WSIS Stocktaking 2024 Global Report

(Zero Draft)

(7 May 2024)
Acknowledgements

The content for this document was coordinated and shaped by Vladimir Stankovic, Program Officer, ITU, and Gitanjali Sah, Strategy and Policy Coordinator, ITU.

In addition, the report benefited from the contributions and insights of ITU staff: Dahyun Chung, Zixian Han, Ana Zambrano, Zheting Liu, Ambre Jegu, Hongda Yu, Polina Sokolova, Tongjun Dong, Timothy Inkoom, and Olga Giannaki.

The WSIS team would like to acknowledge the tremendous contributions from governments, international organizations, the private sector, civil society, and other stakeholders in providing information on ongoing projects and initiatives to the WSIS Stocktaking Platform.

Disclaimer

The information contained in this publication is provided by the multiple stakeholders that contributed to the WSIS Stocktaking process and does not engage ITU. Denominations and classifications employed in this publication do not imply any opinion on the part of the International Telecommunication Union concerning the legal or other status of any territory or any endorsement or acceptance of any boundary. Where the designation “country” appears in this publication, it covers countries and territories. The views expressed in this paper are those of the authors and do not necessarily reflect the opinions of ITU or its membership.
Introduction

The principal role of the WSIS Stocktaking exercise is to leverage the activities of stakeholders working on the implementation of WSIS outcomes and share knowledge and experience of projects by replicating successful models designed to achieve the Sustainable Development Goals (SDGs) of the 2030 Agenda for Sustainable Development.

The WSIS Stocktaking process was initiated in October 2004 during the Tunis phase of WSIS, and in the years since has come to comprise the database of:

- exchanges of information on projects
- sharing of best practices of certain regions
- initiatives related to the implementation of the 11 WSIS action lines
- linkage between the 11 action lines and the SDGs – a linkage that becomes more and more important over the years

The WSIS Stocktaking process provides a register of activities – including projects, programmes, training initiatives, conferences, websites, guidelines, toolkits, etc. – carried out by governments, international organizations, the private sector, civil society, and other entities. To that end, in accordance with paragraph 120 of the Tunis Agenda for the Information Society adopted by WSIS, ITU has been maintaining the WSIS Stocktaking Database as a publicly accessible system providing information on information and communication technology (ICT)-related initiatives and projects with reference to the 11 WSIS action lines (Geneva Plan of Action) and 17 SDGs.

The WSIS Stocktaking Platform, launched in February 2010, transformed the previous static database into a unique portal to highlight ICT-related projects and initiatives in line with WSIS implementation. The platform offers stakeholders exciting and interactive networking opportunities via Web 2.0 applications. Within the framework of the WSIS Stocktaking Platform, all types of stakeholders can benefit from the “global events calendar”, “global repository” and “blog” components. It provides the opportunity for stakeholders to network, create partnerships and add value to projects at the local, national, regional, and international levels.

The redesigned WSIS Stocktaking Platform was launched at the end of October 2015, introducing a more interactive interface with several innovative aspects that will be more appealing to users. The new stocktaking platform features a new questionnaire that reflects
the transition from millennium development goals (MDGs) to SDGs, mirroring the impact of freshly submitted ICT projects on SDGs. With the year-round ongoing call for updates and new entries, all stakeholders are invited to continue sharing best practices on the WSIS Stocktaking Platform and emphasize how ICT-related initiatives and projects are enabling SDGs.

The direct linkages between the WSIS action lines and the SDGs set out below are crucial to continuing to strengthen the impact of ICTs for sustainable development. Each United Nations action line facilitator has analyzed the connections and relations between their respective action lines and the proposed SDGs and their targets to create a clear and direct linkage and an explicit connection between the key aim of WSIS – harnessing the potential of ICTs to promote and realize the SDGs – and the post-2015 development agenda, to contribute to the realization of the latter. Most of the projects presented in this Report clearly showcase the linkage between their related action lines and the various SDGs and targets. At the WSIS Forum 2015, the SDG matrix was extremely well received by the WSIS community, offering as it does a better explanation of the potential of ICTs as enablers for sustainable development. A new component was introduced in the WSIS Stocktaking process in the form of reporting ICT success stories to best showcase the possible achievement of SDGs through the implementation of WSIS action line-related projects.

The principal role of the WSIS Stocktaking exercise is to leverage the activities of stakeholders working on the implementation of WSIS outcomes and share knowledge and experience of projects by replicating successful models designed to achieve the SDGs.

The WSIS Action Lines break down into 18 Categories
These include:

1. C1: The role of governments and all stakeholders in the promotion of ICTs for development
2. C2: Information and communication infrastructure
3. C3: Access to knowledge and information
4. C4: Capacity building
5. C5: Building confidence and security in the use of ICTs
6. C6: Enabling environment
7. C7: E-government
8. C7: E-business
The 17 Sustainable Development Goals

These include:

1. Goal 1: End poverty in all its forms everywhere;
2. Goal 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture;
3. Goal 3: Ensure healthy lives and promote well-being for all at all ages;
4. Goal 4: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all;
5. Goal 5: Achieve gender equality and empower all women and girls;
6. Goal 6: Ensure availability and sustainable management of water and sanitation for all;
7. Goal 7: Ensure access to affordable, reliable, sustainable and modern energy for all;
8. Goal 8: Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all;
9. Goal 9: Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation;
10. Goal 10. Reduce inequality within and among countries;
11. Goal 11: Make cities and human settlements inclusive, safe, resilient and sustainable;
12. Goal 12: Ensure sustainable consumption and production patterns;
13. Goal 13: Take urgent action to combat climate change and its impacts by regulating emissions and promoting developments in renewable energy;
14. Goal 14: Conserve and sustainably use the oceans, seas and marine resources for sustainable development;
15. Goal 15: Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss;
16. Goal 16: Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels;
17. Goal 17: Strengthen the means of implementation and revitalize the global partnership for sustainable development.
Executive Summary

This year, 1047 ICTs-related projects from around the world were submitted for the Report on the WSIS Stocktaking the WSIS Stakeholder community. The 15th edition of the Report on WSIS Stocktaking set a record of global multi-stakeholder engagement in implementation of WSIS action lines for SDGs.

Since the WSIS Stocktaking process was first established, fourteen editions of Global WSIS Stocktaking reports were prepared; each of them included the latest information on WSIS related activities as contributed by stakeholders. This exercise provided stakeholders with a platform presenting an overall picture of and sharper insight into the latest WSIS activities undertaken toward achieving WSIS goals.

The 2024 edition of the Report on the WSIS Stocktaking is the continuation of the series. This 15th edition reflects around 1049 activities relating to ICTs for development, submitted to the WSIS Stocktaking Platform from 10 October 2023 to 15 February 2024, each one highlighting the efforts deployed by stakeholders involved in the implementation of the SDGs. The Report is based on the multi-stakeholder approach, including input from stakeholders from all over the world responding to ITU’s official call in 2024 for Stocktaking updates and new entries. The inputs from WSIS action line facilitators and cofacilitators also contributed to the present Report. It emphasizes achievements, highlights trend, and draws conclusions consistent with the action lines referenced in the Geneva Plan of Action. The report provides key findings on emerging trends in the development of the information society, and a guide to major activities being implemented by facilitators, cofacilitators, and other stakeholders in the 18 areas covered by the 11 action lines.

The WSIS Stocktaking database (www.wsis.org/stocktaking) was introduced in 2010 and currently has more than 15,000 entries and a growing community more than 300,000 stakeholders. It is a unique global tool for collecting information and regular reporting on ICT-related initiatives and projects, carried out by governments, international organizations, the business sector, civil society, academia, and other entities, in the context of 11 WSIS action lines.

The United Nations Economic and Social Council resolution 2017/21 on “Assessment of the progress made in the implementation of and follow-up to the outcomes of the World Summit on the Information Society” reiterates the importance of sharing best practices at
the global level and, while recognizing excellence in the implementation of the projects and initiatives that further the WSIS goals, encourages all stakeholders to submit ICT related projects and initiatives to the WSIS Stocktaking platform. The same resolution also reiterates the importance of recognizing excellence in the implementation of the projects and initiatives that further the goals of the WSIS process and encourages all stakeholders to nominate their ICT-related projects for the annual WSIS Prizes contest, as an integral part of the WSIS Stocktaking process.

With the year-round ongoing call for updates and new entries, all stakeholders are invited to continue sharing best practices on the WSIS Stocktaking Platform and emphasize how ICT-related initiatives and projects are enabling SDGs.

All WSIS-related publications, including the Reports on the WSIS Stocktaking, are available to download at the ITU Bookshop.
Title: www.islah.city

Entity Name: National Institute of Innovation and Advanced Technology (Niiat)

Description: The www.islah.city project is an innovative digital platform designed to empower citizens by enabling them to report local issues, such as potholes, broken streetlights, and waste management problems, directly to their local authorities. With its user-friendly interface available on both a website and a mobile app, residents can easily pinpoint the exact location of a problem, provide a description, and upload photos. This streamlined communication enhances transparency and efficiency in addressing urban challenges.

Since its inception, www.islah.city has had a significant impact on communities. It has facilitated the resolution of issues, directly improving local infrastructure and public services. The platform has not only made local governments more accountable and responsive but has also fostered a culture of civic responsibility among residents. By offering real-time tracking and updates, it keeps citizens engaged and informed about the progress of their reports.

Website: https://www.islah.city/

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

WSIS Action Lines: 1, 3, GOV, ENV, 10

SDGs: SDG9, SDG11, SDG12, SDG16, SDG17

Stakeholder Type: Civil Society

Country, Region: Morocco, Africa
Title: Malaysia Urban Observatory (MUO)

Entity Name: Federal Department Town and Country Planning (PLANMalaysia)

Description: The Malaysian Urban Observatory (MUO), initiated in 2021 and slated for completion in 2025, is an advanced system that integrates big data analytics and geospatial processes to address urbanization challenges and drive smart city initiatives. The MUO beta version, launched on January 31, 2024, facilitates data sharing through strategic partnerships with over 30 government agencies, including local governments in Malaysia. Boasting 10 modules and 72 sub-modules, the system is designed to be modular, interoperable, scalable, and integrated, enabling comprehensive analytics from descriptive to predictive outputs.

MUO's benefits extend to partners and users, providing seamless access to data and analytical outputs tailored for agency usage. With its modular and interoperable design, MUO collaborates on projects with ministerial and local governments. Examples include targeted data analytics for Affordable Housing issues in Johor, Smart City Profiles, and Livability Index projects for the Ministry of Housing and Local Government. MUO platforms are actively engages in the development of various projects addressing specific analytical needs, such as SDGs monitoring for Local Authorities. This collaborative effort exemplifies a forward-looking approach to addressing urban challenges through extensive data utilization and strategic partnerships.
Title: Integrated and Sustainable Amazonian Program (PAIS)

Entity Name: National Telecommunication Agency (ANATEL)

Description: The Project is made up of eight infoways, with the objective of offering an infrastructure capable of bringing high capacity and quality connectivity and providing access to public policies in telecommunications, education, research, health, defense, and the judiciary to the Amazon region.

The Project foresees the launch of approximately 12,500 km of underwater optical cables, interconnecting 69 municipalities with a population of more than 8 million inhabitants. The benefits of bringing connectivity to a region largely devoid of it are incalculable. This precious connectivity tool will allow the promotion of sustainable development, which values the riches that the biome can generate, in addition to providing advances in the supply and access of services in the areas of health, education, security, etc.

In each municipality interconnected by infoways, a metropolitan optical network must be implemented to serve: 10 (ten) urban public schools; Hospitals; The headquarters of the
Forum; Armed Forces Organizations located in urban areas; and A public square with Wi-Fi.


**Target Beneficiary Groups:** N/A

**WSIS Action Lines:** 1

**SDGs:** SDG3, SDG7, SDG9, SDG11, SDG12, SDG13, SDG14, SDG15, SDG16

**Stakeholder Type:** Government

**Country, Region:** Brazil, Latin America and the Caribbean

---

**Title:** Civil Servant Process Digitalization

**Entity Name:** General personnel council (GPC)

**Description:** Project goal is to convert all civil servant processes and procedures to be executed through digital systems and platforms

- Improve governance: Make our processes accessible to citizens with disabilities by adding digital accessibility tools
- Establish proactive procedures: Enhance data analysis by creating a more accurate database and providing indicators to help decision makers make informed...
decisions based on data. To provide easy telework with all required security platforms anywhere, anytime.
- Convert to green processes with paperless systems
- Implement the systems in all civil servant organizations (86) in Palestine

In collaboration with its partners and stockholders, GPC, which is responsible for the implementation of the civil servant law in all Palestinian organizations (86), has reached the desired result. We devolved and implemented the following systems across 86 organizations (E-archive system, HRMIS system, E-recruitment system, E-exam system).

As the result of the systems Work performance has improved, there is no longer any margin for error in transactions, and the system has enabled all stakeholders to follow up on the progress of procedures. GPC implemented telework easily during Citizen with disability can access to our systems, easily to provide reports and statistics.

**Website:** www.gpc.gov.ps

**Target Beneficiary Groups:** N/A

**WSIS Action Lines:** 1, GOV, EMP

**SDGs:** SDG16

**Stakeholder Type:** Government

**Country, Region:** Palestine, Western Europe and North America

**Title:** Inequality and its Impact on Access to Information Technologies

**Entity Name:** Federal Telecommunications Institute (IFT)

**Description:** “Inequality and its Impact on Access to Information Technologies” is a study that aims to estimate the size of the impact that access to mobile terminals and computers, mobile service coverage and fixed internet service has, in relation to the development of the country, particularly in two of its components: the Marginalization Index and the Gini coefficient. The purpose of this is to know the relationship between these components and, based on this, to generate inputs to design and execute public policies aimed at promoting the affordability of ICTs and telecommunication services with equal
opportunities for the entire Mexican population, with special attention to the most marginalized and remote areas.

As part of the results obtained in the study with the econometric model developed, as the Marginalization Index improves, there is greater availability of access to telecommunications terminals and services in households. Also, when comparing the indicators of access and economic inequality, it was found that the states with the highest degrees of access are those with the highest percentages of income inequality. The entity with the lowest access to ICTs and the greatest economic inequality is Chiapas, while the highest is Mexico City.

Website: https://www.ift.org.mx/sites/default/files/contenidogeneral/usuarios-y-audiencias/desigualdadysuimpactov250523.pdf

Target Beneficiary Groups: RURL

WSIS Action Lines: 1, 2

SDGs: SDG9, SDG10

Stakeholder Type: Government

Country, Region: Mexico, Latin America and the Caribbean

Title: YURT BİLGİ SİSTEMİ (YBS)

Entity Name: GENÇLİK VE SPOR BAKANLIĞI (GSB)
Description: It is to regulate the administration of dormitories operated by the Ministry in order to facilitate the education of higher education students and the procedures and principles of accommodation. Approximately 480 thousand applications were received for this year. In order to ensure fair dormitory placement for the applicants, verification and evaluation of the data required in the items in the evaluation criteria were made through instant online systems from 12 stakeholder public institutions. In the system, the situations where students are asked for documents have been minimized. Dormitory fee collection transactions of approximately 825 thousand students staying in our dormitories are completely electronic. In this way, students were enabled to make payments electronically. In our dormitories, the control of student entrances and exits and the use of breakfast and dinner are carried out with the fingerprint system and its use is managed in a centralized structure. While the waiting time of our students in the lunch lines was minimized, entry and exit and nutrition aid reports were obtained retrospectively through the central system. The security of the data kept in the central system and the access of unauthorized third parties has been prevented. At the same time, the guest project, which aims to make efficient use of dormitory capacities, ensures that people are accommodated in the appropriate bed. The entry, exit and meal procedures of the students who started to live as guests were also monitored with a fingerprint system. In order to use the capacity in dormitories efficiently for the summer period, as of July 15, 2022, young people between the ages of 18-30 have been able to stay in previously determined dormitories through the reservation system by making reservations through the call center and dormitories. 839 dormitories meet the accommodation needs of approximately 1 million students.

Website: https://gsbnet.gsb.gov.tr/

Target Beneficiary Groups: YOUTH

WSIS Action Lines: 1, 2, 4, GOV

SDGs: SDG4, SDG5, SDG8, SDG10

Stakeholder Type: Government

Country, Region: Türkiye (Republic of), Western Europe and North America
Title: Digital Skills for Life (DSL)

Entity Name: Infocomm Media Development Authority (IMDA)

Description: Singapore’s Infocomm Media Development Authority launched the Digital Skills for Life (DSL) framework, which is a set of five baseline competencies to equip Singaporeans with the necessary knowledge, skills and attitudes to navigate the digital space, carry out daily tasks and stay safe online. This framework is part of a Whole-of-Government effort to support Singaporeans of all ages in strengthening their digital literacy skills.

The five baseline competencies are:

1. Set up and use smart devices - Set up and operate the basic hardware and software of mobile devices
2. Explore information online - Search, view and retrieve information online
3. Communicate online - Connect with others online
4. Transact online - Carry out online transactions, including e-payment, with both government agencies and other goods and services providers
5. Be safe, smart and kind online - Safeguard against cyber threats; protect personal information; develop a positive online presence

DSL was newly launched in Jan 2024, but the pilot run that saw 16,000 learners attending DSL training sessions from Jul to Nov 2023 received very positive feedback, with 90% of learners surveyed indicating they were satisfied with the pilot DSL programme and
resources. 96% of learners surveyed also indicated they will apply what they learnt after the lesson.

**Website:** https://www.digitalforlife.gov.sg/Learn/Resources

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, DISB, UNEMP, POOR

**WSIS Action Lines:** 1, 3, 4, 5, 6, GOV

**SDGs:** SDG3, SDG4, SDG11, SDG16

**Stakeholder Type:** Government

**Country, Region:** Singapore, Asia and Pacific

---

**Title:** National Youth Cyber Awareness Program (NYCAP)

**Entity Name:** UAE Cyber Security Council (CSC)

**Description:** The initiative has ignited a digital revolution, transforming families and communities into strongholds of cyber awareness and responsible online behavior. These programs vary between the awareness program of Young Women in Cyber all the way to future looking forward thinking programs like Cyber Next 50.

**Cyber Next 50:**

Looking forward to the next 50 years, the UAE Cyber Security Council foresees a future molded by the advancement of technology and major trends such as AI and climate change. As we step into eras of immersive virtual realities, seamless AI integration, and hyperconnectivity, there is a need for new legal structures and ethical guidelines. While acknowledging the inherent risks, the UAE remains steadfast in its commitment to cyber resilience and human welfare, setting the stage for a digitally secure and prosperous future. This vision is underpinned by elite expertise and a set of shared values, empowering the nation’s youth to lead the journey towards making the UAE the world's premier nation by its centennial celebration.

**Young Women in Cyber:**
50,000+ Strong: The National Youth Cyber Awareness Program has been instrumental in molding a generation adept in digital skills, providing young individuals with a variety of workshops, sessions, and resources. Women Rising: The initiative fostered specialized female cyber cadres, shattering glass ceilings, and paving the way for a diverse array of digital defenders.

National Cyber Defense Day (Train a Nation in a Day):

An innovative educational initiative designed to equip young people with cybersecurity preparedness through a Virtual gamified event in Minecraft Education. It saw widespread involvement across the nation, with participation from over 120,000 students and more than 520 school teachers.

Website: https://csc.gov.ae/

Target Beneficiary Groups: YOUTH, OLDP, WOMN, DISB, UNEMP

WSIS Action Lines: 1, 4

SDGs: SDG4, SDG5, SDG8, SDG10, SDG11

Stakeholder Type: Government

Country, Region: United Arab Emirates, Asia and Pacific

Title: The Essential Role of Technology in Sustainability

Entity Name: Saudi Telecom Company (stc)
Description: This project aims to explore how telecommunications’ technology can help achieve global sustainability development goals (SDGs), such as SDGs cover but are not limited to, (Affordable and clean energy, Industry innovation and infrastructure, Sustainability cities and communities, and Climate Action) by ensuring universal connectivity through the use of environment-friendly, or "green," technologies. By identifying and analyzing projects that may directly or indirectly impact a sustainable environment. And that will allow us to focus on appropriate investment in terms of strategic initiatives and capabilities.

By prioritizing solutions that maximize the economic value, thus creating a positive environmental impact by supporting progressive social development, minimizing carbon emissions, and striving for net-zero impact. In other words, the projects seek to provide a valuable contribution toward a sustainable future. The ultimate outcomes of this study highlight the gained insights that influenced the development of technology strategies within the organization. Moreover, the study empowers tangible decision support in effectively driving sustainable practices and innovation to expand more verticals. To conclude, this work provides a solid foundation for developing and anchoring sustainability strategy and target.


Target Beneficiary Groups: OLDP, INDG, DISB, MIGR

WSIS Action Lines: 1

SDGs: SDG1

Stakeholder Type: Private Sector

Country, Region: Saudi Arabia, Asia and Pacific
Title: Digital Family Card

Entity Name: National Information Technologies JSC

Description: The Digital Family Card (DFC) is an innovative solution that aims to improve the quality of people’s lives by utilizing digital technologies and data-driven decision making. The project was implemented by “National Information Technologies” in partnership with the Ministry of Labor and Social Protection of the Population of the Republic of Kazakhstan and the Ministry of Digital Development, Innovation and Aerospace Industry of the Republic of Kazakhstan.

The DFC is a platform capable of quickly and efficiently collecting, integrating, and processing data on the most vulnerable groups of the population of Kazakhstan. This is achieved through a holistic family well-being assessment that eliminates silos among various government entities. The well-being assessment is based on the indicators sourced from the 80 government databases that include public data on socio-economic, education, health, and housing conditions.

The DFC analyzes vulnerabilities, identifies target populations in need of support, and provides comprehensive public services to vulnerable groups in a proactive manner, i.e. certain services are automatically delivered to an individual/family as a mechanism to prevent the deterioration of their socio-economic condition. This way, the DFC streamlines government efforts to support vulnerable families without the involvement of citizens themselves, even if citizens are not aware what benefits or services they are entitled to.

The implementation of the DFC improves the efficiency of government agencies in providing quality support, increases the transparency and accountability of budgetary spending, and overall ensures equal access to social protection services. It creates a comprehensive, gender-oriented, holistic, and rational system of effective social support for the most vulnerable segments of the population in Kazakhstan, mitigating the consequences of socio-economic shocks in compliance with the UN principle of “leaving no one behind.”


Target Beneficiary Groups: N/A
Title: TASMU Smart Qatar - TASMU Platform

Entity Name: MCIT/TASMU

Description: At its core, the TASMU Central Platform is the orchestrator of Smart Qatar ecosystem. It facilitates effective cross sectorial partnerships and cooperation by providing a centralized space for data sharing, knowledge exchange, and joint decision-making. By breaking down sectorial silos and promoting collaboration amongst government entities and businesses, across Qatar, it fosters a holistic approach to sustainable development.

1. The platform operates as a Platform-as-a-Service (PaaS), offering a secure and governed environment for data collaboration. It includes data marketplace and lab solutions, ensuring the privacy and governance of data while enabling seamless collaboration among public and private organizations. This empowers entities to leverage the power of data and gain meaningful insights for informed decision-making.

2. The TASMU Central Platform provides professional services to support the development of innovative solutions by providing common services that are available for the Innovators.
Through these professional services, stakeholders can leverage cutting-edge technologies and collaborate on the development of data-driven solutions.

3. Furthermore, the platform offers a suite of solutions designed to accelerate entities' entry into the market. These data-based solutions unlock new opportunities, enhance efficiency, and create value.

Overall, the TASMU Platform acts as the backbone Infrastructure, enabling seamless integration between the government entities, bringing together public and private organizations to collaborate, build, and deploy advanced solutions.

The TASMU Platform is a powerful embodiment of Sustainable Development Goal 17: Partnerships for the Goals. It serves as the technology enabler for the TASMU Smart Qatar Program, an initiative by the Ministry of Communication and Information Technology, which aims to foster sustainable and inclusive development in line with Qatar National Vision 2030."

Website: https://tdv.motc.gov.qa/tasmu-smart-qatar

Target Beneficiary Groups: N/A

WSIS Action Lines: 1, 4, 11

SDGs: SDG17

Stakeholder Type: Government

Country, Region: Qatar, Asia and Pacific
Title: CSA - A One Stop Center

Entity Name: Tech & Media Convergency (TMC)

Description: CSA Digital Solution is a one-stop center designed to empower entities of all types, including NGOs, startups, companies, and businesses, with the necessary tools and resources to navigate the complex landscape of statutory regulations in Tanzania. We understand the challenges faced by entities in meeting compliance requirements and addressing their technology needs. With our platform, we aim for sustainability by simplifying these processes and fostering growth and success.

Key Features of CSA Digital Solution

Our Digital Solution offers four (4) core services that cater to the diverse needs of entities such as Startups, NGOs and MSMEs in Tanzania, as listed below;

1. Information Stop: Essential Information of Starting any Entity
2. Compliance Reminders: Monthly Statutory Compliance Reminders of any Entity to avoid penalties
3. Experts Connect: Access to vetted Lawyers, Auditors and Accountants
4. Technology Health Index (THI): Measure the Digital Health of your entity for free

Website: https://www.facebook.com/MediaConvergency

Target Beneficiary Groups: N/A

WSIS Action Lines: 1, 2, 3, 5, GOV, BUS

SDGs: SDG8, SDG12, SDG17

Stakeholder Type: Private Sector

Country, Region: United Republic of Tanzania, Africa
Title: MiTrabajoFuturo

Entity Name: Ministerio de Trabajo y Seguridad Social

Description: MiTrabajoFuturo is a project carried out by the Ministry of Labor and Social Security of Uruguay aimed to develop and blend in a single platform, channels to facilitate citizen’ access to labor market information and tools to make decisions about their jobs, careers and education.

Its goal is to create public value through high quality services and data about occupations, careers and employment that meet citizens’ needs, expectations and preferences in a nearby, integrated and reliable way. Interests are an essential factor when it comes to work performance and engagement. Having this in mind, MiTrabajoFuturo focuses on generating up-to-date data and making them available, helping users to identify occupations and to define their action plans in this field. The platform provides tools to visualize how the user’s interests profile fits an occupation’s competencies profile.

Additionally, it provides citizens with an integrated and unified access to customized information about training options in the skills needed to increase their chances of obtaining a job, changing their current occupation or increasing the probability of being hired in jobs that demand specific skills.

MiTrabajoFuturo is based on a biannual updated database of occupational characteristics and worker requirements information across the Uruguayan economy, collected through ongoing surveys of workers in each occupation. It describes occupations in terms of the knowledge, skills, and abilities required as well as how the work is performed in terms of tasks, work activities, and other descriptors.

Website: https://www.mitrabajofuturo.gub.uy/

Target Beneficiary Groups: UNEMP, POOR

WSIS Action Lines: 1, GOV, EMP, 10

SDGs: SDG1, SDG5, SDG8, SDG10

Stakeholder Type: Government

Country, Region: Uruguay, Latin America and the Caribbean
Title: BAKTI DNA Ecosystem

Entity Name: Badan Aksesibilitas Telekomunikasi dan Informasi Kominfo (BAKTI Kominfo)

Description: BAKTI DNA Ecosystem connects universal service areas through the various infrastructure developments from BTS network, free internet access, and satellites of the Republic of Indonesia. BAKTI optimizes the infrastructure and participates in developing a digital ecosystem to support the acceleration of digital transformation. BAKTI DNA Ecosystem serves as an analytical dashboard that will allow decision-makers, strategic partners, and other digital talents to access full and free information on over 44 digital ecosystem initiatives ranging from job opportunities, training programs, talent matchmaking, and composite indices to monitor the progress of digital infrastructure and solutions in their respective territories.

The objective of the development of BAKTI DNA Ecosystem dashboard is to bridge the digital gap by utilization of ICT infrastructure and creation of digital ecosystems that serve and address the communities’ needs in remote and underdeveloped regions in Indonesia. However, Indonesia’s vast and diverse cultural, economic, and social structures pose a huge challenge since there is no one-size-fits-all solution. As such, BAKTI plays an important role as the ecosystem enabler, catalyst and accelerator that accumulates experiences and lessons learned in developing the most suitable digital ecosystem initiatives for communities in remote and underdeveloped regions. Adopting strategic approach of localized digital ecosystem initiatives based on strategic partnership, BAKTI had implemented 50 digital ecosystem initiatives in four priority sectors.
These four priority sectors consist of: education and literacy digital, tourism, MSMEs, healthcare and e-government. Through these inclusive digital ecosystem activities, a total of approximately 340,000 rural community members become direct beneficiaries and around 3.6 million community members indirectly benefited from the initiatives. BAKTI has served over 6,770 villages across 35 regencies in Indonesia.

**Website:** https://dnaekosistem.baktikominfo.id/

**Target Beneficiary Groups:** N/A

**WSIS Action Lines:** 1, EMP, 11

**SDGs:** SDG4, SDG8, SDG9, SDG10, SDG17

**Stakeholder Type:** Government

**Country, Region:** Indonesia, Asia and Pacific

**Title:** Inclusive Regional Development and Citizen empowerment

**Entity Name:** ICT Agency of Sri Lanka

**Description:** Although several Information Communication Technology (ICT) development initiatives were previously put into place in the regions, they failed to produce the desired outcomes. An additional critical aspect is the absence of a benchmark system to assess
the development and a mechanism to effectively reach and engage individuals at the regional and grassroots levels.

Objectives: The overall objective is to increase digital inclusion and adoption across the country by creating a conducive environment. Specific objectives:

1. Increase the digital literacy of the people in the district.
2. Improve infrastructure facilities in the district.
3. Increase contribution to the ICT workforce from the district.
4. Increase technology diffusion and innovations.
5. Increase startups and freelancers.
6. Provide citizen-friendly and citizen-centric public service within the district.

Approach: To begin with, we initiated the creation of Smart Social Circles (SSC), which are IT clubs established at the village level. These circles aimed to empower individuals by training Knowledge Agents (KAs) who consisted of government officers and knowledgeable individuals from within the village. Additionally, we formed District Digital Transformation Committees (DDTC) by involving all key stakeholders within the district. The objective was to ensure an effective and efficient digital transformation of the entire district, guided by the District Digital Readiness Index (DRI). The DRI serves as a national indicator for prioritizing programs, allocating resources, and monitoring the effectiveness of regional-level digital transformation initiatives.

Website: https://www.facebook.com/SMARTSocialCircleSriLanka

Target Beneficiary Groups: POOR, RURL

WSIS Action Lines: 1, 3, 5, 6

SDGs: SDG1, SDG4, SDG5, SDG8, SDG10

Stakeholder Type: Civil Society

Country, Region: Sri Lanka, Asia and Pacific
Title: Violence Against Women Information System (Red de Información de Violencia contra las Mujeres)

Entity Name: Secretariat of Women of Mexico City

Description: In Mexico City, 46 percent of women (more than 1.7 million women aged above 15 years) have experienced some form of gender-based violence (GBV) in a year, according to an official survey that reports on the situation of violence against women in Mexico generated by the National Institute of Statistics and Geography (INEGI). Additionally, even though femicides have decreased by 26 percent since 2020 in the City, that extreme manifestation of violence against women remains an urgent problem to be addressed and eradicated by innovative and efficient policies.

The Violence Against Women Information System (RIVM, for its Spanish acronym) is a web application created in 2021 to harmonize data collection from administrative registries on GBV by public agencies that provide protection services for women in Mexico City in order to create a single file for victims that traces their violence attention background and to develop a trigger warning system to prevent femicides.

The RIVM provides an easy-to-use platform to register, store, and analyze data from five different Mexico City Government agencies (Secretariat of Citizen Security, Attorney General of Justice, Secretariat of Women, Secretariat of Health, C4, and Digital Agency for Public Innovation). These agencies are responsible for 1) responding to emergency calls to 911; 2) first contact police response to GBV reports; 3) investigating crimes related to GBV, 4) providing psychological, legal, and social services to victims; 5) providing medical services; 6) follow-up calls to assess and monitor femicide risk of each case.

The objective of creating a single file for victims is to avoid revolving doors and revictimization. Adding all the services a victim receives in a single file allows us –as public servers– to get a better understanding of the context and background of each victim. An effective protection of victims, the prevention of femicides, and the restitution of the right to a life without violence to survivors is expected.

Website: https://rivcm.semujeres.cdmx.gob.mx/#

Target Beneficiary Groups: WOMN

WSIS Action Lines: 1, 2, GOV, 10, 11
**Title:** Govdirectory

**Entity Name:** Govdirectory

**Description:** Govdirectory is a crowdsourced and fact checked directory of official governmental online accounts and services. It is meant to be a resource for concerned citizens, activists, journalists and anyone who wants to get in contact with public organizations online. Through Govdirectory, the users can either contact the public organizations on social media or access some of their online services like citizens' initiatives. Users can browse by country and filter the lists at will. Data can also be downloaded in bulk.

**Website:** https://www.govdirectory.org

**Target Beneficiary Groups:** N/A

**WSIS Action Lines:** 1

**SDGs:** SDG16

**Stakeholder Type:** Civil Society
Title: The National Data Bank (NDB) and Estishraf

Entity Name: Saudi Data & AI Authority (SDAIA)

Description: Most government organizations have limited access to the much-needed, high quality cross government data assets and always struggle to discover and get hold of those trusted data assets to generate actionable insights.

To address these pain points, SDAIA has developed two collaborative and integrated arms The National Data Bank (NDB) and Estishraf to advance data and analytics centric platforms and initiatives in Saudi Arabia. The NDB is a national scale data and analytics ecosystem aspiring to achieve following goals:

- Unlocking the full potential of the administrative data
- Contributing sizable non-oil revenue in the GDP of the Kingdom
- Instilling data as a common denominator for the digital economy
- Increasing national productivity, international competitiveness
- Steering ESG/SDGs initiatives for sustainable future
- Realizing positive economic and financial benefits of national policies and decisions
In order to accelerate data literacy, empower self-service data discovery and accessibility, SADIA has developed an innovative and state of the art constellation of the platforms (NDB) encircled by Data standards and policies for robust governance. While Estishraf (which translate to foresight in Arabic) serves as the analytical arm of the National Information Center, empowering government officials and decision-makers to leverage the capabilities of data science for evidence-based decision making.

Furthermore, phenomenal progress has been achieved and now these platforms have become the focal point of the data and insights related activities across government entities with following results:

- National Data Lake: 40 Government agencies +2000 Datasets
- Open Data Portal: +6000 Datasets from 9 sectors
- National Data Marketplace: +200 APIs (more on the way)
- National Data Catalog: +130 large systems, +10 Agencies, + 200 KPI/Metrics, +1500 Business attributes, +1000 Glossaries
- National Reference Data Platform: +300 reference data tables

Website: https://data.gov.sa/en

Target Beneficiary Groups: N/A

WSIS Action Lines: 1, 2, 3, 4

SDGs: SDG3, SDG9, SDG11, SDG16

Stakeholder Type: Government

Country, Region: Saudi Arabia, Asia and Pacific
Title: Uchaguzi

Entity Name: Ushahidi Inc.

Description: Uchaguzi was launched in Kenya in 2010 with objective of promoting transparency, accountability, and citizen engagement during elections. The name "Uchaguzi" means "elections" in Swahili, one of Kenya's official languages. The project aimed to leverage technology and social media to facilitate real-time monitoring of elections and gather data on the electoral process to enhance transparency and fairness. Since 2010, Ushahidi has reconvened Uchaguzi in general elections held in 2013, 2017, and last year.

Reaffirming its utility as a national citizen-focused electoral observation platform, responding to citizen observations, the approach of Uchaguzi involves collaboration between various stakeholders. Citizens are encouraged to actively participate by reporting incidents of electoral malpractices, violence, or any irregularities they observe during the electoral process using familiar channels like WhatsApp, SMS, USSD, and social media platforms like Twitter, Instagram and Facebook.

The impact of Uchaguzi has been significant. This initiative empowers the electorate to actively engage in the electoral process and hold authorities accountable for any wrongdoings by providing citizens with a platform to report and document election-related incidents. The real-time monitoring of elections helps to deter potential electoral misconduct, reducing the likelihood of violence and fraud.

Moreover, the data collected through Uchaguzi provided valuable insights to electoral observers and policymakers, enabling them to make informed decisions and implement necessary improvements to the electoral system. The project also contributes to enhancing the overall credibility and integrity of the electoral process in Kenya.

Overall, Ushahidi's innovative use of technology and citizen engagement has played a vital role in fostering transparency and fairness during elections in Kenya and has served as a model for other countries striving to strengthen their democratic processes.

Website: https://drive.google.com/file/d/1S8nSamJUwgVQCTlwLgwmMErAcK1o-D35/view?usp=sharing

Target Beneficiary Groups: N/A

WSIS Action Lines: 1, 2, 3
**SDGs:** SDG10, SDG16

**Stakeholder Type:** Civil Society

**Country, Region:** Kenya, Africa

---

**Title:** U Matrix system

**Entity Name:** Telecommunication and Digital Government Regulatory Authority (TDRA)

**Description:** Since its inception, the Electronic System implementing the WSIS SDG MATRIX in the UAE has stood as a beacon of digital transformation, aligning seamlessly with the UAE Digital Government Strategy 2025. This strategy, rooted in the principle of leaving no one behind, underscores the UAE’s commitment to inclusive and resilient governance fit for the digital age. The system serves as a prime example of the UAE’s dedication to embedding digital aspects into overall government strategies across eight dimensions: inclusivity, resilience, digital readiness, user-centricity, digital integration, data utilization, transparency, and proactivity.

By cataloging over 500 impactful projects spanning various sectors since 2018, the system embodies the UAE’s proactive approach to achieving the United Nations’ Sustainable Development Goals (SDGs) 2030. Through intuitive dashboard heatmaps and statistical views, decision-makers harness the system’s insights to drive cross-sectoral collaboration and maximize societal benefits, ensuring the provision of integrated, efficient, and user-centric digital services. With strategic KPIs targeting 90% public satisfaction towards digital government services and 100% digitization of services by 2025, the system aligns seamlessly with national strategies and visions, reaffirming the UAE’s position as a global leader in leveraging technology for sustainable development and societal progress.

**Website:** [https://uaematrix.tdra.gov.ae/](https://uaematrix.tdra.gov.ae/)

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, RURL
WSIS Action Lines: 1, 2, 3, 4, 5, 6, GOV, BUS, LEA, HEA, EMP, ENV, AGR, SCI, 8, 9, 10, 11
SDGs: SDG1, SDG2, SDG3, SDG4, SDG5, SDG6, SDG7, SDG8, SDG9, SDG10, SDG11, SDG12, SDG13, SDG14, SDG15, SDG16, SDG17
Stakeholder Type: Government
Country, Region: United Arab Emirates, Asia and Pacific

WSIS Action Line C2.
Information and communication Infrastructure

Title: Community networks in Haiti (CN Haiti)
Entity Name: Internet Society Haiti Chapter (ISOC Haiti)
Description: During the last five years ISOC Haiti has been involved in the development of both theoretical and technical capacity in the field of community networks. Nearly a hundred resources have been trained in the technical deployment as well as the management of community networks. In addition, our organization has benefited from a
Large Grant which has enabled us to carry out a national survey on the satisfaction of Internet service users. This initiative, supported by the ISOC foundation, has enabled us to identify locations, especially in rural areas, with no coverage or access to a very poor quality of service. The objective of this project will be to contribute to reducing the digital divide by deploying sustainable community networks in the rural areas that need them most.

**Website:** https://www.isocfoundation.org/2023/10/empowering-haiti-how-the-internet-is-improving-lives-in-communities/

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, DISB, UNEMP, POOR, RURL

**WSIS Action Lines:** 1, 2, 3, BUS, LEA, SCI, 9

**SDGs:** SDG4, SDG8, SDG9, SDG17

**Stakeholder Type:** Civil Society

**Country, Region:** Haiti, Latin America and the Caribbean

---

**Title:** Orbtronics Educational Programs

**Entity Name:** Orbtronics

**Description:** Orbtronics Educational Programs consists of a programming course using python, a robotics course using Vex Robotics kits and digital literacy programs. These programs seek to teach persons from underserved communities the critical skills they need to survive and thrive in the new digital world. We focus on teaching foundational
technology skills across a range of topics like programming, robotics, website design, ecommerce tools, graphic design, AI and the future of work, cybersecurity and many other topics we believe are applicable to academic, professional development and entrepreneurship. Orbtronics also ensures persons has an equal opportunity and access to learning at our programs.

Orbtronics aims to see a more digitally literate and technology driven society with the aim of improving the STEM education of 1 million persons from underserved communities. Orbtronics partners with governments and large organizations through funding and corporate social responsibility brand deals to ensure that the programs are free to participants and are sustainable. Orbtronics also partners with educators in other countries and regions giving them our educational and operational framework so that they can replicate the program in their country.

Although very new Orbtronics educational initiatives have impacted the lives of 343 students across 5 countries in the Eastern Caribbean. After the programs we have seen students go on to start businesses, attend short certificate programs and gain employment or internships. Orbtronics has also recently began a partnership with education facilitators in Indonesia to bring the Orbtronics Digital Literacy Program Framework to their region, this effort hopes to allow Orbtronics to truly start having a global impact.

**Website:** https://www.orbtronics.co/education/

**Target Beneficiary Groups:** YOUTH, WOMN, INDG, UNEMP, RURL

**WSIS Action Lines:** 2, 3, LEA

**SDGs:** SDG4, SDG5, SDG8, SDG10

**Stakeholder Type:** Private Sector

**Country, Region:** Saint Lucia, Latin America and the Caribbean
Title: Empowering Disaster Response in Northern Mindanao through the use of Local Radio Networks (DICT 10-RDN)

Entity Name: Department of Information and Communications Technology - Region 10 (DICT 10)

Description: When disaster strikes, clear communication becomes a lifeline. Recognizing this critical need, Northern Mindanao’s Department of Information and Communications Technology (DICT) established the Regional Disaster Network (RDN) in 2022. RDN leverages an unexpected hero: VHF/HF radio technology.

While modern communication tools are valuable, they crumble under disaster's pressure. RDN bypasses this vulnerability with VHF/HF radios, independent of fragile infrastructure like the internet. These robust systems remain operational even when traditional networks fail, ensuring vital communication channels for DICT offices, relay stations, and disaster management units.

VHF/HF radios boast another advantage: unparalleled reach. Their waves travel far, bridging communication gaps in remote areas often inaccessible to conventional technologies. This ensures information flows uninterrupted even in the furthest corners of the region.
During the Malitbog landslide and Misamis Occidental shearline incidents, the network facilitated rapid information exchange, leading to swift and coordinated rescue efforts. Lives were saved, property protected, and communities empowered to navigate the crisis with improved information and coordination.

RDN’s influence extends beyond immediate response. Its proactive approach of utilizing VHF/HF technology and redundancy in communication infrastructure, equips communities with the tools and knowledge needed to become active participants in their own safety and preparedness.

Website: None

Target Beneficiary Groups: YOUTH, WOMN, INDG, POOR, RURL

WSIS Action Lines: 2, 3

SDGs: SDG9, SDG11, SDG12

Stakeholder Type: Government

Country, Region: Philippines, Asia and Pacific

Title: KaiOS - Affordable phones for closing the digital and financial divide (KaiOS enable tomorrow)

Entity Name: KaiOS Technologies (Kai)
Description: Today with 2.6 billion people remain offline globally accelerating digital and financial inclusion is more than ever a priority. While a lot of progress has been made on the telecommunication infrastructure side to increase coverage and quality of services globally (more than 95% of the world population lives now within reach of a 3G or 4G network), affordability of internet services and products is becoming the main challenge to close the digital and financial divide.

Kai has created an innovative solution to accelerate the digitization of unconnected population in developing countries, by removing the affordability barrier that is keeping billions offline, through its light and affordable mobile technology.

In the past 7 years, KaiOS connected 175 million people to the Internet, mostly in India with its partner Jio.

KaiOS is now focusing its efforts on digitizing both the people and the informal economy across the African continent;

- People: device financing program to decrease retail price of the internet phones (pilot release in January 24 in South-Africa)
- People: through partnership with Worldreader one million KaiOS users had access to rich digital library
- People: after a successful pilot with 300 farmers in Tanzania, with Justdiggit and their Regreen agriculture application we are preparing to deploy at scale across 3 countries in Tanzania, South-Africa & DRC. The Regreen app provides tools to educate farmers on regreening and sustainable land management
- Informal economy: deployment of payment acceptance capacity on KaiOS affordable internet phones (pilot in Ivory Coast in Feb 24)

Website: https://www.kaiostech.com/company/our-story/

Target Beneficiary Groups: YOUTH, WOMN, POOR, RURL

WSIS Action Lines: 2, 3, BUS, AGR

SDGs: SDG1, SDG2, SDG4, SDG5, SDG8

Stakeholder Type: Private Sector

Country, Region: Singapore, Asia and Pacific
Title: Connectivity for All (CFA)

Entity Name: Government of the State of Campeche (CAM)

Description: "Connectivity for All" (CFA) is an infrastructure project that aims to ensure that the entire population of the state of Campeche is included in the benefits of the digital economy. The project includes two connectivity services to cover 300 localities where 92% of the population lives. (1) Installing a dorsal fiber optic network consisting of 922 km and (2) a Remote Connectivity System covering rural localities with satellite broadband.

The "Connectivity for All" project ensures that every student has access to broadband internet, regardless of their geographic location or social status. It also connects hospitals in urban and rural areas and wirelessly connects mobile units that serve citizens in poor and remote regions, guaranteeing connectivity and free internet access so that all government services and social programs can be delivered online.

The CFA aims to establish the State of Campeche as a national and global leader in providing top-quality governmental services, technological resources, and digitalization
initiatives. By doing so, the state can be recognized for providing access to the knowledge economy, positioning Campeche as a hub of regional innovation and progress.

CFA is significantly impacting the population; its infrastructure for Information Technologies is helping provide better government services, education, and personal development opportunities, contributing to equality. This is not just an economic impact by reducing spending on telecommunications services, but also an important social impact that ensures internet access to 92% of the population, reducing the digital divide, and an environmental impact as it significantly reduces land travel due to the digitization of public administration and services.

The CFA project is an excellent example of how strategic public-private collaboration can accelerate the process of inclusion and equality. It provides better tools to face future technological changes and makes a positive difference in the lives of people in Campeche.

**Website:** https://connectivityforall.campeche.gob.mx

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

**WSIS Action Lines:** 1, 2, 3, 4, 8, 10

**SDGs:** SDG4, SDG5, SDG8, SDG9, SDG10, SDG16

**Stakeholder Type:** Government

**Country, Region:** Mexico, Latin America and the Caribbean

**Title:** Speed Sign with IoT Radar Sensor (SSR)

**Entity Name:** Telecommunication and Digital Government Regulatory Authority (TDRA)

**Description:** The Speed Sign with IoT Radar Sensor (SSR) is an innovative project developed by the Malaysian Public Works Department (PWD) in collaboration with a local technology company, Vectolabs Technologies Sdn. Bhd, and a public university, Universiti Teknologi Mara (UiTM). Leveraging technologies such as the Internet of Things (IoT), Big Data Analytics and radar technology, SSR aims to enhance public awareness of road safety
and facilitate the collection of traffic data for in-depth analysis of current road conditions. The radar's algorithm detects actual speed, vehicle types, and counting of vehicles, with data accessible through a web page and mobile application.

Based on WHO statistics covering 183 countries, Malaysia is ranked 57th in terms of road accident cases, placing it behind countries such as Vietnam, North Korea, Sudan, and various African nations. Acknowledging the World Health Organization's (WHO) findings that vehicle speed contributes to approximately 50% of road accidents, SSR addresses this concern by displaying actual vehicle speed on an LED Display. If the speed exceeds the permissible limit, the display prompts motorists with a "Slow Down" sign, promoting safer driving practices. As of now, SSRs have been installed at seven locations throughout the peninsula of Malaysia. SSR's data collection in Kuala Lipis, Pahang, Malaysia, has proven valuable in providing information on traffic conditions for alternative routes during festive seasons, enabling motorists to plan their journeys more effectively. SSR does not only aim in reducing accidents due to speeding but also in providing valuable information in terms of traffic analysis. For example, data collection in Kuala Lipis, Pahang has been used by other public authority such as police and Ministry of Transport.

**Website:** [https://jkrradar.vectolabs.com/#/login](https://jkrradar.vectolabs.com/#/login)

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, MIGR, RURL

**WSIS Action Lines:** 1, 2, 4, GOV, HEA, ENV, SCI, 8, 10

**SDGs:** SDG3, SDG9, SDG11, SDG17

**Stakeholder Type:** Government

**Country, Region:** Malaysia, Asia and Pacific
Title: Upgrading Global System for Mobile Communications (GSM) 2G Sites to 4G (2G Upgrade)

Entity Name: Eswatini Communications Commission (ESCCOM)

Description: The project of upgrading Global System for Mobile Communications (GSM) 2G Sites to 4G aims to empower the people of Eswatini with improved connectivity and access to high-speed internet services. Here is a breakdown of the project objectives:

Strengthening Infrastructure: The UASF is committed to enhancing the mobile network infrastructure to ensure its robustness, reliability, and ability to cater to the growing demand for digital services.

Expanding Coverage: The project seeks to expand the network’s reach, especially in rural and underserved areas, by upgrading existing 2G sites to 4G/LTE technology.

Website: https://uasf.esccom.org.sz/programmes/connectivity-programmes/

Target Beneficiary Groups: RURL

WSIS Action Lines: 2, 3, BUS

SDGs: SDG1, SDG9

Stakeholder Type: Government

Country, Region: Kingdom of Eswatini, Africa
Title: China Mobile Low-carbon High-efficiency 400G Backbone All-optical Transportation Network

Entity Name: China Mobile Communications Corporation Group Co., Ltd

Description: The core goal of China Mobile's digitalization is to achieve digital innovation and enhance digital operational capabilities. Firstly, digital innovation includes product innovation, service innovation, business model innovation, and other aspects. Through digital means, China Mobile can provide users with higher quality and personalized services, while also developing more competitive products. Secondly, digital operational capability refers to the ability to improve management efficiency, reduce costs, and enhance service quality through digital means. For example, through digital means, China Mobile can achieve automated and intelligent customer service, improve service efficiency, and reduce labor costs.

At the same time, China Mobile proposed to upgrade the "Green Action Plan" to the "C2 Three Energy - China Mobile Carbon Peak and Carbon Neutrality Action Plan" and build a new green development model of "Three Energy and Six Green". The "Three Energy" is the main line of action, which includes deepening technological innovation to achieve self "energy conservation", integrating into the overall national energy transformation to achieve "clean energy" electricity consumption, and promoting the application of information technology to "empower" economic and social emissions reduction and carbon reduction; The "Six Greens" refer to six paths, including green networks, green energy use, green supply chains, green office, green empowerment, and green culture.

The 400G ultra high energy efficiency solution for China Mobile's trunk network has achieved the goal of digitalization and energy conservation and emission reduction capabilities through multi-level collaboration of hardware, network elements, and networks. At the hardware level, promote the development of energy-saving technologies in materials, processes, design, and devices, and support the needs of equipment consumption reduction and efficient heat dissipation.

Website: http://www.10086.cn

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, RURL

WSIS Action Lines: 2
**SDGs:** SDG3, SDG9, SDG11, SDG12, SDG13

**Stakeholder Type:** Civil Society

**Country, Region:** China, Asia and Pacific

---

**Title:** Government Cloud

**Entity Name:** AzInTelecom

**Description:** "AzInTelecom" is the provider of the Government cloud project. The project aligns with the country’s telecommunications and IT development roadmap, focusing on reducing public administration costs and enhancing coordination among government agencies.

Over 100 state institutions have successfully transitioned either fully or partially to the Government Cloud. The cloud services are efficiently delivered through two Data Centers located in Baku and Yevlakh. By deploying modern cloud technology, the initiative optimizes IT infrastructure management, adhering to global standards and certifications such as TIER III, ISO-20000, and ISO 27001. To further facilitate the seamless migration of all government institutions to the Government Cloud, the initiative to commission two additional Data Centers is underway. The conceptualization of these new Data Centers has been meticulously developed in collaboration with an international supplier company. Presently, the detailed design phase for these Data Centers is actively progressing.

Key advantages include significant cost reductions in IT infrastructure for government bodies, efficient resource management through a self-service platform, and enhanced security measures. Joint efforts with the Special Communication and Information Security
State Service reinforce physical and cybersecurity, ensuring comprehensive protection of the Government Cloud infrastructure.

In summary, the Government Cloud aims to centralize and optimize government information systems, resulting in cost savings, improved resource management, and increased cybersecurity for enhanced public administration in Azerbaijan.

**Website:** https://azintelecom.az/en/key-activities/azcloud/azcloud-government-solutions/

**Target Beneficiary Groups:** N/A

**WSIS Action Lines:** 2

**SDGs:** SDG9, SDG17

**Stakeholder Type:** Government

**Country, Region:** Azerbaijan, Eastern Europe

---

**Title:** Hakila-Dispositif Senegal (HDS)

**Entity Name:** Hakila Senegal (HS)

**Description:** HAKILA which means caution is a vehicle anti-collision device that helps the driver to be careful. In fact, it is made up of sensors and visual and audible signals. When installed in a car, the device detects an obstacle located at a distance D (the distance D varies with speed) and sends the signal to the driver that he is close to the obstacle, so he must slow down, brake or even stop. HAKILA is a device that helps the driver avoid obstacles and alerts them in the event of imminent danger.
The device is accompanied by an anti-sleep helmet because many accidents are also linked to drivers falling asleep at the wheel. Added to this is an application which will be linked to the HAKILA device in order to collect data which will be transmitted to the authorities during accidents. This data will record the driver's journey, in short like a black box on the one hand and on the other hand via the application, in the case of Westerners, the application will send an SOS message to a member of the lul family indicating the exact route location of the accident using GPS and will also send an SOS to the nearest police or gendarmerie.

**Website:** https://www.linkedin.com/company/hakila/

**Target Beneficiary Groups:** YOUTH, INDG, UNEMP, RURL

**WSIS Action Lines:** 1, 2, 4, 5, 6, GOV, ENV, 11

**SDGs:** SDG3, SDG9, SDG10, SDG11, SDG16, SDG17

**Stakeholder Type:** Private Sector

**Country, Region:** Senegal, Africa
Title: Ghana Rural Telephony and Digital Inclusion Project (GRT&DIP)

Entity Name: Ghana Investment Fund for Electronic Communications (GIFEC)

Description: GRT&DIP is an initiative by the Government of Ghana, under the aegis of the Ministry of Communications and Digitalisation, with GIFEC as the implementing partner. The main objective of this project is to extend coverage of mobile telephony services to unserved and underserved communities in Ghana, where network providers have proven unwilling or unable to expand their networks due to commercial or other constraints. Specifically, it seeks to bridge the digital divide, promote socio-economic development, and empower deprived/marginalized rural communities by providing them with reliable and affordable access to telecommunication services and digital technologies. To ensure the broad objective of providing connectivity to the unconnected communities more sustainably, GIFEC has designed the GRT&DIP Model into revenue-share model that requires some commitments and contribution of all parties involved instead of being the responsibility of a single entity.

The Model enables MNOs to implement network solutions without or with a reduced large upfront CAPEX investment.

It allows MNOs to concentrate on their core business affords them the following benefits in respect to the acquisition of rural telecom business.

1. Off-balance sheet financing
2. Faster Time-to-Market
3. Risk sharing
4. Align costs with benefits
5. Improve cash flow and liquidity
6. Expand network coverage and increase subscriber base.

The Ghana Rural Telephony and Digital Inclusion project has had a significant impact since its inception, with the construction and integration of 1008 sites across the country. By providing connectivity and digital access, the project has empowered individuals, enhanced education, stimulated economic growth, and fostered social development. It represents a significant step towards reducing the digital divide and ensuring equitable access to opportunities for all Ghanaians.

Website: https://gifec.gov.gh/rural-connectivity-programme/

Target Beneficiary Groups: RURL
Title: Leveraging satellite technology to empower rural communities in Niger

Entity Name: Telecommunication and Digital Government Regulatory Authority (TDRA)

Description: Leveraging its 60-year experience, Intelsat has transformed the life of villagers in Niger by enabling a much-needed broadband connectivity access. Overcoming challenges associated with rural areas, the solution based on satellite internet service combined with Wi-Fi access has enabled to deliver an always-on quality service that has empowered communities, transforming their villages into Smart Villages. The solution has been deployed in ten villages, where there was no existing communications infrastructure.

Developed with Niger’s specificities in mind, the solution combines Intelsat’s VSAT (very small aperture terminal) satellite services with Wi-Fi access points and a Cloud based user management service, delivering a turn-key public Wi-Fi access service in the remote
villages. The addition of a content caching and management platform extends the service and creates a cost-effective multi-user environment. The satellite capacity allocated to the sites is managed as a pool of capacity, allowing for the most efficient use since resources will be allocated where needed most.

To respond optimally to Niger’s needs, Intelsat has been working closely with ANSI, the country’s national agency for the information society. The project started with the selection of ten villages, one per main region, based on the assessed impact of the project on villagers and taking into account the minimum power and security requirements for VSAT and Wi-Fi equipment. ANSI’s perfect understanding of the villages’ requirements has enabled Intelsat to define a solution with optimal technical specifications to help transform them into Smart Villages. The success of the project also relied on the involvement of the local communities during the deployment.

The satellite-enabled improved Internet access has led to the expansion of crucial priority digital services and the introduction of new technologies will continue to ensure connectivity access to all, with better customized services responding to different needs.

Website: https://www.linkedin.com/feed/update/urn:li:activity:7062063917828554752

Target Beneficiary Groups: RURL

WSIS Action Lines: 2, 3, 4

SDGs: SDG3, SDG4, SDG8, SDG10

Stakeholder Type: Private Sector

Country, Region: Mali, Africa

Title: Tana River Climate Change & Livelihoods Restoration Project (T-CLIRP)

Entity Name: Ushahidi Inc.
Description: World Vision Kenya (WVK) implemented the Tana River Climate Change & Livelihoods Restoration Project (T-CLIRP), which sought to build the resilience of women and youth as the direct beneficiaries to better adapt to climate change in Garsen North and Kipini East Wards, Tana River County. The project interventions included the rehabilitation of communal rangelands, the Farmer Managed Natural Regeneration (FMNR), re-greening efforts through school environmental clubs, renewable and clean energy solutions, and entrepreneurial and financial literacy skills.

One of the longer-term aims of the T-CLIRP project is to empower communities to voice their concerns about climate change and pressures on natural resources. In addition to traditional Community Voice and Action training, WVK partnered with Ushahidi to use our innovative, evidence-based approach to community empowerment. The Ushahidi mobile platform used geo-tagged data to create crowdsourced maps of community feedback, generating location-specific evidence of requests and feedback on natural resource management activities and support.

Key lessons were using a secure integrated platform that enables privacy-conscious data processing and geo-tagged feedback ‘maps’ that provided integrity for data-driven decision-making. Both are enabled through the use of the Ushahidi Platform.

Going forward, by leveraging the expertise and resource of implementing partners, they have been able to make use of their innovative, efficient and effective technology and project practices and showcase the various ways mobile technology can help build climate resilience. WVK are also now more prepared and informed to continue to seek, co-create and apply digital solutions to their operations, and thanks to the capacity and relationships already built with Ushahidi, the scaleup and replication of similar solutions in new areas or projects will be more straight forward.

Website: https://www.ushahidi.com/in-action/tana-river-climate-change-livelihoods-restoration-project-t-clirp/

Target Beneficiary Groups: YOUTH, WOMN, RURL

WSIS Action Lines: 1, 2, 10, 11

SDGs: SDG13

Stakeholder Type: Civil Society

Country, Region: Kenya, Africa
Title: Management of Road Interventions (GIV)

Entity Name: Sonelgaz (Sonelgaz)

Description: The "GIV" which stands for "Gestion des interventions sur la voirie" meaning the management of underground work, aims to revolutionize excavation and construction planning in Algeria's departments by providing users with an online geographical platform that offers the visibility of all the past, ongoing and new requests for underground projects proposed by different companies in a specific region in the country, thereby they can mitigate the risk of accidental damage to buried infrastructure and enhance safety.

The project has successfully developed an interactive map interface, a robust underground work database, and a notification system to alert users of potential risks and regulatory requirements. As a result, GIV has empowered homeowners, contractors, and government agencies to make informed decisions, avoid costly delays and repairs, and ensure compliance with local regulations.

The project's impact is evident in its contribution to safer excavation practices, reduced utility disruptions, and overall efficiency gains in construction projects across the country department. GIV exemplifies the transformative potential of technology in improving infrastructure management and promoting sustainable development.

Website: https://www.siggiv.dz

Target Beneficiary Groups: N/A

WSIS Action Lines: 2, GOV, ENV

SDGs: SDG9, SDG11

Stakeholder Type: Government
Title: Log-In Georgia (LIG)

Entity Name: Open Net (ON)

Description: Project supports activities that will increase access to and promote the use of digital services across Georgia, with a focus on rural areas. The Project will also support cross-cutting improvements in the enabling environment—supporting reforms to expand broadband connectivity and to strengthen the policy and legal framework for the digital economy—to realize those outcomes. Project consists of following components.

Component 1: Increasing access to broadband. This component supports construction and activation of high-capacity middle-mile, backhaul networks under the State Internetisation Program that will bring high quality, high-capacity services to selected rural settlements. SPs will then invest to expand their networks to provide services on commercial terms through their own last-mile infrastructures, to the settlements’ households, enterprises, and organizations. At the same time, this component will support the improvement of Georgia’s enabling environment for digital connectivity development in accordance with the NBDS, including through the (i) development of the legal and policy framework and support to institutional coordination, (ii) development of
the regulatory framework, (iii) deployment of mechanisms to support broadband cost reduction, and (iv) measures to attract investment.

Component 2: Promoting the use of broadband-enabled digital services. This Component will support the development of Georgia’s digital economy. It will support improvement of the enabling environment for the digital economy beyond connectivity, promote digital use-cases of broadband, and address barriers to the participation of individuals in the digital economy. At the same time, this component will finance targeted interventions to boost the use of the Internet and digital services by women, social minorities, and persons with disabilities in selected settlements. Participatory planning will help identify vulnerable groups and define how their needs can be met and mobilize communities to support the plans.

**Website:** www.opennet.ge

**Target Beneficiary Groups:** WOMN, DISB, RURL

**WSIS Action Lines:** 2, 3, 6

**SDGs:** SDG5, SDG8, SDG10

**Stakeholder Type:** Government

**Country, Region:** Georgia, Eastern Europe
Title: RURAL TELECOMMUNICATION PROJECT IN ZANZIBAR (BSZPH7)

Entity Name: UNIVERSAL COMMUNICATIONS SERVICE ACCESS FUND (UCSAF)

Description: The Rural Telecommunication Project in Zanzibar, a collaboration between UCSAF and stakeholders, successfully addressed communication challenges by identifying 42 areas in 38 wards for Government intervention. Zantel/MIC, as the single-source service provider, received a subsidy of TZS 164,350,000 (equivalent to USD 65,000) per site, totaling TZS 6,902,700,000. By December 31, 2022, all 42 towers were operational and inaugurated on October 26, 2022, by President of Zanzibar, Dr. Hussein Ali Hassan Mwinyi. 211,601 people have benefited from this project.

Despite requiring various permits, the project’s implementation status showcased efficiency by meeting the contract schedule. The collaboration between UCSAF, Zantel, and government officials, including Hon. Nape M. Nnauye (MP), Minister for Information, Communication and Information Technology and Hon. Dkt. Hussein Ali Hassan Mwinyi, The President of the Revolutionary Government of Zanzibar facilitated timely permit provision. Benefiting from 2G/3G/4G technologies, the project profoundly impacted Zanzibar which is a tourist destination, promoting communication, financial inclusion, and high-speed internet access. Early completion was attributed to strong government support, political buy-in, and economic viability.

In conclusion, the Rural Telecommunication Project exemplifies successful collaboration, addressing communication challenges and contributing significantly to Zanzibar’s economic growth. The project stands as a beacon of successful development initiatives and sets a precedent for similar endeavors.

Website: https://www.ucsf.go.tz/

Target Beneficiary Groups: RURL

WSIS Action Lines: 1, 2

SDGs: SDG9, SDG11

Stakeholder Type: Government

Country, Region: United Republic of Tanzania, Africa
Title: Leveraging ICT for Inclusive Healthcare Delivery in Isolated Island Communities of Palawan

Entity Name: Department of Information and Communications Technology - MIMAROPA Region (DICT MIMAROPA)

Description: As an archipelagic province scattered across 1,768 islands, Palawan faces a daunting task in providing healthcare to its geographically dispersed communities. This challenge intensifies in the 180 Geographically Isolated and Disadvantaged Areas (GIDA), such as the island cluster of Busuanga, Coron, Culion, and Linapacan (BusCoCuLin). Here, a mere 6 general practitioner doctors serve a population exceeding 66,000, significantly below the World Health Organization's recommended 1:1000 doctor-to-patient ratio. This stark disparity results in limited access to timely and quality care, particularly for specialist consultations and patient transfers to higher-level facilities.

To bridge this gap, the Department of Health's telemedicine program was launched, bolstered by the Department of Information and Communications Technology's Free Wi-Fi for All initiative deploying 301 Free Wi-Fi sites across MIMAROPA including 38 specifically in Palawan's GID Areas with a focus on BusCoCuLin. This collaboration aims to empower residents with virtual consultations, diagnoses and even facilitates patient transfers. While challenges remain, Palawan’s telemedicine initiative stands as a testament to the power of innovation and collaboration. Since 2021, over 40,000 individuals have been served, their well-being enhanced by timely consultations, specialist care, and
streamlined patient transfers. This translates not just to numbers, but to countless lives saved.

Website: https://www.facebook.com/dictr4b

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, RURL

WSIS Action Lines: 2

SDGs: SDG1, SDG8, SDG9, SDG11

Stakeholder Type: Government

Country, Region: Philippines, Asia and Pacific

Title: Electric Network Geolocation HTA (NumHTA)

Entity Name: Sonelgaz

Description: The Sonelgaz-Distribution, one of the Sonelgaz Group subsidiaries, is facing challenges in analyzing its electrical network due to the deterioration of paper mapping documents and the use of decentralized systems. To address these issues, the Sonelgaz IT services proposed a solution called the "Digitization of the electrical network" application. This application aims to digitize the medium voltage network on a map and offers various
functionalities such as user management, network digitization, and reporting. It also connects with Carto distribution and structure management solutions.

This application provides improved visualization of the electrical network, efficient management of attribute data, optimized planning and maintenance, quick error detection, and advanced spatial analysis to help decision-making on network behavior.

Additionally, the medium voltage GIS application integrates with other energy management systems, reduces costs, and protects electrical assets. Overall, this solution offers a comprehensive approach to effectively analyze and manage Sonelgaz-Distribution’s electrical network.

Finally, the application plays a major role in preserving the assets management of the Electric networks, thus ensuring the sustainable and efficient management of these infrastructures.

**Website:** https://sig-elec.sonelgaz-serv.dz

**Target Beneficiary Groups:** N/A

**WSIS Action Lines:** 2, 3, GOV, EMP, ENV, 11

**SDGs:** SDG7, SDG8, SDG9, SDG11

**Stakeholder Type:** Government

**Country, Region:** Algeria, Africa
Title: Addressing The Digital Divide Challenges in Indonesia (LocNet Project)

Entity Name: Common Room Networks Foundation (Common Room) (CR)

Description: The main objective was to initiate comprehensive approaches that encompassed training and capacity-building on Community Networks (CN) infrastructure development and utilization for local communities in rural and remote areas. This initiative also included the development of a contextual business model, research and policy advocacy, as well as knowledge production and distribution to sustain further CN infrastructure development and adoption at the larger level. The pilot project was successfully implemented in the Ciptagelar indigenous community village (2019) and the Ciracap Sub-district (2020) in the southern coastal region of West Java province. With the launch of the School of Community Networks (SCN) during the Rural ICT Camp in 2021, the project was extended and successfully implemented in 11 rural and remote areas across 10 different provinces in Indonesia. This serves as a commendable example of how community-owned internet infrastructure can effectively address the digital divide challenges in Indonesia.


Target Beneficiary Groups: RURL

WSIS Action Lines: 2

SDGs: SDG9

Stakeholder Type: Civil Society

Country, Region: Indonesia, Asia and Pacific
Title: “Internet para Todos” in Peru

Entity Name: Internet para Todos

Description: Internet para Todos (IPT) was born as a global collaborative initiative between Telefónica and Meta to bridge the digital divide in Latin America, under a sustainable and innovative model that would overcome the obstacles related to bringing connectivity to rural areas with high geographical complexity. This initiative is joined by IDB Invest and CAF, which guided by the same goal of connecting the unconnected and confident that connectivity is an important lever for the development and transformation of people’s lives, consolidates the new company IPT as a Rural Mobile Infrastructure Operator – OIMR in Peru, starting operations on May 1st, 2019.

IPT is based on an innovative, open, collaborative and sustainable model, which allows the deployment of mobile internet service in areas of high geographical complexity, under technologies and disruptive processes that transform traditional networks and structures, overcoming technical and economic barriers that had not previously allowed to increase connectivity in rural areas; this in line with our solid commitment with integrity, safety and health, respect for our environment and the communities in which we operate. For this reason, IPT contributes to the following Nations Sustainable Development Goals (SDGs):

- SDG 9 Industry, Innovation and infrastructure
- SDG 10 Reduced inequalities
- SDG 4 Quality Education
• SDG 8 Decent work and economic growth
• SDG 5 Gender Equality
• SDG 17 Partnerships for the goals

Website: https://www.ipt.pe/

Target Beneficiary Groups: WOMN, INDG, POOR, RURL

WSIS Action Lines: 2, 3, 4, 6

SDGs: SDG4, SDG5, SDG8, SDG9, SDG10, SDG17

Stakeholder Type: Private Sector

Country, Region: Peru, Latin America and the Caribbean

WSIS Action Line C3.
Access to Knowledge and Information
Title: Illuminating Connectivity: DICT Region 11’s Triumph in Bridging the Connectivity Divide

Entity Name: Department of Information and Communications Technology Region 11 (DICT-11)

Description: Barangay Gumitan in Marilog District stands as a testament to resilience in the face of geographic disadvantage. This picturesque yet isolated barangay, surrounded by challenging terrains and devoid of cellular signals, found itself at the margins of digital connectivity. However, a transformative initiative emerged, paving the way for progress—the “Free Wi-Fi for All” program, a flagship endeavor of the Department of Information and Communications Technology (DICT).

Brgy. Gumitan, acknowledged as one of the most disadvantaged areas in Davao City, became a beneficiary of the program. The journey to connect this remote barangay was no simple task, demanding the use of 4x4 vehicles to navigate the challenging landscape. The absence of cellular signals and a lack of power infrastructure posed additional hurdles.

Undeterred by these challenges, the DICT-11 demonstrated ingenuity by addressing the absence of electricity, a critical component for sustaining connectivity through installation of solar power solution. This becomes the lifeblood of the connectivity initiative, providing a continuous and sustainable source of connectivity for the community. Beyond facilitating internet access, these solar-powered solutions proved versatile, supporting various needs within the barangay hall and enhancing overall community life.

Website: https://www.facebook.com/DICTDavaoRegion/

Target Beneficiary Groups: YOUTH, OLPD, WOMN, INDG, DISB, UNEMP, POOR, RURL

WSIS Action Lines: 1, 2, 3, 4, 5, 11

SDGs: SDG3, SDG4, SDG9, SDG10, SDG16, SDG17

Stakeholder Type: Government

Country, Region: Philippines, Asia and Pacific

Title: Plant-for-the-Planet platform
**Entity Name:** Plant-for-the-Planet Foundation

**Description:** "The world is facing a climate emergency and we need to restore ecosystems to sequester CO2 from the atmosphere, binding it long term. As part of the UN decade on Ecosystem Restoration we are committed to accelerate our work regarding ecosystem restoration and children and youth empowerment we spearheaded globally for 15 years. The challenge is to fund ecosystem restoration, execute it well and create transparency about these restoration efforts worldwide within the next decade. The Plant-for-the-Planet platform solves these problems by matching restoration projects and donors and providing monitoring and transparency.

The Plant-for-the-Planet platform consists of

- a web app
- an android and
- iOS mobile app as well as customizable
- TreeMapper App
- FireAlert App

Therefore, our platform reaches individuals, companies and governments alike, engages them in ecosystem restoration and helps them to make their commitment to the SDGs visible and easy to communicate. Further it empowers historically marginalized groups of the global south to restore their local ecosystems and generate a sustainable income for their families.

Thanks to the collaboration with partners like the UNEP, Imperial College London, salesforce and others we were so far able integrate latest scientific findings and to generate donations resulting in +55 million trees planted for more than 260 restoration projects on the ground."

**Website:** https://www1.plant-for-the-planet.org/

**Target Beneficiary Groups:** YOUTH

**WSIS Action Lines:** 3, 4, GOV

**SDGs:** SDG4, SDG13, SDG15, SDG17

**Stakeholder Type:** Civil Society

**Country, Region:** Germany, Western Europe and North America
Title: DigiYouth

Entity Name: iLEAD AFRICA

Description: DigiYouth is an AI platform that aims to connect young people with digital opportunities, skills, jobs, funding, internships, and other resources that can help them to succeed in the digital world. It is designed to be a comprehensive resource that provides all the information and support that young people need to find thrive in the digital age.

At DigiYouth, users can a range of resources and tools that can help them to develop their skills and pursue their career goals. This includes access to training and educational programs, job listings, funding opportunities, mentorship and networking opportunities, and more.

In addition to connecting young people with resources, DigiYouth also provides a community platform where users can connect with like-minded peers and professionals in the digital space. This allows users to share ideas, collaborate on projects, and build meaningful relationships with others who are passionate about digital innovation.

Overall, DigiYouth is an innovative platform that empowers young people with the information, resources, and connections they need to succeed in the digital world.

Website: https://www.youtube.com/watch?v=ZwBLUeByv8s
Title: 2023 APT Artificial Intelligence and 5G Technology Training Course

Entity Name: China Academy of Information and Communications Technology (East China Branch)

Description: The 2023 APT AI and 5G Technology Training Course, co-hosted by the APT and E-CAICT, attracted 14 representatives from 13 regions in the Asia-Pacific region. The 10-day training course was held in Shanghai and emphasized the importance of strengthening communication and mutual learning. Speakers from various industries
emphasized the potential for greater cooperation in the region to contribute to economic and social development. Trainees shared insights on ICT and AI development in their respective regions, providing valuable references and inspiration for future collaborations.

Website: https://www.apt.int/APTHRD

Target Beneficiary Groups: YOUTH

WSIS Action Lines: 3

SDGs: SDG17

Stakeholder Type: Academia

Country, Region: China, Asia and Pacific

---

Title: Qatar Atlas

Entity Name: Qatar Atlas

Description: The Qatar Atlas page reviews the results of the 2020 census and compares them with previous censuses. The census results are presented to beneficiaries in a very simple and easily comprehensible manner, utilizing the latest Geographic Information Systems techniques to depict and display topics in maps, charts, and dedicated textual
explanations. The Atlas covers data on environmental, social, economic, and human-related subjects, enriching statistical and developmental planning fields. Additionally, the page includes links to previous atlases prepared by the Planning and Statistics Authority, which can be downloaded as PDF files. The page also provides general information about the State of Qatar and its history of governance. A new feature allows users to create their own maps, enabling them to select available data on different administrative boundaries and topics of interest, with the option to print them at the highest resolution and quality.

**Website:** https://gis.psa.gov.qa/QatarAtlas/index

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, DISB, UNEMP, POOR, MIGR, RURL

**WSIS Action Lines:** 3

**SDGs:** SDG4, SDG9, SDG11, SDG17

**Stakeholder Type:** Government

**Country, Region:** Qatar, Asia and Pacific

---

**Title:** Open Data Portal

**Entity Name:** SAUDI BORDER GUARD (BG)

**Description:** The "Open Data Portal" represents a groundbreaking initiative, serving as a digital gateway that opens the doors to a wealth of information pertaining to the General Directorate of Border Guard. This platform transcends traditional data repositories,
positioning itself as a dynamic ecosystem designed to empower users and researchers, fostering transparency, collaboration, and knowledge-sharing.

At its core, the Open Data Portal is a bridge between the General Directorate of Border Guard and the public, dismantling information barriers and democratizing access to valuable datasets. Its primary objective is to provide users, from individuals with casual interests to seasoned researchers, with the tools and resources necessary to explore, utilize, and repurpose data in various formats.

The portal boasts a comprehensive spectrum of data, encompassing border security statistics, geographical insights, and operational details. This diversity ensures that users can delve into a multitude of topics, from historical trends to current challenges. With a user-friendly interface, the platform ensures that individuals, regardless of technical expertise, can easily navigate, find relevant information, and comprehend the datasets provided.

Recognizing the varied needs of users, the platform supports multiple data formats. Whether users prefer raw datasets for in-depth analysis or visual representations for a quick overview, the Open Data Portal accommodates diverse preferences. It goes beyond being a mere repository, functioning as a catalyst for intellectual exploration. Researchers can leverage the platform for in-depth studies and analyses, contributing to a broader understanding of border security dynamics and associated issues.

**Website:** https://www.fg.gov.sa/en/OpenData

**Target Beneficiary Groups:** YOUTH, WOMN

**WSIS Action Lines:** 2, 3, GOV, LEA, 11

**SDGs:** SDG4, SDG8, SDG9, SDG16, SDG17

**Stakeholder Type:** Government

**Country, Region:** Saudi Arabia, Asia and Pacific
Title: Data Saudi

Entity Name: Ministry of Economy and Planning (MEP)

Description: Data Saudi transforms how economic and social data is provided to the public. This innovative project aims to empower a broad set of stakeholders through quality economic and social data and insights to support decision-making and raise awareness about the performance on different economic and social dimensions.

The project, led by the Ministry of Economy & Planning, is aligned with the Kingdom’s Vision 2030 objectives. Data Saudi is a unified platform that consolidates the Kingdom’s socioeconomic data and presents it through interactive visualization tools and easy-to-understand narratives supported by a state-of-the-art user interface. The platform empowers decision-makers to make informed decisions, ultimately contributing to Vision 2030 objectives, including enabling the growth and diversification of the economy, enhancing transparency, and enabling a data-driven economy.

Data Saudi’s target audience is diverse, including the public and private sectors, investors, researchers, citizens, students, or anyone interested in learning about KSA’s socioeconomic landscape. The platform provides data for the country’s different regions and economic sectors and includes international data for more than 180 economies. The Data Saudi technology stack leverages a mix of powerful and reliable open-source and modern web technologies. The platform leverages a responsive design to deliver an optimal user experience. Data Saudi presents many types of charts and offers various features, including interactive visualizations, browsing the underlying data online, data downloading in
machine-readable formats, the option to share charts through social media channels, and other nifty features, including innovative ways of presenting evolution of data. Additional exciting new features are planned, including enabling users to build different visualizations and Gen AI capabilities.

**Website:** https://datasaudi.mep.gov.sa/en

**Target Beneficiary Groups:** N/A

**WSIS Action Lines:** 1, 2, 3, 4, GOV

**SDGs:** SDG4, SDG8, SDG9, SDG16, SDG17

**Stakeholder Type:** Government

**Country, Region:** Saudi Arabia, Asia and Pacific

---

**Title:** Engaging Youth and Youth Women for Fighting Misinformation

**Entity Name:** Bangladesh NGOs Network for Radio and Communication (BNNRC)

**Description:** Bangladesh has historically been subjected to widespread political and communal violence caused by rumors and disinformation hindering the smooth functioning of democratic transitions. The popularity of social media and its increased accessibility to the masses has further complicated the fight against misinformation. In
Bangladesh thousands of media outlets both electronic and print, misinformation poses an enormous challenge.

Every day, numerous materials with misleading information are published on social media, and these reach billions of people. Youth are the most active users of social media and messaging platforms and use these platforms as their principal source of information. BNNRC has implemented the initiative “Youth Resilient to Misinformation Building Local Engagement and Media Development” to make young people resilient to misinformation so that they can enjoy responsible and well-informed citizenship which can contribute to society and the world around them.

Under these initiatives, local young journalists and youth influencers are engaged with their communities, produce quality content, and lead others in positive local norms around civic responsibility, civic engagement, and information. These local youths at the community level can later act as key catalysts for protesting and building resistance through social media against misinformation/disinformation and indirectly literate more than 0.5 million people.

**Website:** [https://bnnrc.net/c-3-engaging-youth-and-youth-women-for-fighting-misinformation/](https://bnnrc.net/c-3-engaging-youth-and-youth-women-for-fighting-misinformation/)

**Target Beneficiary Groups:** YOUTH

**WSIS Action Lines:** 3

**SDGs:** SDG5, SDG16

**Stakeholder Type:** Civil Society

**Country, Region:** Bangladesh, Asia and Pacific
Title: Digital Ecosystem of Moscow Libraries

Entity Name: The Government of Moscow (Moscow Government)

Description: The world is witnessing the growing popularity of e-books. However, many Moscow residents continue to prefer paper editions. To ensure that literature is available to every citizen of Moscow, 440 city libraries are open in Moscow, where one can borrow not only the works of the classics, but also books written by contemporary authors - in total, more than 15 million editions, including rare ones, which can be viewed only in the reading rooms of libraries. More than a million Muscovites regularly take advantage of these opportunities.

At the same time, Moscow is committed to keeping its libraries modern and comfortable. So since 2018 the city has been developing a library digital ecosystem: an information system that combines evidence of all book collections and useful services for readers, including the Moscow Libraries service on the official Moscow Government portal mos.ru. This allows Moscow residents to use a convenient online format: to get a single library card at mos.ru, which can be used at any city library; to find out which library has the required book; to find a library near the place one lives, works or studies; to order a book online so that one can come to the library and pick it up later; extend the holding period of a book if the reader fails to return it on time.

Despite the fact that Moscow is a mega city with an area of over 2.500 km2, the city libraries are located in every district of the city: both in the centre and in remote areas. If the desired book is not available in the preferred library, a person can use the Moscow Libraries service and find the nearest library that has it in stock. It is enough to reserve a book online and specify the library from which it would be convenient to pick it up in a few days.

Website: https://www.mos.ru/knigi/

Target Beneficiary Groups: YOUTH, OLDP, DISB, UNEMP, POOR

WSIS Action Lines: 2, 3, 4, 6, GOV, LEA

SDGs: SDG3, SDG4, SDG5, SDG8, SDG9, SDG10, SDG11
Title: INTERNET.GOV.PL - Information System on Fixed Internet Access

Entity Name: Ministry of Digital Affairs of the Rep. of Poland (MC)

Description: Internet.gov.pl is a free of charge portal that facilitates access to broadband Internet services for Polish residents.

On the one hand the system is a database that collects information on the existing or planned availability of fixed Internet services in any location in Poland, based on mandatory reports from Internet service providers and citizens as well. In that way the service is rising awareness in society and gives local communities an overview on availability of services.

On the other hand citizens may use it to report a demand so it facilities roll-out as it makes the investment economically justified. Whenever the demand is reported the request is forwarded directly to all operators that declared particular address within their range. If none operator provides such services the request is sent to those that declare coverage within the nearby area (usually 1 km radius from the user’s location).

These operators receive the request and have the opportunity to contact the user to discuss the possibility of delivering broadband internet access.
Implementation cost was at 435 071,00 EUR (1 960 000 PLN).
Annual maintenance costs is at approx. 332 776 EUR (1 500 000 PLN).

**Website:** https://internet.gov.pl/

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, DISB, UNEMP, POOR, RURL

**WSIS Action Lines:** 3

**SDGs:** SDG1, SDG4, SDG5, SDG7, SDG8, SDG9, SDG10, SDG11, SDG12, SDG13, SDG17

**Stakeholder Type:** Government

**Country, Region:** Poland, Eastern Europe

**Title:** Tanzania Digital Inclusion Project

**Entity Name:** Organization for Digital Africa

**Description:** "Our solution stems the challenge of lack of affordable and meaningful Tanzania as recommended by the UN Secretary General’s report on Digital Cooperation. Although there are 6 telecom companies in Tanzania the competition among them has never been pure. There is what is suspected as collusion in pricing fixing of data bundle. This causes Internet poverty and the victims are the ordinary citizens and more so the marginalized rural and underserved urban populations. The problem of Internet
affordability took us to the path that we began to think about digital divide as whole set of divides in Internet access, digital skills, and digital gender gap.

The end result of the thinking resulted in the so called “strength in numbers”. That is that is it possible to bring people together to share the cost of a broadband infrastructure and monthly data bundle package to bring the cost of Internet down? Is this possible to use numbers in cooperative arrangement to do this? We tested this hypothesis between 2021 and 2023 by establishing a community driven project called Tanzania Digital Inclusion Project. The project aimed higher- connecting citizens to meaningful Internet, creating community network innovation hubs, providing digital skills, digital adult education, e-learning skills for teachers and STEM trainings for girls to reduce digital gender gap.

Ten-year (10) Objectives of our solution (TADIP).

1. To provide Meaningful and Affordable broadband Internet to 4 million citizens.
2. To provide digital skills to 1.5 million youth and women
3. To engage 100,000 girls in STEM trainings program
4. To establish 200 Community Network Innovation Hubs

Approach: Our approach is use of cooperative arrangement, where all community stakeholders share the cost of establishing the Internet infrastructure and monthly cost of data bundle. The aim is not profit but cost-sharing to bring down the cost of making affordable and meaningful Internet available for every subscriber in the community where can have the Internet:"

**Website:** https://www.linkedin.com/in/nazar-nicholas-69656ab7/

**Target Beneficiary Groups:** YOUTH, WOMN, POOR

**WSIS Action Lines:** 3, 4, LEA

**SDGs:** SDG4, SDG5, SDG9

**Stakeholder Type:** Civil Society

**Country, Region:** United Republic of Tanzania, Africa
Title: Canasta Digital Social

Entity Name: INDOTEL

Description: Canasta Digital Social consists in providing an allowance with the latest generation broadband internet service for 24 months to 4,300 women living in communities with high levels of poverty and low internet penetration, between the ages of 20 and 60 and basic education level. This solution also includes a smartphone, so they can have access to internet and navigate.

As part of the project, these women are trained in digital skills and competencies, through a basic digital skills program with a gender focus.

Women will be able to safely use a smartphone and access Internet both to streamline their work environment and for their day-to-day tasks, without restrictions of use in any place and with sufficient data, also they will implement the training received to improve their quality of life, including, but not exclusively, obtaining a higher monthly income, and empowering them to the use of the ICTs.
INDOTEL, aware of the importance of access to broadband Internet service for the development of digital skills, productivity, and economic growth, and seeking alternatives that promote universal access, establishes among its priorities the development of initiatives that help increase Internet access, mainly for women heads of household, who are unable to cover their costs, in order to connect them to a quality internet service and therefore provide them with the opportunities offered by digital technologies for education, health, productive work, among others. Limited access to modern technologies limits their power to generate economy and transformation and, above all, limits their participation in society and knowledge.

With projects such as Canasta Digital Social, INDOTEL is committed to providing more opportunities for women to be active users of the new digital environment, with the belief that through these tools we are committed to greater empowerment for women and in their way to improve the quality of life of their families and therefore their communities.


**Target Beneficiary Groups:** WOMN

**WSIS Action Lines:** 1, 2, 3, 4, 5

**SDGs:** SDG1, SDG3, SDG4, SDG5, SDG10

**Stakeholder Type:** Government

**Country, Region:** Dominican Republic, Latin America and the Caribbean
Title: Educational Institutions Internet Connectivity Program

Entity Name: Mawingu

Description: Mawingu.org is the social impact arm of Mawingu Company and aims to use the internet's power to open opportunities and transform lives by offering meaningful internet connectivity in rural Kenya. What makes our internet connectivity meaningful is the affordability to the user (subsidized costs) and our capacity to deliver at the right speed where it's needed most. We bridge the access and cost barriers to the internet by connecting underserved institutions, and communities through fixed connectivity at cost and via free public Wi-Fi hotspots.

Through our Educational Institution's Internet Connectivity program, Mawingu.org is working to unlock the potential for digital learning in the classrooms rather than the ICT labs by converting the classrooms into digital-enabled learning spaces, taking connectivity to the teachers’ and students’ hands. We tackle three of the critical barriers that keep most educational institutions from accessing meaningful internet across rural Kenya:

1. Cost of access - Infrastructure / CAPEX – We work with donors to cover the infrastructure cost needed to set up the internet across all the classrooms.
2. Affordability – The monthly subscription is charged at cost (subsidized price). Institutions value having internet access and therefore set their monthly budget to pay for the internet, just like how they pay for other utility bills such as water and electricity.
3. Rural/remote connectivity – Mawingu company is the country's largest company working exclusively to connect rural Kenya and Mawingu.org rides on its vast infrastructure.

This approach to the proposed solution is different from the conventional adopted solutions and at the same time, it's sustainable. Three months after the inception of the educational institution's connectivity program, Mawingu.org has connected 15 institutions impacting over 3,600 people. The objective is to increase the number of institutions under this program to 100 and impact over 20,000 people by the end of 2023.
Title: Discover Tech / Lepazīsti Tehnoloģijas (LV)

Entity Name: Riga TechGirls, NGO

Description: "The "Discover Tech" program is a three-month educational initiative, aiming to introduce participants to the diverse field of ICT in Latvia.

The program strives to achieve several key objectives:

1. To broaden participants' understanding of ICT by showcasing its diverse fields beyond traditional IT stereotypes. By highlighting the range of opportunities and
applications within technology, the program seeks to inspire participants to explore careers and utilize technology in any industry.

2. To improve participants' digital skills, equipping them with essential knowledge and tools to succeed in the digital age.

3. To address gender disparities in the ICT industry by actively encouraging women’s participation, although it has now opened its doors to all participants.

The program takes a comprehensive approach to ICT education, offering a structured curriculum consisting of 20 lectures, 4 workshops, and 14 tests. It covers topics including project management, product management, data analytics, AI, cybersecurity, cloud computing, quality assurance, front-end and back-end development, UX/UI design, startups, DevOps, etc. The program leverages the expertise of 50+ industry professionals, ensuring participants receive insights from experienced practitioners.

The "Discover Tech" program has made a significant impact on its participants and the ICT landscape in Latvia. With over 6'000 registered participants it has reached a wide audience and successfully engaged learners. The program has challenged stereotypes surrounding ICT, promoting a more inclusive view of the field and encouraging individuals to consider technology careers.

By enhancing participants' digital skills, the program equips them with valuable capabilities applicable in various industries. It has also fostered gender diversity, with 94% female and 6% male participants. The program’s impact extends beyond age boundaries, as it has attracted individuals as young as 15 years old and as old as 75 years old, promoting lifelong learning.

**Website:** https://iepazistitehnologijas.lv/

**Target Beneficiary Groups:** YOUTH, WOMN

**WSIS Action Lines:** 1, 3, 4, 5, LEA, 9

**SDGs:** SDG4, SDG5, SDG8, SDG9, SDG10

**Stakeholder Type:** Civil Society

**Country, Region:** Latvia, Eastern Europe
Title: Access to information knowledge (Schools Connectivity)

Entity Name: National Telecommunication Agency (Anatel)

Description: The Cost Monitoring Group for School Connectivity Projects (Gape) aims to carry out school connectivity projects public basic education schools, with the necessary quality and speed for the pedagogical use of Information and Communication Technologies (ICTs) in educational activities, in order to fulfill the obligation established in the Notice of 5G (Tender Notice n° 1/2021-SOR/SPR/CD-ANATEL).

The Cost Monitoring Group for School Connectivity Projects (Gape) approved in its 7th meeting, held on July 27, 2022, a pilot school connectivity project with the objective of analyzing the project execution stages in a set restricted and selected from these institutions.

The pilot was implemented in 10 Brazilian municipalities, distributed among the five regions of the country, serving a total of 177 (one hundred and seventy-seven) public basic education schools. Of the 181 (one hundred and eighty-one) basic education institutions visited, 4 (four) were found to be deactivated, one in Berilo/MG, two in Cavalcante/GO and one in Santa Luzia do Itanhy/SE. Thus, the pilot project now covers 177 (one hundred and seventy-seven) schools. The municipalities were chosen according to technical criteria modified by the group, considering variables such as the IDH-M, number of students
benefiting, the municipality’s port and connectivity and the existence of schools on indigenous lands, in remaining quilombo communities and in rural settlements.

**Website:** https://www.gov.br/anatel/pt-br/composicao/grupos-de-trabalho/gape/evolucao-do-projeto

**Target Beneficiary Groups:** YOUTH, INDG, POOR, MIGR, RURL

**WSIS Action Lines:** 3

**SDGs:** SDG4, SDG7, SDG8, SDG10, SDG11

**Stakeholder Type:** Government

**Country, Region:** Brazil, Latin America and the Caribbean

---

**Title:** Dubai AI

**Entity Name:** Digital Dubai Authority (DDA)

**Description:** Dubai AI is a digital city concierge designed to answer inquiries related to city information and services powered by Generative AI. It is catered to a wide range of city citizens, residents, visitors, and business owners. It enables them to inquire and engage in
human-like conversations about various matters related to health, education, tourist destinations, transportation, weather, aviation, business, real estate, etc about the city that users may need. Moreover, Dubai AI will cover transactional services such as renewing car licenses, paying for parking, inquiring about government transactions very soon. Dubai AI has been entirely developed in-house without the involvement of external vendors, fostering partnerships with Dubai government entities which will assist in determining the use cases that can be implemented on the platform.

As a powered city-level platform, Dubai AI provides a seamless experience that complies with artificial intelligence principles and ethics developed and published by Digital Dubai. This framework enables city sectors to identify, analyze, and design generative AI uses that create value and achieve sustainable operations based on the best standards.

Establishing a conversational channel between Dubai government and its customers to inquire about services and city information will save the customers’ time and efforts, enhance their quality of life, reduce customer calls or visits to the services centers, and ultimately increase the overall customer satisfaction of Dubai government services.

Since its launch on 10/2023 Dubai AI has successfully attracted a significant number of engagements from Dubai’s customers in a very short period, despite being available only on the official website of the city of Dubai (dubai.ae) and the DubaiNow app. Digital Dubai is actively working on a plan to expand the usage by integrating Dubai AI across all government websites and applications in the Emirate of Dubai. As of 10/1/2024, the number of sessions is 58,891, and the number of chats is 45,284.

**Website:** https://dubai.ae

**Target Beneficiary Groups:** N/A

**WSIS Action Lines:** 3

**SDGs:** SDG11

**Stakeholder Type:** Government

**Country, Region:** United Arab Emirates, Asia and Pacific
Title: Geospatial portal

Entity Name: Environment Authority (EA)

Description: The geospatial portal is considered the most important application that has been developed internally in the department. It aims to facilitate environmental work within the Authority and link geographic data between the Authority’s directorates and departments. The portal contains an interactive map that includes all the data available in the Authority and in the rules of the Geographic Information Systems Department. This data has been divided in the portal according to the directorates. The portal also provides the ability to search and inquire about data and produce the required maps, and the data on them is updated continuously. In addition to the data map, the portal includes other supporting applications that facilitate the work of decision makers and technicians in field work, which are (the dashboard application - the Story Map application - the (survey 123) application) to enter views data.

Website: https://geoweb.ea.gov.om/webgis/

Target Beneficiary Groups: N/A

WSIS Action Lines: 3, 4, 5, 6

SDGs: SDG14

Stakeholder Type: Government

Country, Region: Oman, Asia and Pacific
Title: “Smart Villages, Sustainable Well-being”- Smart Islands

Entity Name: Secretaría de Infraestructura, Comunicaciones y Transportes (SICT)

Description: The Ministry of Infrastructure, Communications, and Transportation has developed the "Smart Islands" model, under the project “Smart Villages, Sustainable Well-being”.

Through this model, the communities located within Mexican islands, can maximize the possibilities and resources of digital connectivity to enhance their quality of life and well-being, thereby contributing to the achievement of the United Nations Sustainable Development Goals. The model, unfolds through four specific phases:

1. **Access**: Connect public places with productivity projects for each location. The connectivity is provided by a satellite operator as compensation in the form of the State Reserved Satellite Capacity.
2. **Use**: The productivity projects are related to public places and impact economic, health, education, cultural and tourism sectors of each community.
3. **Appropriation**: Involves the growth of the economic, social and cultural activities based on connectivity, with the goal of generating innovative ideas for the improvement of the productivity projects.
4. Well-being: Allows the reduction of the social gap by enabling access to other human rights, such as health, education, work, etc., through Internet service; those actions will be a contribution to the Sustainable Development Goals.

Currently, “Smart Villages, Sustainable Well-being” has two (2) Islands in Mexico, under the ITU Smart Islands concept, where over 1,387 individuals have benefited, and there has been an improvement in the transformation of the communities through cooperation between Government, the academic sector, and private companies.

Website: https://coberturauniversal.gob.mx/aldeas-inteligentes

Target Beneficiary Groups: INDG

WSIS Action Lines: 1, 2, 3, 4

SDGs: SDG1, SDG4, SDG5, SDG8, SDG10

Stakeholder Type: Government

Country, Region: Mexico, Latin America and the Caribbean

Title: ANACOM’s Geoespacial Platform (GEO.ANACOM)

Entity Name: Autoridade Nacional de Comunicações (ANACOM)

Description: GEO.ANACOM is a comprehensive geospatial platform developed by ANACOM, with data from the communications sector, such as fixed and mobile internet coverage, location of postal network, complains, Spectrum Planning and Management or Spectrum Monitoring and Surveillance.

This platform has been developed to allow users to access a range of geo-referenced information on the sector through an interactive map, and is accessible from a fixed or mobile device (web-responsive).

GEO.ANACOM is a collaborative technological solution designed to provide ANACOM and the public with the ability to visualize, analyze, and interpret geographical data related to electronic communications and postal services. It includes 3 geographic visualization portals, with the same consistent look&feel graphic design: (1) the internal portal, to ANACOM employees, (2) the portal of the Suitable Infrastructure Information System (SIIS), accessible by more than 460 public & private entities, and (3) the public portal available to all citizens.
It incorporates various sub-layers, such as information on Spectrum Planning, Management & Surveillance, Postal Services, Market Statistics, Infrastructures and others. It offers coverage maps at the address level (optical fiber, coaxial cable, 2G, 3G, 4G, 5G, and satellite).

This collection makes it possible to overlay and cross-reference multiple layers on the same visualization map, making it a distinctive characteristic when compared to other application solutions. It is a powerful tool for stakeholders, the government, and ANACOM itself to make informed decisions, plan investments, and address connectivity challenges in the sector in Portugal.

**Website:** https://geo.anacom.pt

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

**WSIS Action Lines:** 1, 2, 3, 4, 5, GOV, BUS, 11

**SDGs:** SDG8, SDG9, SDG10, SDG11, SDG17

**Stakeholder Type:** Government

**Country, Region:** Portugal, Western Europe and North America

**Title:** 1Map (UAE National GIS Portal)
Entity Name: Federal Competitiveness and Statistics Centre (FCSC)

Description: 1MAP platform leverage geospatial technology & artificial intelligence to provide geo-statistics supporting national planning and provide public with authoritative maps & info for community's facilities.

1MAP Objectives

1. Establish a collaborative GIS portal that collects geospatial data from partners & provide an access to other partners. 1MAP sites serves as a 1-stop page to empower community members, partners and FCSC staff with spatial data.
2. Enabling National Geo-Statistics: Combine maps and statistical data to support national decision-making & planning through different dashboards, web maps and story maps.

Provide national authoritative maps & information for different community’s facilities through 1MAP Facilities Catalog Module.

Website: https://1map-fcsa.hub.arcgis.com/

Target Beneficiary Groups: YOUTH, OLDP, WOMN, DISB, RURL

WSIS Action Lines: 1, 2, 3, GOV

SDGs: SDG3, SDG9, SDG11, SDG13, SDG15, SDG17

Stakeholder Type: Government

Country, Region: United Arab Emirates, Asia and Pacific
Title: EquipHer4Growth (EquipHer)

Entity Name: Tech Herfrica Support Foundation (Tech Herfrica)

Description: The project, focused on uplifting rural women in agriculture and trade, integrates digital technology and financial inclusion to enhance productivity, income, and overall well-being. Addressing inequalities, poverty, and the gender digital divide, the initiative aims to empower rural women through technology.

Key objectives include improving digital and financial literacy, enabling safe internet usage, providing smartphone access for connectivity and leveraging Fintech and Agritech solutions for climate change mitigation and productivity enhancement. Additionally, connecting participants to e-commerce solutions and offering health insurance and non-interest financial services contribute to establishing financial security.

By December 2023, tangible results were achieved, with over 80% of 4,080 rural women experiencing improved digital and financial literacy. Mobile devices provided to 411 women enhanced connectivity, leading to significant improvements in e-commerce and Agritech engagement. The project facilitated over 10 million naira in trade, resulting in a remarkable 56.6% average income increase for many beneficiaries. Business loans totaling over 3 million naira achieved a 100% repayment rate, and 71% of businesses scaled up in terms of income and gained new customers. Furthermore, 86 women opened bank accounts, with 25% consistently saving, contributing to their financial stability.

Website: https://www.techherfrica.org/

Target Beneficiary Groups: WOMN, RURL

WSIS Action Lines: 2, 3, 4, 5, BUS, AGR

SDGs: SDG1, SDG2, SDG5, SDG10, SDG12, SDG17

Stakeholder Type: Civil Society
Title: Teachers’ Portal

Entity Name: Aspire to Innovate (a2i)

Description: Teachers’ Portal is the world’s only lifestyle gateway platform dedicated to teachers where they can access educational contents, financial and healthcare services. An overall journey of a teacher is ensured with their capacity development, providing them with scopes from marginalized areas which they never had received before.

The philosophy behind creating the platform was that teaching content should be customized to each classroom and created by teachers themselves, instead of consultants and companies. Started by 23 teachers in 2011, it has now grown into a popular, full-fledged social media site and is now the largest online educational content storage and professional development platform in Bangladesh, boasting more than 631,198 teachers as active members with 798,571 contents shared throughout the platform.

Teachers can post presentations, videos, blogs, and publications on various topics, ranging from general academic subjects to madrasas and technical subjects. An online repository is maintained where multimedia educational contents are stored, accessed, and shared freely. Fellow teachers can post comments which help content creators to improve through peer feedback. Every fortnight, based on various criteria including their online rating by users, teachers are recognized as the best content developers, innovative teachers, one institution head for leadership, and best online performers. Some teachers have also been endorsed as ICT4E (ICT for Education) District Ambassadors, selected through their active role in the platform, in their respective school districts, and play pioneering roles in teaching-learning development. Via the nearly 2656 ICT4E ambassadors, the practice is cascaded all over the country, thus allowing for more citizens to enjoy the benefits of the platform. The Education Directorates have recognized them as special consideration for teacher trainers in the efforts to disseminate the new curriculum and ensure the sustainability of the initiative.

Website: https://www.teachers.gov.bd/

Target Beneficiary Groups: N/A
Title: Capacity Building for Elderly and Disabled Persons (Digital Empowerment)

Entity Name: Eswatini Communications Commission (ESCCOM)

Description: The primary objective of this project is to equip individuals aged 50 and above, as well as people with disabilities, with essential ICT skills. The project aims to empower these groups by:

- Providing Training in Basic Cellphone Operation: The project offers training to help participants understand and operate basic cellphones effectively.
- Educating on Fundamental Applications: Participants are educated on essential applications like mobile money platforms and e-government services, which are increasingly becoming an integral to daily life.
- Offering Guidance on Online Safety: The project provides guidance on online safety and protection, ensuring that these vulnerable groups can navigate the digital world securely.
• Reducing Inequalities and Poverty: The project strives to reduce inequalities and poverty within these demographic groups, enabling them to access opportunities and services made available by digital technologies.

• Promoting ICTs in Development: By building capacity among the elderly and people with disabilities, the project contributes to Eswatini’s development agenda by promoting the use of ICTs.

**Website:** https://uasf.esccom.org.sz/programmes/capacity-building/

**Target Beneficiary Groups:** OLDP, DISB

**WSIS Action Lines:** 1, 3, 4

**SDGs:** SDG4, SDG8

**Stakeholder Type:** Government

**Country, Region:** Kingdom of Eswatini, Africa

---

**Title:** EMPOWERING COUNTRYSIDE DEVELOPMENT THROUGH THE LILOY DIGITAL TRANSFORMATION CENTER (LDTC)

**Entity Name:** Local Government Unit of Liloy (LGU-Liloy)

**Description:** The Philippine Statistic Authority in 2023 reported that only 51.6% or 14.8 million households have internet connectivity. Among 17 regions in the Philippines, it was also reported that Zamboanga Peninsula region had the lowest proportion of households
with internet access at 28.5 percent. Accordingly, the municipality of Liloy in the Zamboanga del Norte, is among the municipalities in the region that have seen the impact that digital transformative technologies have provided in the area. The Covid-19 pandemic reinforced the need for countryside areas to adapt to the growing need for e-commerce and digital technologies that empower citizens and the community.

To address this issue, the municipality of Liloy in partnership with the Department of Information and Communications Technology (DICT) established the first municipal-based Level 2 Digital Transformation Center in the country. The Liloy DTC (formerly Liloy Digital Hub Tech4Ed Center) was recognized as one of the Outstanding Tech4Ed Centers in 2021 for providing a venue to 120 online teachers each earning around P15,000.00 – P50,000.00 ($290-$970) per month, generating a total of P2 Million to the local economy per year. The DTC also has been the go-to hub for free training on digital literacy, cybersecurity, data privacy and various skills training to its constituents.

**Website:** https://www.facebook.com/liloyict

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

**WSIS Action Lines:** 1, 3, 4, LEA

**SDGs:** SDG4, SDG5, SDG8, SDG11

**Stakeholder Type:** Government

**Country, Region:** Philippines, Asia and Pacific
Title: Virtual world for All

Entity Name: Office of Electronic Communications (UKE)

Description: The project consists of two types of activities:

a) building awareness and sensitivity to the requirements of people with special needs, including those with disabilities, among the youngest (preschool and early elementary school children)

b) educational activities concerning online safety, dedicated to people with intellectual disabilities and those with the autism spectrum disorders

The goal of the first activity is to raise awareness among children about the different needs of people with disabilities and savoir-vivre in contact with people with disabilities. During the workshops we show alternative ways of communication (e.g. sign language for the Deaf - Deaf as a linguistic and cultural minority) and the use of various supporting technologies (video interpreter; screen readers; induction loop). The workshops are attended by a person with a disability, so participants can ask questions: how a person performs an activity, if and how a deaf person uses the phone. The children break down their barriers to interact with people with disabilities.

The aim of the second activity is to increase online safety for children and young people with special needs, particularly those with the autism spectrum disorders and with intellectual disabilities. Like their peers, they spend time online, have social media accounts where they post photos, play games, and make friends. Both of these groups of people, like all other users, might become target to cyber-bullying. Unfortunately, they are often unaware of the dangers, and this is due to the scarcity of educational materials adapted to their cognitive abilities. The classes are scheduled in a series of four stationary meetings. This gives the instructor and participants a chance to get to know each other and build mutual trust, which is very important when working with such groups. In addition, the facilitator can adapt the way the classes are conducted to the individual needs. This is very important for people with intellectual disabilities and neuroatypical people.


Target Beneficiary Groups: YOUTH, DISB

WSIS Action Lines: 3, 4, 5, 8, 10

SDGs: SDG3, SDG10, SDG16
Stakeholder Type: Government

Country, Region: Poland, Eastern Europe

Title: Elevate

Entity Name: Saudi Data & AI Authority (SDAIA)

Description: The Elevate Program was first announced during the second Global AI Summit which launched in collaboration between SDAIA and Google Cloud and became the first of its kind to empower women and train them in the fields of data and AI. 1,000 women from 28 countries have been trained so far.

SDAIA highlighted that the first phase of the program is conducted under the supervision of 16 processional staff within its own staff overseeing two different tracks — the Tech Professionals track and the Upskilling track for non-specialists. The program offers free
sessions to help equip participants with the skills and experience needed for their current and future roles in the tech field. Examples include: cloud engineering, data engineering, machine learning (ML) engineering, and cloud business.

Elevate aims to empower women in emerging global markets to pursue new jobs in AI and ML by training total of 25,000 women over the next five years. Elevate targets women in the technology and science fields who are interested in pursuing careers in data, AI, or ML and prepares them for the rapidly expanding job market in such areas. Moreover, it seeks to close the gender gap in STEM fields within the emerging markets.

The launch of the Elevate Program exemplifies SDAIA's efforts in positioning the Kingdom at the global forefront by raising awareness and qualifying cadres in data and AI by providing them with the necessary knowledge and skills through specialized programs incorporating the latest international practices offered by SDAIA Academy and contributing to the objectives of Saudi Vision 2030’s.


Target Beneficiary Groups: N/A

WSIS Action Lines: 3, 4

SDGs: SDG4, SDG5, SDG9

Stakeholder Type: Government

Country, Region: Saudi Arabia, Asia and Pacific
**Title**: Digital Literacy Program (PAD)

**Entity Name**: Federal Telecommunications Institute (IFT)

**Description**: The Digital Literacy Program (PAD) aims to provide face to face and virtual workshops that allow boys, girls, teenagers, women, people with disabilities and the elderly to learn how to use ICT (cell phones, computers, tablets, etc.) and telecommunications (Internet, mobile telephony) using accessibility features and assistive technologies available allowing them real and effective access to telecommunications and ICT, contributing to a better quality of life.

The PAD seeks to empower users regarding their rights and the benefits of the telecommunications and ICT use, the work of the Federal Telecommunications Institute in the matter and the digital tools developed in users favor.

Between 2022 and 2023 the PAD has benefited approximately 10,000 users of telecommunications services, which has contributed to encouraging the use of telecommunications in various sectors of the population and reducing the digital divide in Mexico.

The logistics and topics of these workshops are in charge of the IFT, gathering valuable participation from various organizations and associations dedicated to the digital literacy of these vulnerable groups.

**Website**: https://www.ift.org.mx/usuarios-y-audiencias/programa-de-alfabetizacion-digital-2023

**Target Beneficiary Groups**: YOUTH, OLDP, WOMN, DISB, POOR

**WSIS Action Lines**: 3, 4, 5

**SDGs**: SDG4, SDG5, SDG10

**Stakeholder Type**: Government

**Country, Region**: Mexico, Latin America and the Caribbean
Title: Mada Academy

Entity Name: Qatar Assistive Technology Center (Mada) (Mada Center)

Description: Mada Center delivers training and capacity-building services via Mada Academy. Mada Academy is an initiative recently launched by Mada Center toward empowering people and institutions, through providing engaging and inspiring inclusive training and capacity development for all, as well as supporting open and inclusive digital education IDE services, in compliance with the national and UN framework, in particular the CRPD article 9 about accessibility and article 24 about education, as well as the SDG 4 about quality education for all. Mada Academy serves as a center of excellence in training, professional development, and lifelong learning for all, including learners with disabilities. The academy works to promote open and inclusive digital education opportunities, and provides quality accessible online and blended training courses, as well as face-to-face training workshops, in a wide range of cutting-Edge topics, with a focus on information and communication technologies (ICTs) accessibility, assistive technology, and inclusive education.

Website: https://academy.mada.org.qa/

Target Beneficiary Groups: OLDP, DISB, UNEMP

WSIS Action Lines: 1, 3, 4, LEA, 11
Title: "Mujeres en Red" (Women in Network)

Entity Name: Telefónica del Perú

Description: "Mujeres en Red" (MER) is a project that we promote from Movistar Telefónica Hispam in alliance with our collaborating companies and its objective is to promote the employability and training of women in technical telecommunications tasks to close the gender gap in traditionally male roles.

The project started in Peru in 2020 and in 2021 it was replicated to our operation in Colombia. To date, in both countries, MER has promoted decent employment and the empowerment of more than 900 women technicians and has trained more than 7,000 people (men and women technicians and administrative team) on topics such as new masculinities, unconscious biases, and female empowerment. This achievement has been possible thanks to alliances with collaborating companies, social and educational organizations, and the government.
Through MER we are committed to the creation of shared value, by having an impact on the business (which is reflected in the productivity and customer satisfaction indicators of the women technicians), in alliance with women who are transforming their lives and those of the people around them.

Website: https://www.movistar.com.pe/mujeres-en-red

Target Beneficiary Groups: WOMN

WSIS Action Lines: 4, EMP

SDGs: SDG1, SDG4, SDG5, SDG8, SDG9, SDG10, SDG17

Stakeholder Type: Private Sector

Country, Region: Peru, Latin America and the Caribbean

Title: Developing Digital Champions Among Communities in Rural and Underserved Areas in Malaysia (MIV)

Entity Name: Malaysian Communications and Multimedia Commission (MCMC)

Description: The Malaysia ICT Volunteer (MIV) initiative aims to cultivate digital champions within local communities. Since its inception in 2016, MIV has enlisted over ten thousand volunteers from various communities across Malaysia, including those in rural and underserved areas. Approximately half of the recruited and trained digital champions hail from Malaysia's rural and underserved communities.

In 2023, a total of 913 volunteers were recruited nationwide. These digital champions have actively served and assisted their communities, enhancing digital literacy and promoting positive online behavior. The volunteers have organized various small-scale activities tailored to meet the specific needs and age groups of their communities.
Prior to engaging with the local communities, volunteers attended a workshop to acquire relevant knowledge and skills. A hybrid online and offline training method was employed to equip the digital champions before their involvement in community activities.

Following the workshop, the volunteers’ volunteering period lasts between 2 and 3 months to organize activities within the local communities. Additionally, they actively advocate for Internet safety awareness within the online communities. Volunteers are encouraged to sustain their activities beyond the volunteering period.

**Website:** www.miv.mcmc.gov.my

**Target Beneficiary Groups:** YOUTH, WOMN, INDG, DISB, UNEMP, POOR, RURL

**WSIS Action Lines:** 4

**SDGs:** SDG4, SDG8

**Stakeholder Type:** Government

**Country, Region:** Malaysia, Asia and Pacific

**Title:** Building Capacity of Rural Women on Digital Financial Services through Literacy

**Entity Name:** Bangladesh NGOs Network for Radio and Communication (BNNRC)
**Description:** Women participation in Bangladesh’s labor force has increased to 42.68% in 2022, up from 36.3% five years ago, according to a survey report conducted by the BBS released on 29 March 2023.

Despite contributing to household income, they have little or no role in making decisions about household financial matters. Their access to and control over the money they earn are very low because of their poor status in their families, and lack of experience, which results in low confidence levels. Usually, they hand over all their earnings to their husbands, or fathers, and have no say in decisions about how that money is spent. Further, the men in many of these families do not seem to know or will plan and save.

Addressing the challenges, BNNRC has been implementing initiatives to enhance women’s status in the family and workplace to build their image and capacity as holders of knowledge through digital financial literacy and to build a solid digital cashless payment in line with mobile banking and digital financial services for propelling into the digital age.

Under these initiatives, BNNRC has been supporting community radios to develop radio content and organize a series of live discussions on varied issues including financial literacy, mobile financial services, online agent banking, and digital payment, Communication skills, problem-solving & decision-making, and Time and Stress Management and provided training for radio broadcasters and volunteers.

**Website:** https://bnnrc.net/c-4-building-capacity-of-rural-women-on-digital-financial-services-through-literacy/

**Target Beneficiary Groups:** N/A

**WSIS Action Lines:** 4

**SDGs:** SDG3, SDG5, SDG10

**Stakeholder Type:** Civil Society

**Country, Region:** Bangladesh, Asia and Pacific
Title: Pracownie Aktywnego Korzystania z Technologii (PAKT)

Entity Name: Centrum Projektów Polska Cyfrowa (eng. Digital Poland Projects Center) (CPPC)

Description: The main goal of the project was to create the concept of the Workshop Spaces for Active Use of Technology (PAKT) - an innovative digital workshop (like educational technology hubs, based on fab labs and makerspaces idea) in stationary and mobile form with an offer of workshops and training in digital competencies, (in accordance with the scope of intervention of Priority Axis No. III: Digital Competencies of Society under the Digital Poland Operational Program (EU). The target group of the activities were students (kids and youth, teachers/educators, and adults).

Project goals was:

- Enable students to get in touch with modern technologies and encourage them to choose a career path in the ICT industry,
- Create a concept of classes in schools based on training in PAKT labs to improve the skills of adults and increase their competitiveness in the labor market in Poland and Europe.
- Create spaces (in 4 cities) for active use of technology (educational makerspace) stationary, and 4 mobile ateliers.
- Create a network of over educators and a model of ateliers that can be used in more places in Poland.
The PAKT project was realized by a consortium consisting of: Centrum Projektów Polska Cyfrowa (Digital Poland Projects Center) as a Leader, Lodz University of Technology, "Robisz.to" ("You do it") Association, and "Miasta w Internecie" ("Cities on the Internet") Association. As part of the project activities, 4 Workshop Spaces for Active Use of Technology - PAKT – was established in 2023 in four cities in Poland: Lodz, Tarnow, Olsztyn, and Wroclaw.

The ateliers are places for organizing educational workshops for children, teenagers, and adults based on problem-based learning, project-based work and three leading paths STEAM like robotics, programming, and multimedia. The aim of the activities is to spread the idea of education focused on the development of cross-cutting competencies, including digital competence and technological skills that promote rapid adaptation, proficiency, and social resilience.

Website: https://www.gov.pl/web/cppc/PAKT

Target Beneficiary Groups: YOUTH

WSIS Action Lines: 4, 11

SDGs: SDG4, SDG5, SDG17

Stakeholder Type: Government

Country, Region: Poland, Eastern Europe

Title: Girls-in-ICT Project

Entity Name: MINISTRY OF COMMUNICATIONS AND DIGITALISATION

Description: Following the adoption of the International Girls-In-ICT Day in 2012 by Member States of the ITU, Ghana has expanded the initiative to a month-long project in each of the beneficiary regions. The Ghana Girls-In-ICT project is all about breaking the myth around active female participation in ICT. Since 2012, 10,980 basic school girls, 75,000 senior high school young ladies and 50 tertiary ladies and 1,100 ICT teachers have been trained across 12 out of the 16 regions of Ghana.

Project objectives:

1. Support the education of women and girls in ICT in line with the SDG 5 aimed at achieving gender equality and empowering all women and girls through ICTs;
2. Bridge the gender digital gap as well as meet SDG 4,
3. Ensure universal access in line with emphasizing the importance of universal access to ICTs,
4. Arouse the interest of young girls to take studies in sciences, technology, engineering, and mathematics (STEM);
5. And expose young girls to career opportunities existing in the ICT sector.

As a flagship project, the Ministry collaborates with Ghana Education Service, key partners in the digital ecosystem and beneficiary regions for the implementation of the project. The project involves:

1. Selection of teachers and girls from communities within the region.
2. Training of teachers
3. Training of girls
4. Mentorship event
5. Climax and awards ceremony
6. Open day event for best-performing 100 girls

The project has enhanced digital skills, influenced career choices and choice of STEM related courses, bridging the digital gender divide, and developing critical thinking and research skills.

**Website:** https://moc.gov.gh/girls-in-ict-2022/

**Target Beneficiary Groups:** YOUTH, WOMN, RURL

**WSIS Action Lines:** 3, 4, LEA

**SDGs:** SDG4, SDG5, SDG17

**Stakeholder Type:** Government

**Country, Region:** Ghana, Africa
Title: SmartTruck Project

Entity Name: Saudi Telecommunication Company (STC)

Description: STC and Huawei created the Education4ALL Digital Inclusion Action Plan and through the SmartTruck project to reach out to remote areas and fill the gap between the elderly in Saudi Arabia.

Together launch a mobile computer classroom converted from a shipping container. Once transported to its new location on a flat-bed truck, it has the capacity to operate digital skills training for rural districts without a reliable electricity supply – and far more affordable than fixed-location training centre. To provide elderly people with skills necessary to use digital applications and online services as well as protecting their data privacy.

The project has been operated in 11 cities and benefited more than 2000+ elderly people, including the women.


Target Beneficiary Groups: OLDP, RURL

WSIS Action Lines: 2, 4, 5
SDGs: SDG4

Stakeholder Type: Private Sector

Country, Region: Saudi Arabia, Asia and Pacific

Title: She Goes Digital

Entity Name: She Goes Digital

Description: She Goes Digital is a program that seeks to provide digital skills training to adolescent girls and young women in the rural parts of Kakamega Kenya to enable them to earn an income working in the digital market.

Our approach is providing in-person training to adolescent girls and young women in our community hub, and also providing free access to computers and internet connection so they can continue practicing and also use the hub as a working space.

So far we have trained 160 girls and young women, and 30 out of this number have been able to get jobs and income as a result of the training.

Website: https://www.youtube.com/watch?v=WFd3k9lz7Wc

Target Beneficiary Groups: YOUTH, RURL

WSIS Action Lines: 3, 4, BUS

SDGs: SDG1, SDG5, SDG8, SDG17

Stakeholder Type: Civil Society
Country, Region: Kenya, Africa

Title: From Homemakers to Techmakers: Igniting Women's Digital Potential with the Digital Jobs PH Technical Training (DJPH) Program

Entity Name: Department of Information and Communications Technology (DICT)

Description: Traditionally confined to homemaking roles, women in Western Mindanao, the Philippines, now experience a transformative shift, thanks to the Digital Jobs PH Technical Training (DJPH) program. Spearheaded by the Department of Information and Communications Technology (DICT), the program provides women with opportunities to pursue careers in ICT and to step into the digital landscape with confidence.

Since 2017, over 400 women have undergone technical training on social media marketing, graphic design, and website development to position them for career opportunities, increased income stream, and professional advancement. From training to employment, the women graduates are further nurtured and guided in their journey with initiatives from the DICT geared towards sustaining the growth of ICT-enabled industries – the free public Wi-fi program, co-working spaces, and industry events such as the Philippine Online Freelance Conference.

As a whole, the DJPH program takes a holistic approach to empowering women in digital spaces. With these policies, the program addresses skill development needs and provides the necessary infrastructure for the sustained success of women in Western Mindanao, one click at a time.
**Website:** https://www.facebook.com/DICT.RO9BASULTA

**Target Beneficiary Groups:** WOMN

**WSIS Action Lines:** 4, EMP

**SDGs:** SDG4, SDG5, SDG8

**Stakeholder Type:** Government

**Country, Region:** Philippines, Asia and Pacific

---

**Title:** Digital Teachers

**Entity Name:** Habitat Association

**Description:** The project, aiming to equip primary and middle school teachers with digital literacy skills, was launched in 2020 through the collaboration of ING Turkey, Habitat Association, and Middle East Technical University (METU). Among the project's objectives is to facilitate teachers' transition into the digitalized world, providing them with digital literacy skills applicable in remote education settings. The project also seeks to contribute to ensuring equal digital competencies among teachers from different regions, enabling them to transfer their acquired digital literacy skills to primary and middle school students. This way, teachers and students become integral parts of the digital transformation process,
fostering a more digitally literate society. Ultimately, the project aims to contribute to the broader digital transformation journey in Turkey.

The project comprises of two phases of online trainings. In the first phase, in a 7-week online program benefiting 1000 teachers, e-lessons cover topics such as Digital Citizenship, Creativity, Effective Presentation, Critical Thinking, and Measurement & Evaluation. In a group of 35, teachers attend live online sessions guided by academic advisors and follow specially prepared offline video modules and learning by doing.

In the second phase, based on teachers’ grades, assignments and instructor’s evaluations, 100 teachers who successfully completed the first stage are selected to personally receive advanced digital literacy training from METU instructors. This phase continues with online sessions, and each teacher is provided with VR glasses, offering an enhanced learning experience in digital literacy by combining Virtual Reality and Augmented Reality.

Since 2020, within the project scope, approximately 7000 teachers have been trained to enhance their digitalization and digital competencies.

**Website:** https://dijitalogretmenler.com/

**Target Beneficiary Groups:** YOUTH, WOMN, RURL

**WSIS Action Lines:** 4

**SDGs:** SDG4, SDG5, SDG17

**Stakeholder Type:** Civil Society

**Country, Region:** Türkiye (Republic of), Western Europe and North America
Title: JaWArA Internet Sehat (Cyberwise Champion) (JIS)

Entity Name: Perkumpulan Mitra TIK Indonesia (ICT Watch)

Description: JaWArA Internet Sehat is a project to encourage young digital activists in the region to become community leaders (local champions) who will initiate and drive digital literacy education programs with a local and bottom-up approach, creating changes from the grassroots. This project was undertaken by ICT Watch and WhatsApp, with the support of the Ministry of Communication and Information Technology (MCIT) of the Republic of Indonesia, Relawan TIK Indonesia (Indonesia ICT Volunteers) and Digital Literacy National Movement "SIBERKREASI".

In their activities, the local champions provide digital literacy education to many elements of society, especially to people in villages/rural areas, children, people with disabilities, youth, and women (mothers), through local approaches that are easily accepted, such as wayang (traditional puppets) show, local cultural content, movies, games (cards/snakes and ladders), etc.
This project also develops the distance learning system through https://akademi.internetsehat.id and Digital Literacy WhatsApp ChatBot at https://s.id/kakinat, so the communities can carry out self-learning for some topics, such as combating hoaxes, digital security, personal data protection, etc. The chatbot has already followed by 21,345 participants.

In 2021, this program recruited 60 local youth champions (JaWArA) who successfully ran 108 digital literacy education programs in their respective areas. This program reached 29,731 people in 73 regencies/cities from 26 provinces. In 2022, we recruited another 100 local youth champions who ran 186 digital literacy programs, reaching 237,784 people. In 2023, we focused on tackling hoaxes toward the General Election of 2024. The JaWArA were involved in the education in 8 cities that covered 3,681 participants.

We documented some inspirational stories of this program (2021-2022) in the book "Bunga Rampai (Multiauthor) Jawara Internet Sehat" which can be downloaded at https://jawara.internetsehat.id/buku-bunga-rampai/

Website: https://jawara.internetsehat.id/

Target Beneficiary Groups: YOUTH, WOMN, DISB, RURL

WSIS Action Lines: 4, 8

SDGs: SDG4

Stakeholder Type: Civil Society

Country, Region: Indonesia, Asia and Pacific
Title: The Technical Development Program (TTDP)

Entity Name: Information & eGovernment Authority (iGA)

Description: In line with the Kingdom of Bahrain’s Economic Recovery Plan and the Fiscal Balance Program of its Economic Vision 2030, and to support new graduates and job seekers in the Information Technology (IT) field, the “Technical Development Program” was launched as one of the strategic projects that aims to refine the skills of young Bahraini university graduates and job seekers with technical specializations aged between 21 to 30 years old who are registered in the unemployment insurance system to become human capital that is distinguished and experienced national cadres in line with the requirements of the labour market and make them the best choice in employment in the public and private sector. The project is conducted by the Information & eGovernment Authority, in cooperation with the Ministry of Labour, aims to help achieve sustainability, fairness, and competitiveness in both the public and private sectors and to optimize government spending by reducing costs, terminating unnecessary external IT contracts, and creating job opportunities for qualified Bahrainis. It also seeks to help future generations become important architects of a digital society, who can compete at a global level and help the Kingdom achieve its digital vision.

Website: https://www.iga.gov.bh/en/category/the-technical-development-program

Target Beneficiary Groups: YOUTH, WOMN, UNEMP

WSIS Action Lines: 4

SDGs: SDG4, SDG8

Stakeholder Type: Government

Country, Region: Bahrain, Asia and Pacific
Title: Tecnolochicas

Entity Name: Fundacion Televisa (FT)

Description: We provide basic coding and computer science training to thousands of female students 12-22 in Mexico, the United States and other Latin countries. With our own curriculum and tools, we train female college students majoring in STEM who become mentors to female students in middle-school and high-school. Most students come from public schools and underserved backgrounds. In the United States, our main focus is the Latina population.

In Mexico we include native and indigenous population, migrants and displaced youth coming, and students with disabilities. We aim to expand their aspirations, strengthen their confidence and provide them both with the technical and socioemotional skills to succeed.

Our basic courses for students 12-15:

1. How to make your first website;
2. How to make your first app and/or videogame;
3. How to incorporate artificial intelligence to your projects;
4. How to work with the Internet of Things and principles of robotics.

Our intermediate courses for students 16-22 and those that completed the first four are:

1. Web development using an AI copilot;
2. Coding for data science including using AI tools.

Both of these provide a certificate. The classes are synchronous and can be face-to-face, hybrid or fully online for Mexico and the US. Participants from South America join online.

In addition to the course, we provide extended learning activities involving technology for industries like smart mobility, health, sports and manufacturing. We have national TV campaigns in Mexico and the US plus an active use of social media.

The program began with young women from migrant families in the United States and native women in Mexico. In the last five years number of graduates are as follows: 2019, 500 students; 2020, 1000 students; 2021, 2,500 students; 2022, 8,500 students; 2023 over 16,000 students. Our goal is to graduate 30,000 students in 2024.

Website: tecnolochicas.mx and technolochicas.org
**Target Beneficiary Groups:** YOUTH, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

**WSIS Action Lines:** 3, 4, 5, LEA, EMP, 8, 11

**SDGs:** SDG4, SDG5, SDG8

**Stakeholder Type:** Civil Society

**Country, Region:** Mexico, Latin America and the Caribbean

---

**WSIS Action Line C5.**

Building Confidence and Security in the Use of ICTs

---

**Title:** FAWRI TICK

**Entity Name:** Executive Office of Anti-Money Laundering and Counter Terrorism Financing (EOAMLCTF)

**Description:** FAWRI TICK is a Case Management System that links more than 80 governmental entities, speeding up the communication process and information transfer
between entities in a safe and secure system. The platform covers cases of Evasion (Sanction or Tax Evasion), Money Laundering, Proliferation (Nuclear, Biological, Chemical, Armory, Explosives, Weapons and Financing), Smuggling (Gold and Cash), Targeted Financial Sanctions (Terrorist Financing and Proliferation), Grievance and Terrorist Financing on the individual or company level.

**Website:** https://fawri.fanr.gov.ae/

**Target Beneficiary Groups:** N/A

**WSIS Action Lines:** 2, 3, 5, GOV, 10

**SDGs:** SDG9, SDG16, SDG17

**Stakeholder Type:** Government

**Country, Region:** United Arab Emirates, Asia and Pacific

---

**Title:** Internet of Things (IoT) Devices Catalog

**Entity Name:** Federal Telecommunications Institute (IFT)

**Description:** The purpose of the Internet of Things (IoT) Devices Catalog developed by the Federal Telecommunications Institute (IFT) of Mexico is to provide information to users on the main features and privacy policies defined by manufacturers of devices marketed in Mexico and certified by the Institute.

The device catalog integrates information from devices with Wi-Fi connectivity according to the following classification:

- Smart TV
- Appliances
- Video Game Consoles
Among the main functions of the IoT Devices Catalog is the possibility for users to select and filter terminal equipment according to their classification and characteristics. Likewise, this tool provides users with information on websites where the privacy policies of the device manufacturers are available, so they have information about the data shared and how it is treated.

Additionally, the tool has informative content about these devices that are interconnected with each other through the Internet, as well as the possibility of identifying the approval certificates of each of them, which allows users to have information that generates confidence in the use of these devices.

Website: https://catalogoiot.ift.org.mx/index.php?r=site%2Fcategorias

Target Beneficiary Groups: N/A

WSIS Action Lines: 4, 5

SDGs: SDG9

Stakeholder Type: Government

Country, Region: Mexico, Latin America and the Caribbean
Title: Advocacy and outreach programme for Kampung Orang Asli Negeri Sembilan

Entity Name: Malaysian Communications and Multimedia Commission (MCMC)

Description: This project aims to enhance the digital inclusion and empowerment of the Orang Asli communities in Negeri Sembilan by providing access to ICT and raising awareness on digital safety and literacy. This project educates the community on online risk and advancing the field and practice of digital advocacy.

The first stage was conducted at the Orang Asli village at Tebong Pasir in 2023 with 120 participants from nearby areas, who received training and exposure on how to use the internet safely and responsibly, how to make complaints on internet issues, and how to access various online services and platforms. The programme achieved positive results and impact, such as:

- Improved digital skills and knowledge among the Orang Asli participants, especially the youth and women who can use ICTs for education, entrepreneurship, and social empowerment.
- Enhanced digital awareness and responsibility among the Orang Asli participants, especially in remote and rural areas who can protect themselves from online threats and misinformation and use the internet ethically and constructively.
This project will be a successful example of collaboration and partnership between the government, the private sector, and the civil society to foster digital inclusion and empowerment for the marginalized and underserved groups in Malaysia.

**Website:** https://www.mcmc.gov.my/ms/media/photo-gallery/program-advokasi-dan-jangkauan-digital-kampung-ora

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, RURL

**WSIS Action Lines:** 1, 2, 3, 4, 5, GOV, LEA, 8, 9, 10

**SDGs:** SDG3, SDG4, SDG5, SDG8, SDG10, SDG11, SDG16

**Stakeholder Type:** Government

**Country, Region:** Malaysia, Asia and Pacific

---

**Title:** Diagnosing impediments in the "last mile" of juvenile online protection (The last mile project)

**Entity Name:** China Internet Network Information Center
Description: With over 97% minors using Internet in China as of 2022, online platforms have launched specialized functions to prevent juveniles from pressing problems such as online addiction. To bridge the "last mile" of these functions, so that juveniles, families, and schools use them consciously and properly, this project conducts systematic research to understand the young Internet users, towards the end of active social attention, policy improvement, and optimization of online platforms. The research is based on an annual survey of tens of thousands of primary and secondary school students, their parents and hundreds of teachers nationwide since 2018. Following WSIS Action Line C5, and the "Connected Generation" International Telecommunication Union Youth Strategy launched in 2020, this project helps the general society to understand the situations and challenges of juvenile online protection, driving improvement of protection measures, helping juveniles, families and schools to build confidence in using ICTs. The project has received promising feedback. (1) Policy: for example, the revised Regulations on the Juvenile Online Protection addresses cyberbullying, privacy protection, and online addiction, raising social discussions. (2) Business: large Internet platforms such as Tencent have launched functions to address online addiction among juveniles on online games, live streaming, and short videos, as well as mechanisms of privacy protection and prevention of excessive online consumption. (3) Community: the proportion of surveyed students who have not experienced any cybersecurity incidents in the previous year increased from 66.0% in 2019 to 72.4% in 2022; the proportion of students with knowledge about online rights protection and reporting increased from 69.1% in 2018 to 78.9% in 2022.

Website: https://www.cnnic.cn/

Target Beneficiary Groups: YOUTH

WSIS Action Lines: 5, 6, 10

SDGs: SDG4, SDG5, SDG17

Stakeholder Type: Civil Society

Country, Region: China, Asia and Pacific
Title: Cyber Champions Competition (CCC)

Entity Name: TANZANIA COMMUNICATIONS REGULATORY AUTHORITY (TCRA)

Description: Cyber Champions Competition is the cyber competition initiative for the purpose of raising cybersecurity knowledge and identify individuals with cybersecurity skills in Tanzania. The competition started in 2019 then known as "Cyberstars Competition". The competition is conducted using an online platform targeting youths at the age of 18 to 24 from higher learning institutions and covers cybersecurity domains such as Ethical Hacking, Intrusion detection and monitoring, Computer forensics, Malware analysis, and Secure programming. Cyber Champions Competition involves four (4) stages at the National level: online registration, online mentorship, National semi-finals, and National final competition.

Objectives of the competition were to:

1. Raise and improve the cybersecurity skills of the targeted group.
2. Identify individuals who are capable in cybersecurity domains.
3. Raise cybersecurity culture within the targeted group.

Stakeholders of the project include both public and private higher learning institutions.

Inclusively Cyber Champions Competition have managed to provide training and mentorship to 3144 candidates (youth) on various cybersecurity domains which include Ethical Hacking, Intrusion detection and monitoring, computer forensics, malware analysis, and secure programming.

The Cyber Champions competition has addressed the growing cybersecurity skills gap both in the private and public sectors in Tanzania. The competition has proven to be an effective way for finding new cybersecurity talents and fostering the development of the required cybersecurity competencies.

Website: https://cyberchampions.tcra.go.tz/

Target Beneficiary Groups: YOUTH, WOMN, DISB

WSIS Action Lines: 5

SDGs: SDG9

Stakeholder Type: Government

Country, Region: United Republic of Tanzania, Africa

Title: Building Trust with Technology: Securing Digital Philippines with PNPKI and Cybersecurity Trainings (Secure Philippines-PKI)
Entity Name: Department of Information and Communications Technology - MIMAROPA Region (DICT MIMAROPA)

Description: For years, the Philippines has been plagued by cybersecurity attacks, and the latest Cybersecurity ASEAN 2023 report from Palo Alto Networks (PANW) highlights the Philippines having the highest number of disruptive cyberattacks in Southeast Asia.

To attain a higher level of security for online transactions, the Philippine National Public Key Infrastructure (PNPKI) was implemented and has since mitigated the risks associated with unauthorized access and data manipulation. Since 2023:

- DICT MIMAROPA issued 45,872 PNPKI digital certificates within MIMAROPA and Bicol regions.
- Collectively, DICT has issued 576,448 PNPKI digital certificates from 2014 to 2023.
- In 2022, the deployment of PNPKI has streamlined processes in both the National and Local Elections, increasing the trust and reliability of the electoral system.
- Within the DICT MIMAROPA region alone, PNPKI has nurtured 175 partnerships.

It is also important to note that the project is complemented with cybersecurity training programs, all towards strengthening the Philippines overall cybersecurity posture:

A total of 121 cybersecurity training programs and advocacies with 19,269 individuals trained by DICT MIMAROPA. This includes accredited trainings for Licensed Professional Teachers (LPTs) and Electronics Engineers (ECEs) participated by a total of 3,724 professionals. The cybersecurity advocacy also includes specialized Computer Emergency Response Team (CERT) training.

Website: https://www.facebook.com/dictr4b

Target Beneficiary Groups: OLDP, WOMN, DISB, RURL

WSIS Action Lines: 5

SDGs: SDG4, SDG9, SDG16, SDG17

Stakeholder Type: Government

Country, Region: Philippines, Asia and Pacific
Title: Intelligent voice technology applied to African languages (INNOCENCE)

Entity Name: i-Wanga inc.

Description: Our solution is based on Intelligent Voice Technology and Natural Language. The dynamics of this concept was born from the observation made by the founder of i-Wanga, Moustapha DJIMERA, on the lack of services adapted to the realities of the African populations: illiteracy, lack of education on the concepts and uses of NTIC...

Thus, with the aim of having a major social impact on the continent, we imagine and create solutions allowing populations to access any type of technological service, thanks to their voice and in their local languages (the ones they master best).

Voice-based services offer a myriad of use cases:

- Product purchase
- Assistance/Awareness (first aid, health, mobility impaired, road safety...)
- Education (e.g. school lessons, )
- Verification (e.g. checking account balance)
- Customer service
- Task execution/scheduling (e.g. calls, meetings, etc.)
- Listening to content (e.g. music, TV, radio, news...)
Title: Preventing Risks of Information Systems based on Large Language Models via Fact-checking and Uncertainty Quantification

Entity Name: Mohamed bin Zayed University of Artificial Intelligence (MBZUAI)

Description: Recent advancements in the capabilities of large language models (LLMs) have paved the way for a myriad of groundbreaking applications in various fields. People
use these models for information search, to ask medical questions, to generate new content, etc. There is a notable shift in user behavior, indicating an increasing reliance on and trust in LLMs as primary information sources, often surpassing traditional channels.

However, a significant risk arises as these models inevitably “hallucinate”, i.e., fabricate facts without providing users an apparent means to discern the veracity of their statements. Hallucinations are very dangerous since few erroneous claims can be embedded within largely accurate content, which makes fake information very persuasive.

The project addresses this growing AI technology risk by innovating in the realm of fact-checking and uncertainty quantification for LLMs. Our contributions are twofold: first, we delve into deep scientific research to devise novel methodologies; second, we develop an open-source program framework alongside a user-friendly tool named LM-Polygraph. The framework and the tool could be used by developers and end users to verify content generated by state-of-the-art LLMs such as ChatGPT, Vicuna, LLaMa, Jais, etc. This results in an approach to safer and more responsible use of LLMs.

**Website:** https://wsis.nlpresearch.group/

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 5

**SDGs:** SDG9

**Stakeholder Type:** Academia

**Country, Region:** United Arab Emirates, Asia and Pacific
Title: Dignity in Difference

Entity Name: Dignity in Difference

Description: "The proposed solution is an award winning, innovative approach to combat online discrimination against women and gender minorities. It leverages the principles of Design Justice, Dialogic Partnership, and Citizen Science within the framework of Contextual Integrity to create a dynamic, survivor-centric platform for reporting and documenting instances of online harassment.

The platform, accessible via a chatbot on popular messaging apps like WhatsApp and Telegram, allows victims to report incidents, provide context, and contribute to a multilingual, time-series dataset of online discrimination. By labeling the discriminatory content and sharing their personal experiences, survivors are empowered and given agency in this process.

A dashboard, accessible to vetted stakeholders, displays real-time trends, topics, and targeted communities, acting as an early warning system for emerging patterns of discrimination. Stakeholders wishing to access the datasets must submit a plan and go through an ethical review process, ensuring respect for the survivors' privacy.

The solution blends thick data (qualitative insights) with big data, ensuring a nuanced understanding of online discrimination. This combination of data allows stakeholders to develop context-specific classifiers, implement informed counter-speech initiatives, and create data-driven policies.

The impact of this solution is multi-faceted. It empowers survivors by giving them an active role in combating discrimination and provides researchers, journalists, policymakers, and social media platforms with actionable, context-rich data. By making strides towards a more inclusive digital world, this solution stands to have a far-reaching, positive social impact."

Website: https://www.dignityindifference.org/home

Target Beneficiary Groups: YOUTH, WOMN

WSIS Action Lines: 3, 5, 8
Title: Interactive Cyber Drills Program (CyberIC Range Platform)

Entity Name: National Cybersecurity Authority (NCA)

Description: As Saudi Arabia navigates its transformative journey, the cybersecurity sector has emerged as a critical focus. Expanding, this sector faces challenges like the increasing complexity of cyberattacks and a shortage of skilled cybersecurity professionals.

The National Cybersecurity Authority (NCA) launched the "Interactive Cyber Drills Program" to address these challenges, fortifying the Kingdom’s cyber defense by training professionals against diverse threats.

The program offers selectively developed simulation scenarios grounded in real-world challenges, emulating sophisticated global cyberattack techniques and replicating tactics observed in national-level incidents by the NCA. This approach enables rigorous evaluation of participants from various entities, providing insights into operational strengths and pinpointing improvement areas.
The "Interactive Cyber Drills Program" is supported by a robust, locally built platform, developed and hosted in collaboration with the Saudi Information Technology Company (SITE), the technical arm of NCA. This platform is an environment for innovation, developing advanced solutions to tackle complex cybersecurity challenges. The program's objectives are:

- Enhancing cyber-readiness and resilience against emerging threats, protecting national interests.
- Fostering innovation in cybersecurity defense strategies, keeping the Kingdom technologically advanced.
- Strengthening cybersecurity capabilities across sectors, creating a unified defense.
- Ensuring business continuity against complex cyber threats, contributing to the Kingdom's economic stability and growth.

The "Interactive Cyber Drills Program" allows access to national and international participants supporting in-person and remote trainings simulations and is a proactive step towards creating a secure, innovative, and resilient cyberspace.

Website: https://nca.gov.sa

Target Beneficiary Groups: YOUTH, WOMN, UNEMP

WSIS Action Lines: 1, 3, 4, 5, 6, LEA, 11

SDGs: SDG4, SDG5, SDG6, SDG7, SDG8, SDG9, SDG11, SDG16, SDG17

Stakeholder Type: Government

Country, Region: Saudi Arabia, Asia and Pacific

Title: Protecting Teens from Cyberbullying in Bangladesh: The Cyber Teens Movement

Entity Name: Cyber Teens Foundation

Description: Teenagers in Bangladesh use the internet in addition to the benefits and sometimes suffer from disadvantages, especially cyberbullying and online sexual harassment. They are often afraid to share with family, friends, or law enforcement agencies when these issues are explored. As a result, they make terrible decisions like depression,
anxiety, self-harm and even suicide. I started the "Cyber Teens" app to protect teenagers from cyberbullying. We did piloting in 2019.

In Cyber Teens app, teenagers can anonymously report any online harassment to us. Our expert volunteers analyze the teen’s problem and engage psychologists, law enforcement agencies or cyber experts for advice if necessary. We organize cyber awareness seminars in schools and colleges. It is a movement to keep teenagers safe in the online world.

We proposed to the govt—the establishment of a special committee for teenagers at the national, district, and upazila levels. We are pleased to share that our proposal received approval from the Cabinet Division. Subsequently, the "Cyber Crime Prevention Committee for Teenagers" was formed in 64 districts and 492 upazilas by the ICT Division of the Bangladesh Government. Each District and Upazila Committee comprises stakeholders, including Teachers, Child Affairs Officers, Psychologists, Lawyers, NGOs, and ICT Officers. And the national level committee has important government officials including BTRC, N-CIRT, Special Cyber Wing of the Police.

Cyber Teens Helpline 13 2 19: With the concept of 13 to 19; the ages of teenagers, we got the helpline number with the help of Bangladesh Telecommunication Regulatory Commission. This number is very easy for teenagers to remember. Any teenager in Bangladesh can reach our trained volunteers by dialing 13 2 19 if he/she is a victim of cyberbullying, cyber harassment or needs any internet advice. We will launch the number in September"

Website: https://www.facebook.com/cyberteensapp

Target Beneficiary Groups: YOUTH

WSIS Action Lines: 2, 5, 10

SDGs: SDG3, SDG4, SDG5, SDG16, SDG17

Stakeholder Type: Civil Society

Country, Region: Bangladesh, Asia and Pacific
Title: An Interception-resistant Authentication System | Award Winning Innovation To Better Protect Passwords

Entity Name: Graphic Access Tabular Entry Cyber Technology (GATE Cyber Technology)

Description: GATE is a revolutionary user authentication system that retains account security even in situations where potential intruders witness the entries being made because GATE hides user pins among other symbols, and some user pins might not even appear in a particular login session.

Current Password System Problems:

1. Traditional passwords and security questions cannot prevent peeking, wiretapping, keylogging, phishing, and dictionary attacks.
2. Image and photo-based methods require users to upload images or photo files, and the system must maintain the images and photos. This increases the burden on the user and the system but if a hacker takes a video and plays back the login process, the image can still be recognized.
3. Graphics, gestures, or location-based authentication methods can only be used between humans and machines, and cannot be used for machine-to-machine authentication.
4. Key fob and mobile phone-based approaches which mainly rely on objects, may be lost, stolen, or imitated.
Because of the obvious exposure of user pins during the login process, hackers can easily steal user passwords by peeking over the shoulder, using hidden cameras to record and playback the login processes, or directing users to phishing sites. Data breaches caused by password exposure in turn will pressure system administrators to enforce more strict password requirements onto the users, demands like passwords must be at least 8 digits long, and must have uppercase, lowercase, numbers, and special characters.

Every 2 or 3 months users are required to change their passwords. These restrictions made it harder for users to remember their passwords. Therefore, users will have to save their passwords somewhere, and when hackers get to that somewhere, all user passwords will be stolen. The GATE system can play the role of armor and bullet-proof glass, enabling users to resist multiple types of attacks in a high-risk environment.

**Website:** https://gatecybertech.com/gate.html

**Target Beneficiary Groups:** INDG

**WSIS Action Lines:** 5, 6, 10

**SDGs:** SDG3, SDG5, SDG7, SDG9, SDG11, SDG16

**Stakeholder Type:** Private Sector

**Country, Region:** Nigeria, Africa

**Title:** #DigiTalino: Storified Digital Literacy Curriculum
Entity Name: Limitless Lab

Description: In partnership with the ASEAN Foundation, Limitless Lab co-designed #DigiTalino, a "storified" and "laymanized" training curriculum that aims to democratize digital literacy in the Philippines. A breakthrough social innovation by Limitless Lab, #DigiTalino was created using the design thinking methodology to make the issue of "disinformation" closer and more relatable to the common Filipino.

Through a people-centered approach, #DigiTalino delivered a comprehensive, yet easily digestible digital literacy curriculum. We worked closely with various development organizations including government entities and civil societies to make the curriculum culturally sensitive, and adaptable to various contexts. Our core objective is to empower communities, especially the underserved, to critically navigate the digital world, effectively combating misinformation and disinformation.

As per a 2021 study by the Social Weather Station, over half of the Filipino population, at 51%, have difficulty discerning ‘fake news’ from genuine information in the media. The curriculum goes beyond traditional teaching methods; it uses storytelling to enhance understanding and retention. It addresses different facets of digital literacy such as how to the power of digital information, how to spot "fake news", recognizing one's biases, and responsible digital citizenship.

Since August 2022, more than 25,000 Filipinos nationwide have been trained using the #DigiTalino curriculum. Aside from our success within the Philippines, the curriculum has also been translated into several Southeast Asian languages, enhancing its utility and accessibility. The curriculum has also been proven to be effective to children as young as 10 years old and as old as 70 years old. Moreso, it was also used to trained Persons with Disabilities (PWDs).

The #DigiTalino curriculum was developed as part of the Philippine Implementation of the ASEAN Digital Literacy Programmed funded by ASEAN Foundation and Google.org.


Target Beneficiary Groups: INDG, POOR, RURL

WSIS Action Lines: 3, 4, 5, LEA

SDGs: SDG4, SDG10, SDG16, SDG17
Stakeholder Type: Private Sector

Country, Region: Philippines, Asia and Pacific

Title: Elevate - Women Empowerment in AI

Entity Name: Saudi Data and Artificial Intelligence Authority (SDAIA)

Description: Saudi Data & AI Authority (SDAIA) and Google Cloud are providing accessible and culturally competent training to women in tech and science, so that they can pursue the growing number of job opportunities in AI and ML and help bridging the gender gap in STEM fields, particularly in developing countries. SDAIA funds, catalyzes, accelerates, and advances women’s empowerment in AI both in KSA and around the world. The goal of Elevate is to empower women to pursue careers in AI by defining methods to increase employment of women in the field of AI. As a starting point, the initiative goal is to prepare participants for an entry level position in the field of data and AI. The program goal is to test this first cohort of 1000 women then extend it to potentially develop around 25,000 women in the coming 5 years and help in closing the wide gender gap in STEM fields, particularly in AI. The program has two tracks: Technical & Non-technical tracks 30% to 70%. The Technical track: Data Engineer, Cloud Architect, ML Engineer & Data Scientist will make 30% of the program trainees, whereas the non-technical track: Cloud Business Enthusiast will make 70% of the program trainees.

Website: https://twitter.com/globalaisummit/status/1653074996472823814
Target Beneficiary Groups: WOMN

WSIS Action Lines: 3, 4, 5, 6, BUS, LEA, EMP, 10

SDGs: SDG1, SDG4, SDG5, SDG8, SDG10, SDG16, SDG17

Stakeholder Type: Government

Country, Region: Saudi Arabia, Asia and Pacific

Title: Mobile Connections to Promote Women's Economic Development (MPowered)

Entity Name: Tata Communications Limited (Tata Comm)
**Description:** MPowered was initiated in 2016 as a step towards empowering some of the poorest and most vulnerable women (the ultra-poor) who live on less than $1.90 per day, through mobile technology and interventions that support sustainable livelihood development with digital, social and financial inclusion. It compliments the efforts of state chapters of National Rural Livelihoods Mission (NRLM) through livelihood training, seed grant support, facilitation and capacity building along with provision of mobile technology, and training on application and usage of smartphone for livelihood generation and for availing services of government and other state programs. The components of the initiative include livelihood planning and training, seed capital grants for investment in productive activities, integration into Self Help Groups (SHGs) to promote social and financial inclusion, and regular coaching by ‘Smart Sakhis’ (digital coaches) to reinforce training messages.

In its first phase (until 2019), the initiative aimed to directly empower 1800 women living in extreme poverty in eastern India with custom-designed mobile technology that would result in improved livelihoods, increased access to financial services and greater participation in government programmes. During the subsequent phase (2019-21), the initiative was expanded to another cohort of 1000 participants, with the primary objective to strengthen the sustainability of the first phase of the MPowered, by expanding the knowledge base of the Smart Sakhis and Project Participants (PPs), customizing the digital coaching tools, and providing more skill building inputs. With a total of 2800 Dalit and Tribal participants, the initiative in phase II was also intended to increase the responsiveness of existing government programs and services to the needs of extremely poor households by sharing research-based evidence. Recently concluded (in FY23) phase III interventions were based on learnings from the previous phases coupled with emerging needs from the COVID-19 pandemic.

**Website:** https://trickleup.org/mpowered/

**Target Beneficiary Groups:** WOMN, POOR, RURL

**WSIS Action Lines:** 3, 5, EMP

**SDGs:** SDG1, SDG2, SDG3, SDG5, SDG8

**Stakeholder Type:** Private Sector

**Country, Region:** India, Asia and Pacific
Title: “NationalConnect: Empowering Governance, Education, and Sustainability through Secure Government Video Conferencing” (Boithok)

Entity Name: Bangladesh Computer Council (BCC)

Description: The national video conference platform NationalConnect, also known as Boithok is a homegrown solution developed by the BNDA Team of BCC to combat the challenges brought about by the COVID-19 pandemic. It serves as a critical tool for ensuring the continuity of government services, offering secure and affordable remote meeting solutions to government offices, universities, schools, students, and citizens. The platform stands out with its features such as unlimited meeting duration, secured data storage within the national data center, and cost-effective subscriptions for general users. The platform’s hosting within the national data center ensures that no data is stored outside of the country. This addresses concerns about security & privacy risk, and data leakage.
A significant highlight of the platform is its provision of free subscriptions for schools and universities, easing the burden on educational institutions grappling with remote learning challenges during the pandemic. This initiative underscores the project’s commitment to supporting education and enhancing access to digital resources for academic institutions across Bangladesh.

Since its inception in January 2021, the NationlConnect has evolved through major revisions, including its latest release in January 2023, which expanded its capacity and functionalities. Despite facing stiff competition from global giants like Zoom and Microsoft Teams, NationalConnect distinguishes itself by prioritizing customization and catering to local needs. With over 2500+ successful meetings and 5,000+ hours logged, it serves key government offices, universities, and ministries, contributing to Smart Bangladesh vision. Despite capacity limitations, it has garnered adoption among select ministries and government agencies, bolstered by workshops, training sessions, and robust communication channels. Its impact transcends crisis management, fostering seamless communication and operational efficiency within Bangladesh’s unique social, cultural, and economic milieu.

**Website:** https://vc.bcc.gov.bd/

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, DISB, POOR, RURL

**WSIS Action Lines:** 1, 5

**SDGs:** SDG4, SDG8, SDG9

**Stakeholder Type:** Government

**Country, Region:** Bangladesh, Asia and Pacific
Title: The Cyber Pulse initiative for women and families (CyberPulse)

Entity Name: General Women's Union (GWU)

Description: The Cyber Pulse initiative for women and families, launched by the General Women's Union in collaboration with key organizations including the UAE Cybersecurity Council, aims to empower Emirati women in the field of cybersecurity and enhance digital safety for families. The initiative provides training courses targeting women of all ages, from teenagers to seniors, with the aim of equipping them with the necessary skills to address challenges in the cyber space. The first phase of the project involved qualifying participants through rigorous training, with 50 trainees initially selected to advance to the next stage, but the number exceeded to 85 trainees. Through courses, workshops, and lectures, the initiative aimed to reach 50,000 individuals in the community, raising awareness and promoting a cybersecurity culture, with the number of beneficiaries of awareness in the community reaching more than double at 115,481 individuals. By providing women with the tools and knowledge to protect themselves and their families online, Cyber Pulse contributes to broader digital transformation efforts in the United Arab Emirates and reinforces its commitment to creating a safe and secure digital environment for all.

Website: https://gwu.ae/cyber

Target Beneficiary Groups: YOUTH, OLDP, WOMN, DISB

WSIS Action Lines: 5

SDGs: SDG4, SDG5, SDG17

Stakeholder Type: Civil Society

Country, Region: United Arab Emirates, Asia and Pacific
Title: CyberPeace Builders for the SDGs: Digital Guardians
Protecting NGOs

Entity Name: CyberPeace Institute

Description: In today’s rapidly digitizing world, the surge in cyberattacks against NGOs poses a challenge to the pursuit of SDGs. Unfortunately, many NGOs lack the cybersecurity expertise to defend themselves and their beneficiaries online. These attacks have resulted in the theft of millions in funding, the exposure or sale of sensitive data, and even life-threatening disruptions of essential services.

NGOs are vulnerable targets due to their fundraising efforts, the lack of support from law enforcement, and their limited capabilities in cyberspace. The scarcity of cybersecurity talent further compounds this problem, making it difficult for NGOs to address the mounting threats effectively. Undoubtedly, cyberattacks have emerged as the most formidable obstacle to achieving the SDGs.

Introducing CyberPeace Builders, a collective of corporate cybersecurity volunteers committed to supporting NGOs free of charge. Aligned with SDG 16 (Peace, Justice, and Strong Institutions) and SDG 17 (Partnerships for the Goals), the Builders offer a groundbreaking partnership model. Their primary focus lies in enhancing the cyber resilience of NGOs serving vulnerable communities—an essential prerequisite for achieving systemic peace.
CyberPeace Builders have amassed a network of over 500 skilled volunteers from 40 different companies. With their expertise, they have provided cyber assistance to 150 NGOs across over 40 countries. Through their diligent efforts, they have successfully completed over 200 missions, substantially fortifying the cybersecurity of these NGOs. As a result, millions of beneficiaries have been safeguarded from online threats, enabling NGOs to carry out their vital work with confidence and security.

By recognizing the urgency of the cyber threats faced by NGOs, the Builders are actively addressing a critical gap in the SDGs landscape. With their proven track record and expansive reach, they are poised to make a lasting impact in empowering and safeguarding the digital integrity of NGOs.

**Website:** https://cyberpeaceinstitute.org/cyberpeace-builders/

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 4, 5, 10, 11

**SDGs:** SDG1, SDG2, SDG3, SDG4, SDG5, SDG6, SDG9, SDG10, SDG11, SDG13, SDG17

**Stakeholder Type:** Civil Society

**Country, Region:** France, Western Europe and North America

**Title:** Distributed Near-Source Network Security Protection Platform (DNSNSPP)
Entity Name: China Telecommunications Corporation

Description: As of January 2022, there were more than 4.95 billion active internet users worldwide. Our daily life communication, business, production, and enjoyment depend chiefly on the internet, regardless of our gender, race, age, or occupation. However, China suffers from thousands of severe distributed denial of service attacks on a daily basis just in the first half of 2020.

To prevent the discontinuity of the functioning of society, China Telecom innovatively designed and deployed the Distributed Near Source Network Security Protection Platform, which is able to provide real-time accurate measurement, tracing, and defending of the massive-level network attacks.

The DNSNSPP is easily accessible as SaaS service or standard API. It makes contribution to develop the network security capability of key national infrastructures, and effectively improves the overall level of national internet security protection. The DNSNSPP provided security defense to DDoS attacks over 21,000 times at a yearly basis and the annual average defending attack traffic is up to 570,000 TB. Over 10,000 schools, energy corporations, hospitals, government organizations, economic companies, and many other various organizations are protected by DNSNSPP from internet security attacks to promote the sustainability of infrastructure, industry, and daily life activities.

Website: https://www.ctct.cn/protect

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

WSIS Action Lines: 5

SDGs: SDG9, SDG11

Stakeholder Type: Civil Society

Country, Region: China, Asia and Pacific
Title: **Cyber Eco**

*Entity Name:* National Cyber Security Agency (NCSA) (NCSA)

*Description:* The Cyber Eco project, initiated by the National Cyber Security Agency, is strategically designed to bolster cybersecurity awareness among children and adolescents in Qatar. Beginning with educational curricula spanning from primary to high school, the project also extends its reach to include educators and parents. Now, Cyber Eco focuses on enriching cybersecurity education by orchestrating immersive field visits to both public and private schools. These visits serve as platforms to deliver innovative training and awareness content through engaging workshops.

The project's core objective is to cultivate cybersecurity consciousness among students of varying educational levels through interactive sessions. With a focus spanning from primary to high school levels, the project engages students, educators, and parents alike in its endeavors. By fostering interactive workshops during these school visits, Cyber Eco not only supplements existing curricula but also adopts an innovative approach to cybersecurity training. Departing from conventional instructional methods, Cyber Eco employs field visits as a novel approach to disseminate training content effectively. A proficient team, comprising cybersecurity experts and educators, ensures the delivery of impactful content. The project emphasizes not only the quality of training but also the educational approach to ensure student engagement and project success. Effectiveness hinges not only on quality content but also on the ability to captivate student interest, thus ensuring the project's success and goal attainment.
Through the consolidation of digital safety practices among various social segments, especially children and youth, the project sought to elevate Qatar’s global standing in cybersecurity and digital safety metrics. By fostering a safe digital environment tailored to the needs of children, adolescents, and young people, the initiative aimed to achieve tangible results in safeguarding Qatar’s online landscape.

**Website:** https://awareness.ncsa.gov.qa/en/cyber-excellence

**Target Beneficiary Groups:** N/A

**WSIS Action Lines:** 1, 3, 5, 10

**SDGs:** SDG4, SDG9, SDG16

**Stakeholder Type:** Government

**Country, Region:** Qatar, Asia and Pacific
Title: Cabo Verde Digital (CVD)

Entity Name: Cabo Verde Digital (CVD)

Description: Cabo Verde Digital, an initiative under Cape Verde's Ministry of Digital Economy, serves as a pivotal platform for fostering digital entrepreneurship and empowering the youth. Our primary focus lies in cultivating technological skills, nurturing entrepreneurial acumen, fostering critical and creative thinking among participants.

Our commitment revolves around equipping the younger generation with the necessary tools to excel, enabling them to make a substantial impact within their communities and globally. Central to our approach is the establishment of connections between learners and our extensive network, fostering a supportive community conducive to growth.

Recognizing the absence of abundant natural resources, we strategically leverage the knowledge economy and technological innovation. Our emphasis on these fronts aims not only to address our own resource limitations but also to contribute to the burgeoning tech landscape across Africa and beyond.

Launched in 2019 with robust support from the public sector and active engagement within our diverse partner ecosystem, Cabo Verde Digital has significantly impacted thousands of youths since its inception. Among our flagship programs, Kode Verde stands out, providing young change-makers without prior tech skills with comprehensive training in full-stack development and other cutting-edge technologies. This program has underscored the transformative potential of empowering youth through technology.

Additionally, our three-month pre-incubation program focuses on nurturing startups by offering financial support and mentorship, setting the stage for entrepreneurial ventures to thrive. Overall, Cabo Verde Digital stands as a testament to our unwavering dedication.
to empowering the youth, leveraging technology as a catalyst for positive change, and fostering innovation in the digital landscape.

**Website:** https://digital.cv

**Target Beneficiary Groups:** YOUTH

**WSIS Action Lines:** 1, 3, 4, 6

**SDGs:** SDG1, SDG4, SDG5, SDG8, SDG17

**Stakeholder Type:** Government

**Country, Region:** Cape Verde (Republic of), Africa

---

**Title:** MOHAP E-Services Integration Project (MOHAP Integration)

**Entity Name:** Ministry of Health and Prevention (MOHAP)

**Description:** Based on the UAE’s vision 2021-2025 aimed to make UAE one of the most innovative countries in the world, as innovation is the foundation of life-quality and development, this comes in line with the National Agenda and the National Innovation Strategy, which focused on the health sector's vital role that will lead the innovation process in the future. In line with the UAE wise leadership's faith that innovation is the
capital of the future. UAE's vision 2021 emphasizes this approach in various fields and sectors, where the innovations, research, science and technology are the cornerstones of a competitive, high-productivity economy. In this context, MOHAP is committed to instilling the principles and concepts of innovation practices in accordance with the best international standards at all strategic, organizational and operational levels, to achieve the real and qualitative advancement of services provided to all segments of society.

In order to fulfil this, MOHAP is keen to develop a comprehensive and integrated system of innovation management and lay the foundations of the innovation engines such as the innovation strategy, governance, innovation makers and activation of the innovation through partnerships and establishment of a regulatory environment that supports the consolidation of innovation practices and measuring impact, development and continuous enhancement to ensure qualitative upgrading and sustainable improvement. One of the centralized integrated systems that developed is Birth and Death System which is One Stop Shop automated solution for data analysis that help putting health strategies and national KPIs. the system has three main services: New Birth Notifications - New Death Notifications - Still Birth Notifications. Another system is integrated for newborn e-services is: Mabrouk Ma Yak: an integrated eService for newborn Emiratis. Under this eService, a newborn Emirati can get many services as below (extended)* The project was implemented on three main phases (extended)

**Website:** https://ebirthdeath.mohap.gov.ae/BirthDeathCertifications/Account/Login?

**Target Beneficiary Groups:** WOMN, INDG, DISB, UNEMP

**WSIS Action Lines:** 1, 5, 6, GOV

**SDGs:** SDG3, SDG5, SDG11, SDG17

**Stakeholder Type:** Government

**Country, Region:** United Arab Emirates, Asia and Pacific
Title: Mohammed Bin Rashid Innovation Fund - Innovation Accelerator (MBRIF-IA)

Entity Name: Ministry of Finance (MoF)

The program is MoF’s contribution to support UAE’s Innovation Agenda; a national plan that sets out to create an innovation enabling environment and develop the UAE economy and business environment, specifically to serve the objective of improving innovation delivery through public-private collaboration, bridge talent gap, facilitate access to new markets, as well as accelerate innovation through non-financial support, and that is through the nurturing of cutting-edge innovative programs.

MBRIF-IA has supported over 130 members (over 20% are women led businesses) from 24 countries over a span of 5 years. Innovation Accelerator members have supported several SDG’s such as the Goal 8 whereby our members creating over 500 job opportunities supporting the unemployed, raised funds of more than $100 million with some being awarded high prestigious awards and recognitions of 22 members in the UAE Future 100
Title: e-Payment Platform

Entity Name: Ministry of Communication and Information Technology (MCIT)

Description: The Digital Government strategy in state of Qatar aims to enhance the efficiency and effectiveness of government institutions and improve the services offered to the public by improving the level of government services for individuals and companies, raising the efficiency of government administrative processes, and increasing the levels of transparency and community participation. The e-Payment Platform which is considered one of the main shared services offered to the government will allow individual (including external users outside Qatar) and corporate users to pay for the electronic services offered by various government departments in the country. The platform will cover all current and
future e-Payment needs through the provision of numerous options for payments through the following key features:

- Credit Cards (Visa, Master, AMEX, JCP, Union Pay)
- Debit Cards
- Instant Bank Transfer within the country (local users can use their accounts in any bank to instantly pay for their usage of online Government Services)
- Apply Pay
- Google Pay
- Payment Tokenization
- Split Payments
- Reporting
- Refunds
- Reconciliation Process
- QR Code Payments
- Security through 3DS
- PCI compliance
- Multiple payment channels, such as the Web, mobile phones and points of sale (POS).

The project is considered as a groundbreaking initiative within the region, introducing a singular and comprehensive payment platform that incorporates a wide array of features. This innovative approach offers numerous advantages to government agencies, with one of the most noteworthy being a substantial reduction in operating expenses. This cost-effectiveness stems from a decrease in the number of resources needed and in the operation.

Furthermore, the multifaceted nature of the platform enables government entities to streamline the provision of e-government services. This not only facilitates efficiency but also expedites the implementation process, allowing government agencies to offer electronic services in the shortest time possible.

**Website:** https://merchantportal.qnb-pay.com/#/login

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

**WSIS Action Lines:** 1, 2, 3, 4, 5, 6, GOV, BUS, LEA, HEA, EMP, ENV, AGR

**SDGs:** SDG1, SDG4, SDG5, SDG8, SDG9, SDG10, SDG11, SDG12, SDG17
Title: Interactive Tool of Policies, Terms and Conditions Applicable in the use of Digital Platforms (Interactive Privacy Policy Tool)

Entity Name: Federal Telecommunications Institute (IFT)

Description: The Interactive Tool of Policies, Terms and Conditions Applicable in the Use of Digital Platforms allows users to know and compare the information that main digital platforms collect from users, as well as the treatment given to their personal data and the options, they have within the platforms to delete or manage it.

The main objective of this Tool is to provide users with transparent and accessible information on the treatment given to their information and the permissions or licenses granted on the management of it to the various digital platforms when they use the services provided. With the Interactive Tool of Policies, Terms and Conditions Applicable in the Use of Digital Platforms, users have the possibility of consulting information from at least 45 digital platforms, and the information is classified for better understanding into ten categories, which are:

1. Dating Apps,
2. Telecommuting applications,
3. Terminal equipment,
4. E-commerce platforms,
5. Entertainment platforms,
6. Transport platforms,
7. Social media,
8. Food transportation services,
9. Operating Systems
10. Mobile video games

**Website:** https://plataformasdigitales.ift.org.mx/public/categoria/14/aplicaciones-de-citas

**Target Beneficiary Groups:** N/A

**WSIS Action Lines:** 5, 6, 10

**SDGs:** SDG9

**Stakeholder Type:** Government

**Country, Region:** Mexico, Latin America and the Caribbean

**Title:** Istitlaa: Public Consultation Platform (PC Platform – Istitlaa)

**Entity Name:** National Competitiveness Center (NCC)

**Description:** Istitlaa puts Saudi Arabia’s government in the hands of the public. Istitlaa is a platform whose primary objective is to facilitate the development of a business model based on consulting the public via a unified public consultation platform. It empowers
individuals, government representatives, and private sector stakeholders to provide their comments and suggestions on all current draft laws and regulations.

More than 1200 projects have been submitted to Istitlaa, 450 of which were in 2023. By covering laws, regulations, procedures, agreements, guidelines, and standards, the platform has already facilitated the exchange of 50 thousand comments with relevant government entities. With 8 million visitors and 140 thousand registered accounts, Istitlaa has become a vital channel for civic engagement in the country.

The platform's impact has been tangible, with the feedback received from the public, private sector, and government entities driving changes in different laws and regulations. Istitlaa is responsible for managing the legislative process, thereby preventing overlaps in the functions of government entities. It has fostered a more stable, inclusive, and transparent legislative and regulatory environment, promoting civic engagement, which is also reflected in the country's performance in international indicators. The platform’s content and the undertaken awareness campaigns have given the public more information and knowledge on current and past deliberations on laws and regulations within the country. International agencies have already shared their input on drafted laws and regulations via the platform. Therefore, Istitlaa stands as a beacon of participatory governance, embodying the values and goals of transparency, responsiveness, and collaboration in shaping the future of Saudi Arabia.

Website: https://istitlaa.ncc.gov.sa/en/

Target Beneficiary Groups: N/A

WSIS Action Lines: 1, 3, 6, GOV

SDGs: SDG5, SDG9, SDG10, SDG16, SDG17

Stakeholder Type: Government

Country, Region: Saudi Arabia, Asia and Pacific

Title: Government Electronic Participation Platform

Entity Name: Information Technology Organization (ITO)
**Description:** This electronic participation system, designed to enhance practical interaction between the public and executive bodies, encompasses guidelines, national plans, and overarching country objectives, opening avenues for public participation. The system, as a modern approach, is crucial for strengthening social structures and fostering public engagement in major national projects. It provides an opportunity for diverse opinions and ideas from the general public, intellectuals, and scholars to play a vital role in the effective decision-making process. The advantages of this system include increased transparency, enhanced trust, reduced gap between the public and executive institutions, and heightened active participation, leading to improved outcomes.

Executive bodies, by receiving user panels, have the ability to launch electronic participation in various subjects, categorizing users based on factors such as nationality, age, education, etc., for participation in relevant surveys. After the completion of each participation and electronic poll, the results of the actions taken by the government in line with public opinions are published in the dedicated section for that topic.

Participatory governance and sustainable development are interconnected elements crucial for fostering effective and inclusive societies. Encouraging citizen engagement not only enhances democratic processes but also contributes to achieving long-term sustainable goals. Electronic consultations have the potential to bridge gaps between governments and citizens, fostering a more inclusive and responsive governance framework.

**Website:** https://eparticipation.my.gov.ir/

**Target Beneficiary Groups:** N/A

**WSIS Action Lines:** 1, 6

**SDGs:** SDG11

**Stakeholder Type:** Government

**Country, Region:** Iran (Islamic Republic of), Asia and Pacific
Title: National e-Service Bus - facilitating pathway to Smart Bangladesh (e-service bus)

Entity Name: Bangladesh Computer Council (BCC)

Description: The Government of Bangladesh has introduced National e-Service Bus under Bangladesh National Digital Architecture framework to ensure interoperability, availability and reusability of government online services, information and data. Different government organization have already developed software in an isolated way to digitalize their information and data which are not interoperable for use by other organizations causing huge monetary involvement to prepare same information and data. National e-Service bus will remove this duplicity and will provide seamless data flow between organizations. It connects services from different organizations and maintains its life cycle, seamless data exchange in a standard format. When a service is published to this e-Service bus, other organization can readily consume this service in a secure way without any hassle. It can also control data exchange and service life cycle through its different quota & throttling polices. It provides logs and audit trails to support both offline analysis and real-time troubleshooting. Both SOAP and RESTful web services can be integrated with e-Service bus. It’s running smoothly for the last 6+ years.

Results: 18 organizations and agencies use National e-Service bus for verification and customer On-boarding. SUROKKHA, covid vaccine management platform, verified 13,00,00,000+ citizens through e-service bus. As of now, 30+ e-services, citizen services and application systems are using it to provide/consume data and information. 4-5 Govt application systems and e-services are in pipeline to connect to e-Service Bus.
Impact: National e-Service Bus has made authentication & verification easy and hassle-free for Govt and Non-govt organizations. It’s creating stories by enabling organizations to move fast in official activities and service delivery. They are being used from national issue (surokkha platform, PM’s cash incentive programme etc) up to simple verification needs. In this way, it's contributing great to make life meaningful.

**Website:** https://bnda.gov.bd/page/service-detail.jsp?name=service-bus

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, DISB, UNEMP, POOR, RURL

**WSIS Action Lines:** 5, 6, GOV

**SDGs:** SDG1, SDG8

**Stakeholder Type:** Government

**Country, Region:** Bangladesh, Asia and Pacific

---

**Title:** Using AI to reduce Carbon footprint of healthcare facilities

**Entity Name:** Emirates Health Services

**Description:** Globally Healthcare sector produces 2 gigatons of CO2 globally making it 5th largest emitter of greenhouse gases. There is an urgent need for healthcare establishments in UAE to innovate to reach net zero emissions by 2050, or before. EHS’s sustainability efforts led us to build an AI solution to measure and reduce our carbon footprint.
There were estimated savings of 1.4 billion grams of CO2 by EHS in 2022. Our AI solution combined with eHealth strategy is targeted to further reduce emissions. Algorithm was designed for estimating the carbon footprint of EHS. An interactive dashboard “C footprint simulator” provided real-time actionable insights to ESG task force to monitor our emissions & strategize reduction.

The simulator estimated 1 billion grams of carbon emissions monthly due to patient travel to different EHS facilities for in-clinic appointments. The AI solution proactively identifies such appointments that can be converted to e-clinic benefitting both - patient & environment

**Website:** https://www.wam.ae/en/details/1395303123528

**Target Beneficiary Groups:** N/A

**WSIS Action Lines:** 4, 6

**SDGs:** SDG3

**Stakeholder Type:** Government

**Country, Region:** United Arab Emirates, Asia and Pacific

**Title:** Lighting digital Capacity Building Drive

🏆 2024 CHAMPION
**Entity Name:** ICT Agency of Sri Lanka

**Description:** Objectives: The overall objective is to increase digital inclusion and adoption across the country by creating a conducive environment.

Specific objectives:

1. Increase the digital literacy of the people in the district.
2. Improve infrastructure facilities in the district.
3. Increase contribution to the ICT workforce from the district.
4. Increase technology diffusion and innovations.
5. Increase startups and freelancers.
6. Provide citizen-friendly and citizen-centric public service within the district.

Approach: To begin with, we initiated the creation of Smart Social Circles (SSC), which are IT clubs established at the village level. These circles aimed to empower individuals by training Knowledge Agents (KAs) who consisted of government officers and knowledgeable individuals from within the village. Additionally, we formed District Digital Transformation Committees (DDTC) by involving all key stakeholders within the district. The objective was to ensure an effective and efficient digital transformation of the entire district, guided by the District Digital Readiness Index (DRI). The DRI serves as a national indicator for prioritizing programs, allocating resources, and monitoring the effectiveness of regional-level digital transformation initiatives.

**Website:** https://www.facebook.com/SMARTSocialCircleSriLanka

**Target Beneficiary Groups:** RURL

**WSIS Action Lines:** 4, 6

**SDGs:** SDG1, SDG4, SDG5, SDG8, SDG9, SDG10, SDG17

**Stakeholder Type:** Civil Society

**Country, Region:** Sri Lanka, Asia and Pacific
Title: Developers' Hub (D'Hub)

Entity Name: Ministry of Digital Transformation (MDT)

Description: D'Hub is a key initiative of the MDT designed to empower local developers with the tools, resources and support needed to drive innovative and impactful digital solutions for Trinidad & Tobago and the rest of the world. It is an ecosystem of digital technology, services and support intended to: Improve and expand local software development capabilities, encourage innovation and strengthen entrepreneurship in the digital sector, grow the digital economy and its contribution to GDP, build innovative digital solutions for Government to advance the digital transformation agenda and create and support new career paths for citizens.

Key Accomplishments to date:

- In less than 4 months of its launch, D'Hub surpassed its target of 400 members for its 1st year. To date membership is 683.
- Female participation has steadily increased and is now at 30%. With current plans, we hope to increase this amount to 50% in the near future.
- Age is no barrier
- D'Hub has members of ages 18 to 60+
• D'Hub has garnered members across the nation, reflecting a widespread geographic outreach and diverse representation.

• There have been 234 enrollments in Linux Foundation Courses & Uptake of 42 SimpliLearn Licenses and 94 Coursera Licenses by D'Hub members thus far. Additional licenses will be distributed in the upcoming months.

• Government Agencies have started to embrace the GovTech Approach - 12 Challenges were received and 5 Shortlisted.

• 50 Proposals received from D'Hub members (total of 61 participants)

• 15 Teams selected and awarded TT$50,000 to develop their idea into a Proof of Concept (POC) (total of 29 participants)

• 15 POCs completed and currently being evaluated for an award of TT$350,000 to develop into MVP.

It's worthwhile to mention also that D'Hub received the Inter-American Development Bank's President's Award for Innovation in the Public Sector, highlighting its commitment to innovation and the government's dedication to digital transformation in T&T.

Website: https://dhub.mdt.gov.tt/

Target Beneficiary Groups: YOUTH, OLDP, WOMN, DISB, UNEMP

WSIS Action Lines: 1, 4, 6, GOV, BUS, LEA, HEA, EMP, ENV

SDGs: SDG4, SDG5, SDG8, SDG9, SDG17

Stakeholder Type: Government

Country, Region: Trinidad and Tobago, Latin America and the Caribbean

Title: «TAZALAU» SOLVENCY RECOVERY, OUT-OF-COURT OR JUDICIAL BANKRUPTCY SERVICE ("TAZALAU" BANKRUPTCY SERVICE)

Entity Name: Ministry of Finance of the Republic of Kazakhstan (MF RK)

Description: On December 30, 2022, the Head of State signed the Law of the Republic of Kazakhstan "On Restoration of Solvency and Bankruptcy of citizens of the Republic of Kazakhstan" (hereinafter - the Law).
Bankruptcy of individuals is a legally established way to settle debt obligations to creditors for citizens who find it difficult to fulfill obligations to pay loans and microloans.

On March 3, 2023, the electronic acceptance of applications for out-of-court bankruptcy started. The result for the applicant, with good faith, is the complete cancellation of the debt in case it is impossible to repay it.

Applications for the application of out-of-court bankruptcy are considered by the state revenue authorities through the Service of interaction of participants in the procedures for restoring solvency, out-of-court or judicial bankruptcy "Tazalau". For reference. The name of the service "Tazalau" is translated from Kazakh as "purification", "liberation".

The service of interaction of participants in the procedures for restoring solvency, out-of-court or judicial bankruptcy "Tazalau" is designed to automate:

- The processes of processing applications of citizens of the Republic of Kazakhstan for out-of-court bankruptcy;
- Conducting their scoring through integration with government databases and credit bureaus;
- Recognition of debtors as bankrupt

The aim of the project is to automate business processes from filing an application to making a final decision regarding the debtor. The Tazalau interaction service for participants in the procedures for restoring solvency, out-of-court or judicial bankruptcy is integrated with 30 information systems and databases of government agencies and organizations.

Website: https://tazalau.qoldau.kz/ru/info

Target Beneficiary Groups: N/A

WSIS Action Lines: 1, 2, 6

SDGs: SDG1, SDG8, SDG16, SDG17

Stakeholder Type: Government

Country, Region: Kazakhstan, Asia and Pacific
Title: Regulatory Decision-Maked on SDGs

Entity Name: National Telecommunication Agency (Anatel)

Description: Some of the decisions and their analysis handed down by ANATEL’s Board of Commissioners are dedicated to whether the proposed decision or direction contributes to the achievement of the United Nations 2030 Agenda. This is one of the initiatives to effectively implement the Sustainable Development Goals (SDGs) established by the United Nations 2030 Agenda as a basis for decision-making. The practice of particular conduct or the assessment of a regulatory topic should be based not only on the point of view of current national legislation but, above all, on whether it promotes or is an obstacle to the implementation of the SDGs in the country.

With such a stance, it is important to establish an institutional culture in bodies and entities for the internal implementation of the SDGs of the 2030 Agenda. Some initiatives that the ANATEL is carrying out, such as the institution of the commission responsible for drafting the Anatel public competition that, out of six members, five are women, as well as the need to observe gender equality in events promoted internally. Other initiatives are related to imposing regulatory sanctions framed as obligations of infrastructure deployment in remote areas.

These are some of the actions and initiatives that seek to demonstrate and assist in the implementation of the United Nations 2030 Agenda.
Title: Visual Pollution Detection Tool

Entity Name: Saudi Data & AI Authority (SDAIA)

Description: The AI visual pollution detection tool developed by the Saudi Data and AI Authority aims to address the problem of visual pollution as part of the Smart City strategy carried out by the Saudi government. The tool leverages AI techniques to identify and categorize instances of visual pollution in images or videos. In this context visual pollution refers to the presence of unsightly or disruptive elements, such as construction left-over, graffiti, and waste which can negatively impact aesthetics, livability, and overall well-being.

The tool operates in twofold: first, to automatically detect and recognize visual pollution in visual content, and second, to classify the detected instances into specific categories. By automating the detection process, the tool offers a scalable and efficient solution for monitoring and managing visual pollution.
The approach involves training a deep learning model using a large dataset of labeled images or videos. The images are collected by street view cars that roam the city of Riyadh and parts of Jeddah collecting images and video streams regularly. The model learns to identify visual pollution by extracting relevant features and patterns from the input data.

The impact of the tool has been growing to be more significant. By providing automated and accurate detection of visual pollution, it enables urban planners, environmental agencies, and city authorities to assess the extent and severity of the problem. This information has facilitated targeted interventions and policies to mitigate visual pollution through the Ministry of Municipal and Rural Affairs and Housing. The tool significantly enhanced operational efficiency with a lower cost model for the associated human-operations of the detection and mitigation.

Additionally, the tool can support research and analysis by providing valuable data. This information can aid in identifying hotspots, evaluating the effectiveness of remediation efforts, and developing strategies for sustainable urban planning.

Website: https://www.momrah.gov.sa/ar/ncvp

Target Beneficiary Groups: N/A

WSIS Action Lines: 1, 2, 6

SDGs: SDG9, SDG11

Stakeholder Type: Government

Country, Region: Saudi Arabia, Asia and Pacific
Title: stc Diversity & Inclusion Strategy (D&I Strategy)

Entity Name: Saudi Telecom Company (stc)

Description: We recognize that fostering diversity and inclusion unlocks unique opportunities by involving everyone. To enhance innovation, productivity, and deliver exceptional goods and services to our consumers, our company seeks diversity across various dimensions, including our workforce, services, products, and customer base. This diversity mirrors the rich environment in which we operate. To realize our goal of establishing a diverse and engaged workforce, a comprehensive diversity and inclusion strategy is essential. This strategy will serve as a blueprint, guiding us in creating an inclusive workplace where every individual feels valued and welcomed.

Website: https://www.stc.com.sa/content/stcgroupwebsite/sa/en/equity-empowerment.html

Target Beneficiary Groups: YOUTH

WSIS Action Lines: 6, 8

SDGs: SDG4, SDG5

Stakeholder Type: Private Sector

Country, Region: Saudi Arabia, Asia and Pacific

Title: eJustice Qatar: Pioneering the Digital Frontier (Q eJustice)

Entity Name: supreme judiciary council (SJC)
**Description:** eJustice Qatar: Pioneering the Digital Frontier encapsulates Qatar’s Supreme Judiciary Council’s groundbreaking journey towards a digitally transformed judicial system. This initiative marks a significant leap into the future, as the country embraces innovative technologies to enhance efficiency, accessibility, and transparency within the legal framework.

The program focuses on integrating cutting-edge digital tools and technologies to streamline judicial processes, from case management to court proceedings. Through the implementation of robust e-justice solutions, Qatar aims to establish a more responsive and agile judiciary, ensuring swift and fair resolution of legal matters.

eJustice Qatar emphasizes the adoption of state-of-the-art technologies such as electronic case filing, digital evidence management, and virtual courtrooms. This not only accelerates the pace of legal proceedings but also facilitates seamless communication and collaboration among legal professionals, litigants, and the judiciary.

The initiative is committed to safeguarding the principles of justice while harnessing the power of digital innovation. It envisions a legal landscape where technology is leveraged to improve access to justice, enhance legal decision-making, and uphold the rule of law. eJustice Qatar: Pioneering the Digital Frontier is more than just a technological evolution; it represents a commitment to shaping a modern, efficient, and transparent judicial system that meets the evolving needs of Qatar’s society in the digital age.

**Website:** https://www.sjc.gov.qa

**Target Beneficiary Groups:** INDG

**WSIS Action Lines:** 1, 2, 3, 5, 6, GOV, 10, 11

**SDGs:** SDG16

**Stakeholder Type:** Government

**Country, Region:** Qatar, Asia and Pacific
Description: The Royal Commission in Jazan has launched a transformative digital initiative to enhance the efficiency of procurement and contracting processes. The project's primary objectives include standardizing procedures through the creation of a unified system for competitions and purchases, promoting effective coordination among diverse.

Through the modernization of work procedures and models, the project aims to elevate the effectiveness of procurement and contracting operations, thereby improving overall performance and ensuring higher quality outcomes. A focus on strengthening control and auditing systems for purchasing operations underscores the commitment to system compliance, integrity, and heightened operational efficiency.

The initiative anticipates economic returns by optimizing performance and minimizing time, effort, and costs. Transparency and anti-corruption measures are integral components, fostering justice and transparency in procurement operations and actively contributing to the fight against financial and administrative corruption.

Moreover, the project prioritizes communication and collaboration, encouraging continuous information sharing among different departments within the Royal Commission. In summary, this comprehensive digital transformation project in Jazan is poised to enhance procurement performance, streamline contract management, and significantly impact the city's economic and administrative objectives. The initiative reflects a
commitment to leveraging technology for efficiency gains and fostering transparency and integrity in procurement processes

Website: https://jazanpl.rcjy.gov.sa/

Target Beneficiary Groups: N/A

WSIS Action Lines: 1, 6, GOV

SDGs: SDG8, SDG9, SDG11, SDG12, SDG16, SDG17

Stakeholder Type: Government

Country, Region: Saudi Arabia, Asia and Pacific

Title: Rental Contract (Tajeer)

Entity Name: ELM

Description: The car rental sector is a vital and essential sector. So, we introduced "Tajeer" Rental Contract project. An easy-to-access platform that helps you systematize car rental operations and issue unified rental contracts to preserve all relevant parties' rights. All procedures are developed within a regulatory framework that enables the Transport General Authority and relevant authorities to implement their regulation through a standardized and advanced system. Tajeer Linking you to relevant government entities by verifying any establishment's validity as well as the renter's validity.
Title: Action Plan to Combat the Use of Clandestine Decoders of the Conditional Access Service (SeAC) (Clandestine Decoders Combat Plan)

Entity Name: National Telecommunication Agency (Anatel)

Description: The project aims to improve the inspection activities related to the use and sale of unapproved TV Box devices. It envisions carrying out procedures for blocking or redirecting content traffic and encryption keys for the Conditional Access Service – SeAC (pay TV) on these devices.

The objective is, through administrative measures, to act more quickly, compatible with the agility of suppliers of clandestine products. This is expected to significantly impair the functioning of this equipment and discourage its use, aiming to:

- reduce the risks to telecommunications networks;
- increase users’ physical and data security;
- reduce the clandestine SeAC provision;
• improve the competitive balance of the audiovisual market by reducing irregular content offers.

Reverse engineering studies, carried out between 2021 and 2022, found the presence of malicious software capable of allowing criminals to take control of the TV box to capture user data and information, such as financial records or files and photos that are stored on devices that share the same network. Tests also verified that malware, via botnet, allow the remote operation of installed applications and the carrying out of distributed denial of service attacks, with risks to public and private institutions.

As part of the project, based on a partnership with the Brazilian Pay Television Association (ABTA), Anatel opened an Anti-Piracy Laboratory, specialized in analyzing TV Box equipment used to capture channels and subscription content clandestinely. The Laboratory has the capacity to analyze up to one hundred pirated pieces of equipment simultaneously.

**Website:** https://www.gov.br/anatel/pt-br/regulado/fiscalizacao/combate-a-pirataria

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 2, 6, GOV

**SDGs:** SDG9, SDG12, SDG17

**Stakeholder Type:** Government

**Country, Region:** Brazil, Latin America and the Caribbean
Title: Electronic Hearing Information System (e-Hearing)

Entity Name: Directorate General for Information Technologies, Ministry of Justice, Türkiye (MoJ DGIT)

Description: E-Hearing project is developed to ensure the remote-participation in hearings of civil courts by parties, lawyers, experts and other participants through the method of video-conferencing in cases where physical participation is challenging. The project, which is built on an open-source coded structure, is designed to adapt to volatile internet connection speeds. The system, which is supported with cutting-edge technological solutions such as video streaming in 720p HD resolution and VP9 SVC video codec, is built on a container architecture and is horizontally scalable, which means that when needed the capacity of the system can be easily increased. The project expedited the court processes by ensuring participating in the court hearings in an electronic environment, saved expenses of transportation and accommodation, decreased traffic density in metropolitan cities making a contribution to the ecosystem of the city and ensuring that the court processes are not hampered during the pandemic. The project, which started with 5 pilot courts, is now used actively in 2,881 courts and more than 1 million hearings have been carried out in the electronic environment and it saved approximately $7.3 billion USD to the benefit of the public. The e-Hearing Project was awarded with the IT Service Award in the 40th National IT Congress which was held by the IT Association of Türkiye.

Website: https://bigm.adalet.gov.tr

Target Beneficiary Groups: N/A

WSIS Action Lines: 2, 5, 6, GOV

SDGs: SDG3, SDG8, SDG10, SDG16, SDG17

Stakeholder Type: Government

Country, Region: Türkiye (Republic of), Western Europe and North America
WSIS Action Line C7.

ICT Applications: E-Government

**Title:** ID Gov

**Entity Name:** Administrative Modernization Agency (AMA)

**Description:** The project aimed to develop a digital wallet which could enable citizens to generate, access and share their digital versions at any moment. These documents would be certified and share legal validity with their physical versions. ID.GOV.PT is designed to be a simple and secure app, that uses the Interoperability Platform of the Public Administration (iAP) to gather the citizen’s personal data from the national base registries. Citizens need to manage numerous personal documents in their daily lives to access...
services, engage in public initiatives and interact with authorities. From the citizen’s perspective, accessing and using different legal documents through their smartphones brings convenience, simplify administrative burden and is time-saving. Through ID.GOV.PT any citizen can identify himself with both public and private authorities, in a very convenient way.

It aims to simplify citizens’ relationship with the State, responding to their needs through the convenience of a mobile device. From the authorities’ perspective, the app allows online and real-time validation of the digital documents through a reliable, simple and quick mechanism.

To promote its adoption and support users, the national public services portal ePortugal and AMA’s Contact Centre provide support and clarify any doubts users might have on ID.GOV.PT. Usability was also conceived and tested to optimize users’ experience and accessibility since the application has a clear and simple design, with screens adapted to the various sizes of smartphones.

Website: https://id.gov.pt/

Target Beneficiary Groups: N/A

WSIS Action Lines: 1, GOV

SDGs: SDG3, SDG9, SDG17

Stakeholder Type: Government

Country, Region: Portugal, Western Europe and North America
Title: Revolutionising Government's Procurement: Introducing JET (JKR E-Tendering System)

Entity Name: JABATAN KERJA RAYA (JKR)

Description: Born in the pandemic, JET reimagines public works procurement. Ditching paper and embracing MyDIGITAL's vision, JET digitizes the entire tender journey, from publishing opportunities to announcing champions. This seamless experience empowers the Public Works Department (PWD) of Malaysia to achieve our digitalization goals, streamlining processes, boosting efficiency, and ensuring transparency.

JET unlocks not only domestic opportunities but also the borderless landscape of the Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP). PWD can leverage this advantage to foster international partnerships, access global expertise, and thrive in a dynamic global economy.

These paperless workflows will save time and money with the audacity to increase transparency and auditability. Clear communication channels within the system ensure everyone stays informed on updates, clarifications, fostering trust and collaboration. Robust security measures and encryption protect sensitive data, with a complete audit trail provides accountability and peace of mind. JET’s transformative potential will streamline with Malaysia Digital Economy Blueprint (MyDigital) that delineates our goals of making Malaysia a digitally-driven country and a regional leader in the digital economy. JET’s paperless workflows minimize environmental impact by adhering to the world green aspirations goal. JET transformed the Government’s traditional procurement method by digitalizing the process to beat the outdated.

An End to end E-Tendering System isn’t just a pandemic solution; it's the future of procurement; it empowers both government and contractors to thrive in today's dynamic business environment.

Website: https://tender.jkr.gov.my/

Target Beneficiary Groups: N/A

WSIS Action Lines: GOV

SDGs: SDG9
Title: "MyGov"

Entity Name: Innovation and Digital Development Agency (IDDA)

Description: "myGov" platform is a pioneering government concept that seamlessly integrates citizens, state entities, and businesses onto a unified electronic service platform. This innovative system aims to provide a comprehensive array of cutting-edge digital services, fostering collaboration and efficiency. Through the "myGov" portal, citizens gain access to information provided by government agencies, enabling them to engage with services electronically, acquire e-documents, verify the accuracy of their information, and seamlessly manage the process of sharing their data with other institutions.

Website: https://mygov.e-gov.az/

Target Beneficiary Groups: YOUTH, OLDP, WOMN, DISB, UNEMP, REFG

WSIS Action Lines: GOV

SDGs: SDG9

Stakeholder Type: Government

Country, Region: Azerbaijan, Eastern Europe
Title: Qiwa

Entity Name: Ministry of Human Resources and Social Development (HRSD)

Description: Qiwa is a national platform that aims to have a digital transformation of all services of the HRSD and TAKAMOL with respect to the labor sector, including work permits management, contracts management, expats visas management. It achieves this objective through automation and revision of the whole business process to achieve the intended outcomes in a very seamless digital process. It achieved that through a number of key transformations in some of the main services of Qiwa such as the expat workers visa process, from a process that takes months to complete to an instantaneous process that helped the businesses to grow. All of these transformations and others were achieved with the principle of abolishing all manual interventions to be more creative and think out of the box to reach instantaneous services that have a smooth and positive experience for the labor market.

Qiwa Project's Objectives: Qiwa project aims to digitally transform labor sector services. Its primary objectives include automating and streamlining processes like work permits, contracts, and expatriate visas management, and overhauling the business processes to ensure a seamless digital experience.

Results Achieved: Qiwa's implementation has led to significant improvements in service delivery. Notably, the expatriate workers' visa process has been accelerated from a
prolonged procedure to an instantaneous one. Additionally, the introduction of the freedom of mobility initiative has improved the experience for expatriate workers, allowing them easier transitions between employers.

Impact Generated: Qiwa platform has had a profound impact on the Saudi labor market. It has facilitated the settlement of thousands of jobs, boosted private sector growth, and enhanced labor market efficiency. By reducing manual interventions and embracing innovative digital solutions, Qiwa has contributed to creating a more dynamic, integrated, and competitive labor market, aligning with Saudi Arabia’s broader economic objectives.

Qiwa / Takamol Holding websites.

Website: https://qiwa.sa/en

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, DISB, UNEMP

WSIS Action Lines: 2, 3, 4, GOV

SDGs: SDG8, SDG9, SDG10, SDG17

Stakeholder Type: Government

Country, Region: Saudi Arabia, Asia and Pacific

Title: UNJSPF Digital Certificate of Entitlement (UNJSPF – DCE)

Entity Name: United Nations Joint Staff Pension Fund (UNJSPF)

Description: Each year the United Nations Joint Staff Pension Fund (UNJSPF) conducts an exercise to verify the continuing eligibility of UN retirees/beneficiaries to the benefits they are receiving. As part of this exercise, each individual in receipt of a benefit must submit an annual proof of existence. The UNJSPF Digital Certificate of Entitlement (DCE) app, launched in 2021, with the support of the United Nations International Computing Centre (UNICCC), addresses this challenge of verifying the identity and location of UNJSPF retirees/beneficiaries worldwide. This state-of-the-art mobile authentication solution leverages blockchain, biometrics/facial recognition, and global positioning technologies.

The DCE offers a secure, efficient, and eco-friendly alternative to the traditional paper-based proof-of-existence exercise. It allows retirees and beneficiaries to complete the
exercise using their mobile devices, either on or off-line, eliminating the need for paper and postal services, with a secure identity verification conducted through facial recognition. Aligned with the UNJSPF strategy to enhance client experience and modernize services, as of November 2023, over 40% of the retiree and beneficiary population has enrolled in the DCE app.

**Website:** https://www.unjspf.org/for-clients/digital-certificate-of-entitlement/

**Target Beneficiary Groups:** N/A

**WSIS Action Lines:** 1, 5, GOV, BUS, 8, 10

**SDGs:** SDG3, SDG9, SDG10, SDG16, SDG17

**Stakeholder Type:** International Organization

**Country, Region:** United States of America, Western Europe and North America

---

**Title:** Diia.Engine Platform

**Entity Name:** Ministry of Digital Transformation of Ukraine (MDTU)

**Description:** Diia.Engine is a coherent, secure and fully integrated toolbox for developing, launching and operating digital registers and public services. Digital registers and the public services that are built on it can be developed together, both front-end and back-end at the same time. Development and hosting of digital public services is simple, fast and cost-effective.
Diia.Engine can be used at all administrative levels and across different sectors. Its functions are flexible and can be localized or customized to the specific needs. It is interoperable by design and can therefore be easily connected to or integrated into existing digital systems and tools, for example with identity systems, electronic signatures or data exchanges.

The platform uses open-source technologies, so no license fees apply. A ‘low-code’ environment enables the creation of fully-functional services without the need for expensive software programming skills. The only requirement is a short training course that is provided with the Diia.Engine installer.

Website: https://diia-engine.github.io/diia-engine-documentation/en/platform/1.9.6/index.html

Target Beneficiary Groups: N/A

WSIS Action Lines: 2, 4, GOV, 11

SDGs: SDG9, SDG10, SDG11, SDG16

Stakeholder Type: Government

Country, Region: Ukraine, Eastern Europe

Title: e-Causelist for the Judiciary of Bangladesh (e-Causelist)

Entity Name: Aspire to Innovate (a2i) Programme (a2i)

Description: The Bangladesh Judiciary has experienced a transformative shift from a traditional paper-based system to a digital one, spearheaded by the Aspire to Innovate (a2i) Programme of the Bangladesh government. On June 11, 2022, the government launched the e-Causelist system, which is now operational in over 2000 courts across Bangladesh. Simultaneously, a2i introduced the Amar Adalat (myCourt) mobile app, elevating citizen engagement and personalizing information channels.

This transition from handwritten to a centralized, online e-Causelist platform marks a significant advancement, accessible through both web and app interfaces. The impact is profound, reducing citizens' time, costs, and physical visits while elevating the overall quality of judicial services. The mission behind this initiative is to modernize the judiciary, ensuring the accessibility of justice, minimizing case backlogs, and fostering transparency
and accountability. By empowering citizens with timely information, the project contributes to a more efficient and responsive judicial system.

The e-Causelist implementation in the Bangladesh Judiciary has revolutionized the legal landscape, introducing efficiency, transparency, and accessibility. Its user-friendly interface serves as a centralized platform for citizens, lawyers, and litigants, offering easy access to critical case details and consequently reducing time, cost, and stress. Across 2959 courts, the system has facilitated over 11 million hearings and effectively managed 2.8 million cases, playing a pivotal role in alleviating backlogs and establishing a more inclusive judicial system. Whereas, the Amar Adalat mobile app ensures global accessibility, making the e-Causelist readily available and reducing dependency on physical infrastructure. Overall, these initiative stands as a testament to the potential of technology in advancing judicial processes and enhancing the overall efficiency and effectiveness of legal frameworks.

**Website:** https://causelist.judiciary.gov.bd/

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, RURL

**WSIS Action Lines:** 1, 2, 3, 4, 6, GOV, 10

**SDGs:** SDG16

**Stakeholder Type:** Government

**Country, Region:** Bangladesh, Asia and Pacific
Title: Government Data Exchange (GDX)

Entity Name: Ministry of Communication and Information Technology (MCIT)

Description: Government Data Exchange system helps government entities to raise their efficiency and improve the collaboration between them to provide services to the public. Through this centralized back-end data exchange system, entities no longer require the public to submit hardcopy of documents for verification purposes. Such verifications can be done through this system directly with the data sources entities, therefore increasing the entities to deliver end-to-end e-Services to the public.

The system aims to accomplish that by providing the needed tools and data standardization to the government entities to enable data exchange in a secure and effective way.

Website: https://portal.gdx.gov.qa/consumer/

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

WSIS Action Lines: 1, 2, 3, 4, 5, 6, GOV, BUS, LEA, HEA, EMP, ENV, 8, 11

SDGs: SDG8, SDG9, SDG12, SDG17

Stakeholder Type: Government

Country, Region: Qatar, Asia and Pacific

Title: eLGU-IBPLS: Streamlining the Process of Business Permits and Licenses for Business Owners in the MIMAROPA Region (eLGU-IBPLS)

2024 CHAMPION
**Entity Name:** Department of Information and Communications Technology - MIMAROPA Region (DICT MIMAROPA)

**Description:** Between 2015 and 2016, the Philippines faced a setback in its global business ranking, dropping from 97th to 103rd in the World Bank International Finance Corporation Ease of Doing Business Report. The challenges were evident in the inhospitable business environment, characterized by slow and expensive processes for obtaining business permits and licenses. These challenges made it difficult for businesses, affecting their ability to start and operate smoothly.

To address this, the Philippine Government enacted the Ease of Doing Business Act, and the Department of Information and Communications Technology (DICT) developed the Electronic Local Government Unit-Integrated Business Permit and Licensing System (eLGU-IBPLS) to streamline and digitize the processing of various permits and clearances for Local Government Units (LGUs).

In MIMAROPA region alone, the eLGU-IBPLS was adopted by 53 out of 73 LGUs leading to impressive records of 10%-634% increase in revenue of local economies. LGUs also significantly reduced their processing time from 7-2 working days shortened to only 2 to 4 hours. This innovative shift also led to a notable 25% - 100% increase in business establishments and trust and transparency in government. Ultimately, eLGU-IBPLS nurtured business-friendly local economies as well as boosted the overall economic growth of the country.

**Website:** [https://www.facebook.com/dictr4b](https://www.facebook.com/dictr4b)

**Target Beneficiary Groups:** RURL

**WSIS Action Lines:** GOV

**SDGs:** SDG2, SDG5, SDG8, SDG9, SDG17

**Stakeholder Type:** Government

**Country, Region:** Philippines, Asia and Pacific
Title: Falcon

Entity Name: Advanced Technology Research Council (ATRC)

Description: Falcon LLM (Large Language Model) is a groundbreaking project aimed at advancing the capabilities of artificial intelligence in natural language understanding and generation. The project’s primary objective is to develop a highly sophisticated language model that can interpret, process, and generate human-like text with unprecedented accuracy and fluency. This involves training the model on vast amounts of diverse textual data, enabling it to learn a wide range of language patterns, contexts, and nuances.

The results achieved by Falcon LLM have been remarkable. The model has demonstrated an ability to perform a variety of complex language tasks with high proficiency. These tasks include translation, summarization, question-answering, and creative writing, among others. Its performance showcases significant improvements in terms of context-awareness, coherency, and relevance of generated text, compared to previous models.

The impact generated by Falcon LLM is far-reaching. It has potential applications in numerous fields such as education, customer service, content creation, and more. In educational settings, it can assist in personalized learning and tutoring. In customer service, it can power sophisticated chatbots for efficient customer interaction. For content creators,
it offers tools for rapid and creative content generation. Furthermore, Falcon LLM’s advanced capabilities have sparked discussions around ethical AI use, data privacy, and the future of human-AI interaction, contributing to important conversations in the tech community.

**Website:** https://falconllm.tii.ae/

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, DISB, UNEMP, POOR, RURL

**WSIS Action Lines:** GOV, BUS, LEA

**SDGs:** SDG4, SDG5, SDG9, SDG17

**Stakeholder Type:** Government

**Country, Region:** United Arab Emirates, Asia and Pacific

---

**Title:** National Business Licensing Portal

**Entity Name:** Information Technology Organization (ITO)

**Description:** The National Business Licensing Portal plays a crucial role in facilitating and expediting the process of obtaining business permits, which is a key indicator in assessing the qualitative aspects of the business environment. This infrastructure provides guidance to permit applicants and tracks the permit issuance process within the relevant executive agencies, following the specified procedures for each type of license.

Given these challenges, the development and implementation of a comprehensive system with the mission of issuing business licenses through a unified portal become imperative.
With the advent of e-government concepts, many organizations have aligned themselves with this paradigm, launching electronic systems to provide services to users. One such system is the National Business Licensing Portal, operating under the Ministry of Economic Affairs and Finance, designed to facilitate the issuance of business licenses.

The Portal, officially launched in 2022, serves to address identified challenges, prevent redundancy, and minimize the overlap of duties and responsibilities among executive bodies. It introduces the legal issuing authority for business licenses, providing information on documents, time, costs, and conditions required for obtaining licenses to simplify and streamline the application and receipt of business licenses.

Economic, social, and environmental impacts of the National Business Licensing Portal, both quantitatively and qualitatively, are essential considerations.

**Website:** https://mojavez.ir/

**Target Beneficiary Groups:** N/A

**WSIS Action Lines:** 1, GOV

**SDGs:** SDG9, SDG10, SDG11

**Stakeholder Type:** Government

**Country, Region:** Iran (Islamic Republic of), Asia and Pacific
Title: Cider

Entity Name: Center for Effective Global Action (CEGA), UC Berkeley

Description: In response to the COVID-19, we design Togo’s flagship social protection program, Novissi, using insights from machine learning. Research team then open-sourced the approach, creating Cider, a set of software tools for estimating the poverty status of individuals and households using mobile phone data, for use in the targeting and delivery of humanitarian aid.

The team first began by applying machine learning algorithms to high-resolution satellite imagery to develop micro-estimates of the relative wealth in Togo. This initial step relied on nationally representative survey data from 6,171 Togolese citizens collected before the start of the Covid-19 pandemic in 2018 and 2019. Using these data, the team built an algorithm that could predict relative wealth in Togo at a more granular level than the original survey: the grid predictions were an improvement over the prefecture-level representative sample collected. The team leveraged the models to create initial poverty maps of rural Togo which helped inform the subsequent 2020 phone-based survey sampling strategy and provided the information needed for the Togolese government to geographically target Novissi to the 100 poorest cantons.

The research team buttressed this initial geographic targeting with an additional phone-based survey of a representative sample of 8,915 individual cell phone subscribers in September 2020. The sampling strategy inferred these individuals lived in rural cantons eligible for Novissi from their mobile phone data. As planned, this second survey provided researchers with a more accurate picture of canton-level individual variation in wealth and consumption.

Blumenstock et al found that these algorithms generated estimates that correlated strongly with survey and satellite-based estimates of wealth at the canton and prefecture level. Indeed, researchers calculated that this approach improved the precision of the social assistance program targeting by 42% relative to a naive geographic targeting of the 100 poorest cantons in Togo.

Website: https://app.digitalpublicgoods.net/a/10169

Target Beneficiary Groups: POOR, RURL
Title: Modular Open Source Identity Platform

Entity Name: Modular Open Source Identity Platform (MOSIP)

Description: The Modular Open Source Identity Platform (MOSIP) is a university-incubated, not-for-profit, global Digital Public Good. MOSIP technology enables countries and other user organisations to build, deploy, and own robust, customisable, cost-effective, and vendor-neutral digital ID systems.

Over five years of iterative efforts, MOSIP has developed loosely-coupled modular components, designed to provide the services relevant to a population-scale ID system. ID systems built on MOSIP enable:

- Collection and deduplication of demographic and biometric information
- Issuance of a random, unique number as an identifier
- Online or offline secure digital authentication for service delivery
- The meeting of eKYC requirements for financial inclusion

The objectives of MOSIP include:

- To develop and evolve an open-source identity platform based on the universally accepted principles of “identity for sustainable development”.
- To make such a system customizable, easily implementable, and maintainable by countries, helping them attain Free and Universal Legal Identity.
- To identify and nurture enterprises that can provide technological support to countries adopting MOSIP, including biometric solution providers and system integrators.
- To nurture a strong, open-source developer community that will contribute to the evolution of digital identity and its applications.
- To provide training and capacity-building for personnel in these countries to scale the identity systems.

In addition, MOSIP also enables government ownership of the underlying software solution, mitigating concerns of vendor lock-in.

As of July 2023, MOSIP is engaged with 11 countries at varying stages of adoption:

- National Deployment: Morocco, Philippines, and Ethiopia, (registration of 92 million+ residents on foundational ID systems across the 3 nations)
- Preparing for National Rollouts: Togo, Sri Lanka, and Uganda
- Pilot Stage: Sierra Leone, Burkina Faso, Madagascar, Niger, Guinea
- University Deployment: UNRaF, Argentina

Website: http://www.mosip.io

Target Beneficiary Groups: N/A

WSIS Action Lines: GOV

SDGs: SDG1, SDG2, SDG3, SDG5, SDG8, SDG9, SDG10, SDG16, SDG17

Stakeholder Type: Academia

Country, Region: India, Asia and Pacific
Title: Consul Democracy: Participation for ever (CD)

Entity Name: Consul Democracy Foundation

Description: The Consul Democracy (CD) is a groundbreaking initiative aimed at promoting citizen participation and direct democracy in governance. With a strong emphasis on citizen participation and direct democracy, the project aims to empower governments worldwide. Started in 2015 in Spain (therefore it won the United Nations Public Service Award 2018), it includes now also regions from the Global South and conflict-affected areas like Somalia. Another milestone was the registration and certification of our software by the Digital Public Good Alliance.

At its core, the project seeks to enhance public engagement in decision-making processes, facilitating the co-creation of policies that address critical social, economic, and environmental challenges. By providing governments with open-source platform, CD, the project enables them to increase the quantity and quality of citizen participation.

Through strategic guidance and practical know-how, the project equips public authorities at national and local levels with the necessary tools to implement effective and credible participation exercises. This approach not only fosters trust in digital participation but also promotes the exchange of best practices among diverse municipalities, inspiring greater adoption of participatory initiatives.

The commitment to open-source technology has further strengthened the project’s reach and impact, as it promotes transparency, collaboration, and knowledge-sharing among governments and institutions globally.
Overall, the Consul Democracy Project's focus demonstrates that it is applicable and adaptable to the needs of all regions of the world. To date, people in more than 40 countries and over 200 cities have had the opportunity to participate digitally in their region's democracy and development through CD. By promoting meaningful participation and informed decision-making, the project contributes to a more just, equitable, and sustainable future for all.

Website: https://consuldemocracy.org/en/

Target Beneficiary Groups: NULL

WSIS Action Lines: 3, 4, GOV, 11

SDGs: SDG5, SDG9, SDG11, SDG16, SDG17

Stakeholder Type: Civil Society

Country, Region: Netherlands, Western Europe and North America

Title: Mty Digital +

Entity Name: Municipality of Monterrey

Description: "Our solution creates a new way of interaction with the government: a decentralized digital identity (IDMty+) and linked digital platform for municipal procedures (Modulo Digital Mty+). A governmental digital platform for procedures brings efficiency, convenience, transparency, and cost savings, while improving access to services and
enhancing the overall citizen experience. This platform will allow reducing the time and costs associated with bureaucracy (red tape problem) when opening a business (foster economic development).

Decentralized digital identity, also known as Web3 identity, is crucial for building digital trust and transforming current identity systems into new collaborative, highly reliable, verifiable, individual-centric, and privacy-focused identity systems. On the other hand, blockchain can provide a solution to the problems of interoperability and lack of agility faced by governments in Latin America. The use of blockchain technologies can reduce infrastructure costs, eliminate unnecessary bureaucracy, and avoid information verification costs.

The project has two main objectives:

a) the implementation of a digital platform that serves as a digital infrastructure to digitize government services in compliance with OECD recommendations (Módulo Digital Mty).

b) the implementation of a Web3 identity for the city, to be used by all citizens to interact with the local government and also the private sector in the near future (banks, universities, etc.). These two implementations are key instruments of reduced bureaucracy, secure data environments, and the unleashing of a new digital economy that leads to higher incomes for all."

Website: https://tramites-monterrey.web.app/

Target Beneficiary Groups: N/A

WSIS Action Lines: GOV

SDGs: SDG8, SDG16

Stakeholder Type: Government

Country, Region: Mexico, Latin America and the Caribbean
Title: Mi Argentina App

Entity Name: Secretariat for Public Innovation of the National Chief of Cabinet of Ministers' Office

Description: Mi Argentina App is the application of the citizen's digital profile developed to bring closer the government to the citizens and facilitate their daily life. It is available in its web version, IOS and Android.

It was designed with the objective of eliminating geographical and bureaucratic barriers and generating access to Government services digitally for Argentine citizens with one session, while offering simplified and digital procedures at a click.

Mi Argentina app was developed based on 4 pillars:

1. reliable digital identification;
2. valid digital credentials;
3. relevant and personal information;
4. easy procedures in one click.

Mi Argentina app has already more than 20 million users (Argentina's population is 46 million people). In addition, the app has 7 entirely digital procedures and more than 25 digital credentials, among which are the ID in digital format, the Covid-19 vaccination certificate, the national driver's license and the unique certificate of disability, among others. All the information about the services offered by Mi Argentina is available here: argentina.gob.ar/miargentina.

Website: https://www.argentina.gob.ar/miargentina

Target Beneficiary Groups: N/A
Title: Opole+ (O+)

Entity Name: Opole City Hall (UMO)

Description: Opole+ is the only tool in Poland that integrates all the main services provided to city residents. It is a mobile application (Android, iOS) and a website with comprehensive access to city services.

The system provides electronic payments in key areas of the city's operation, such as: communication, health, sport, recreation and culture. The application is distinguished by its ergonomics and sales automation, thanks to a network of over 600 transmitters in Opole.

The prepared solutions enable free development of applications, including e-office services.

Basic services:

- Public transport / automatic detection of stops and buses
- Parking Zone / navigating the parking space occupancy map
- Health care / Health Center in Opole, including 5 clinics and 8 specializations
• Municipal Sports and Recreation Center / "Toropol" ice rink, "Akwarium", "Wodna Nuta" swimming pools, "Błękita Fala" summer swimming pool
• Zoo
• Transport of disabled people
• Municipal Public Library
• Waste disposal
• Reporting problems

Main functionalities:

• electronic payments
• city parkings space occupancy map
• automatic detection of objects and buses
• priority and emergency information
• cards of Opolski Senior, Opolska Rodzina, Municipal Public Library
• navigating important points in the city
• latest news and events
• automation of service sales / beacons network, available in most parts of the city covered by the system's functionalities
• personalization of services / personalized shopping and promotional offers based on user preferences
• easy expansion of the offer
• integration with the e-PUAP platform at the level of user identification through the National Node

Website: https://opoleplus.pl

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, DISB

WSIS Action Lines: 1, 2, 3, 5, GOV, HEA, 8, 9

SDGs: SDG3, SDG11

Stakeholder Type: Government

Country, Region: Poland, Eastern Europe
Title: Grassroots governance large model

Entity Name: China Telecommunications Corporation

Description: The grassroots governance model aims to provide intelligent technology to assist in mediating conflicts and disputes, offering legal consultation and document writing services for grassroots governance governments and ordinary people. Through these services, it will help grassroots governments improve their work efficiency, reduce manpower investment, and empower grassroots workers with knowledge. At the same time, it can also provide intelligent legal consulting services for ordinary residents.

Grassroots workers can input current dispute issues into a large model, which will immediately analyze the problem and explain the laws, regulations, and past cases involved in the problem to the questioner. This helps grassroots workers complete the mediation of conflicts and disputes, preventing them from escalating to the litigation stage, thus reducing social risks and hidden dangers, as well as lowering administrative and judicial costs.

Ordinary residents can also consult the big model on legal issues. For example, when residents encounter economic disputes, the big model can provide answer regarding the legal provisions and possible litigation processes involved, and predict possible litigation outcomes and costs through similar cases. This reduces the cost of obtaining legal services for residents and promotes direct reconciliation between the parties.

Website: http://27.150.180.127:10000/chatLogin

Target Beneficiary Groups: YOUTH, OLDP, INDG, DISB, UNEMP, POOR, REFG, RURL

WSIS Action Lines: GOV

SDGs: SDG8, SDG11, SDG16
Stakeholder Type: Civil Society

Country, Region: China, Asia and Pacific

Title: HUKUMATI

Entity Name: ministry of TELECOM & IT (MTIT)

Description: The government E-services platform “Hukumati” is a unified portal and a single sign On (SSO), and it is considered a unified window for government institutions to provide their E-services to citizens and other sectors, it allows citizens to Request government E-services and pay the services’ fees electronically through the E-payment methods available and licensed by the Palestine Monetary Authority. It consists of four main components (the single sign-on system (SSO), the unified portal for government E-services “Hukumati”, the mobile application “Hukumati” and the E-payment gateway) as follow:

Single Sign On

The interface that enables citizen to create his digital identity, where he fills his personal data and then the system matches it with the civil registry at the Ministry of Interior, and then the citizen goes to one of the verification offices available in the Ministry of Interior and in the Palestinian Post offices to verify the citizen’s identity, activate his account, and obtain the user name and password.
The unified Web portal for government E-services

The interface that enables citizen to access the government E-services available to inquire or request E-services and pay their fees electronically, which saves time, effort and money, raises the efficiency and effectiveness of institutions and improves the quality of services provided to the citizen. The citizen can enter the portal after activating his account through the link www.hukumati.ps

Hukumati Mobile App.

The application provides all the features and components available on the unified portal for government E-services and it is available for both smart phone device systems (Android and IOS).

E-payment gateway

The portal that enables financial employees in various government institutions to view all financial transactions and obtain detailed reports on the clearing and settlement operations and bank accounts affiliated with the E-services in each institution.

Website: https://www.palestine.ps/

Target Beneficiary Groups: N/A

WSIS Action Lines: GOV

SDGs: SDG9

Stakeholder Type: Government

Country, Region: Palestine, Western Europe and North America
**Title:** The Kingdom of Bahrain National Portal (bahrain.bh)

**Entity Name:** Information & eGovernment Authority (iGA)

**Description:** The National portal of the Kingdom of Bahrain (Bahrain.bh) is a holistic, one-stop-shop for all national information and government services in one single window. It is the first step for easy access to government information and services. It offers a unified experience across multiple channels for citizen, resident, business owner, or visitor to the Kingdom. It aims to provide high-quality and efficient eServices by facilitating the communication and integrating with various government entities. The National Portal has been developed as part of Bahrain Economic Vision 2030 and is managed by the Information & eGovernment Authority (iGA). The Portal has been developed in line with the Government Action Plan for creating an environment that supports sustainable development, with a focus on enhancing the efficiency and effectiveness of the public sector. It has undergone enhancements including upgrading its infrastructure and technologies to the latest available technologies in the market and follows international website design standards to ensure an optimized user experience, and easy navigation and accessibility to government services for all. Bahrain.bh has the following features:

- Information guide and eServices covering vital sectors in the Kingdom, catering to both individuals, business owners, and visitors.
- Information about plans and strategic projects aligned with Bahrain Economic Vision 2030
- Guides and instructions for using government services
- Statistics on eGovernment channels
- The eGovernment Apps Store, which offers various government mobile apps
- Communication platforms to voice people’s opinions and communicate them with government entities

**Website:**
https://services.bahrain.bh/wps/portal/en/BSP/HomeeServicesPortal/lut/p/z1/04_Sj9CPykssy0xPLMnMz0vMAfljo8ziDT1NDTwsnA0MLEND3QzMLNzdTEzMLLMfcz0w8EKDHAARwP9KGL041EQhd_4cP0ofFY4-ZICFeAxlzixSL8gNzTCIMtEEQAMg8S8/dz/d5/L0IHSkpZQSEhL3dMTUFGa0FFa0EhIS80TIZFL2Vu/https://www.iga.gov.bh/
**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

**WSIS Action Lines:** GOV

**SDGs:** SDG9, SDG16, SDG17

**Stakeholder Type:** Government

**Country, Region:** Bahrain, Asia and Pacific

**Title:** Al-Nadeeb

**Entity Name:** General Authority of Customs (GAC)

**Description:** Al-Nadeeb is a transformative project designed to streamline trade processes and enhance efficiency by consolidating multiple customs-related activities into a unified digital platform. The primary objectives of the initiative include simplifying cross-border trade procedures, reducing bureaucratic complexities, and adopting a more business-friendly environment. By providing a centralized platform for submitting and processing
trade-related documentation, Al-Nadeeb aims to expedite customs clearance, improve transparency, and minimize the time and resources required for international trade transactions.

Since its inception, the project has achieved notable results, significantly reducing processing times for import and export activities. The implementation of Al-Nadeeb has led to enhanced collaboration between government agencies, improved data accuracy, and increased automation of customs procedures. These outcomes have not only facilitated smoother trade operations but also contributed to a more competitive and attractive business environment in line with Qatar’s broader economic goals.

The impact generated by Al-Nadeeb is evident in the increased efficiency of cross-border trade, the reduction of administrative burdens on businesses, and the overall enhancement of the nation's competitiveness in the global market. The initiative stands as a key driver of economic growth and modernization, positioning Qatar as a leader in facilitating seamless and technology-driven international trade.

**Website:** http://www.ecustoms.gov.qa

**Target Beneficiary Groups:** N/A

**WSIS Action Lines:** 1, 3, 4, 5, GOV, BUS, 11

**SDGs:** SDG8, SDG9, SDG11, SDG17

**Stakeholder Type:** Government

**Country, Region:** Qatar, Asia and Pacific
Title: Qatar Real Estate Platform

Entity Name: The Ministry of Municipal (mm)

Description: The first phase of the real estate platform includes providing more than 80 KPIs distributed across several interactive screens through a central platform that provides indicators to stakeholders in the real estate sector by collecting and analyzing real estate data from various relevant entities in the State of Qatar. The first phase of the platform serves as the cornerstone upon which subsequent stages are built to complete the development of the real estate platform in its final form by fully integrating all systems related to the state and then providing all real estate services within this platform.

Various entities benefit from the real estate platform such as property owners, investors, tenants, real estate developers inside and outside the country, real estate valuation companies, banks, real estate brokers, and others.

The aim of the real estate platform is to enhance transparency levels for those working in the real estate sector, facilitate decision-making based on accurate data, and provide the ability to envision the current situation and anticipate the future.

Website: https://qrep.mm.gov.qa/home

Target Beneficiary Groups: YOUTH, OLDP, WOMN, UNEMP, POOR

WSIS Action Lines: 1, 3, BUS, LEA

SDGs: SDG9

Stakeholder Type: Government

Country, Region: Qatar, Asia and Pacific
Title: Analytical Portal (Bayanat) (XBRL)

Entity Name: Capital Market Authority (CMA)

Description: Bayanat (XBRL-extensible Business Reporting Language) is the open international standard for digital business reporting that has been especially developed to support the communication and exchange of information and data (both financial and non-financial) between the different entities (Listed and License Companies) in the economy. Entities submits their financial result quarterly and yearly then verified by approved Auditors. System integrated with different Authorities like MSX and MCD and SSO implemented for all reporting entities. It ensures availability of accurate & reliable financial information in a timely manner to all the relevant stakeholders with support of analytical tool & dashboard (MSPowerBI).

Website: https://bi.bayanat.gov.om/

Target Beneficiary Groups: N/A

WSIS Action Lines: BUS

SDGs: SDG8

Stakeholder Type: Government

Country, Region: Qatar, Asia and Pacific
Title: Digital Human Livestream for Agricultural Assistance

Entity Name: China Mobile (Zhejiang) Innovation Research Institute

Description: The goal of the Digital Human Livestream for Agricultural Assistance project is to utilize digital avatars for online livestreaming, selling agricultural products, showcasing rural cultural tourism, promoting the national sales of agricultural products, and increasing farmers' income. By integrating advanced digital technologies, the project aims to broaden the market reach of agricultural products, thereby fostering sustainable development in agriculture.

The project falls under ICT applications: E-business, as referenced in the Geneva Plan of Action, as both digital human livestreaming for product promotion and online sales of agricultural products are integral components of E-business.

Through livestreaming with digital humans, the project not only diversifies the sales channels for agricultural products, effectively increasing farmers' income, but also highlights the beauty and culture of rural areas, promoting the development of rural tourism and contributing to the revitalization of agriculture and rural economies. The project has a positive impact on achieving the United Nations Sustainable Development Goals, particularly in areas such as poverty reduction, promoting sustainable agriculture, and improving the quality of rural life. The successful experience of this project indicates its high replicability. Our technology and operational model can provide similar digital marketing and sales opportunities for other agricultural communities, thus promoting sustainable agriculture on a broader scale.

The successful experience of this project shows that the model is highly replicable. Our technology and operating model can provide other agricultural communities with similar digital marketing and sales opportunities, thereby promoting the sustainable development of agriculture on a broader scale.

Website: https://www.ailab-zj.com/#/home

Target Beneficiary Groups: OLDP, POOR, REFG

WSIS Action Lines: BUS

SDGs: SDG1, SDG2

Stakeholder Type: Civil Society
Title: BAKTI Impact Adventures

Entity Name: BAKTI Kominfo

Description: “BAKTI Impact Adventures implemented several interventions since 2019 to assist the local communities and tourism business actors through complementary activities, which included two main pillars: First, promotion and inclusion of community-based tourism businesses to online tourism platform and marketplace. Approximately ~200 local wisdom-based tourism packages are marketed, and 500 inventories of local tourism businesses are exhibited in digital platform for tourism. Second, capacity building for tourism actors and stakeholders, which included training for tourism actors to develop and sell attractive 360 Virtual Reality Tour packages and foreign language (English) training. A total of 250 people received this training producing more than 200 tour packages.

In a relatively short period of time, BAKTI Impact Adventure managed to achieve tangible results for the program beneficiaries. Several local tour operators and guides as training recipients have been able to apply their newly obtained skills and knowledge in creating virtual tour products and receive income from the sales and rental of the virtual tour packages. In addition to this, the program also resulted other positive effects, in which the
beneficiaries found motivation and confidence to creatively develop attractive virtual tour products and disseminate their knowledge to the youth in their own communities.

In 2022, our program has attracted Australian and Malaysian travelers to visit remote areas in Eastern Indonesia, particularly Labuan Bajo (East Nusa Tenggara) and Raja Ampat (Papua) where COVID-19 pandemic had previously hit local economy the hardest. Slowly, the trend was followed by the flux domestic travelers who have gained more confidence in experiencing adventure tourism when pandemic status was finally lifted off by the government. Local economy has begun to rebound and hospitality industry once again became the main source of income to community and local government.”

Website:
https://drive.google.com/drive/folders/1BKRnUaaazCFZf4FdtKRZH6lNw28JyPw9O?usp=sharing

Target Beneficiary Groups: RURL

WSIS Action Lines: 4, BUS

SDGs: SDG1, SDG4, SDG8, SDG10, SDG13, SDG17

Stakeholder Type: Government

Country, Region: Indonesia, Asia and Pacific

Title: Wage Protection Service (Musand)

Entity Name: Human Resource and Social Development (HRSD)

Description: The Wage Protection service was built to increase transparency of financial transactions and to decrease cash transactions as per one of Vision 2030’s objectives. The service is provided to end users (employers) by our partners STC Pay and Urpay. The service allows transfer of domestic labor salaries through digital wallets and acts as proof of payment for employers.

Main objectives: Creating a functionally safe environment to achieve the Kingdom’s vision Strengthening the Kingdom of Saudi Arabia’s human rights image and reducing cases of human trafficking Providing transparency in financial transactions between related parties Preserving the rights of the parties to the contractual relationship
Contributing to achieving the Saudi payments strategy to lead the growth of a cashless society

**Website:** https://musaned.com.sa/home

**Target Beneficiary Groups:** MIGR

**WSIS Action Lines:** BUS

**SDGs:** SDG8

**Stakeholder Type:** Government

**Country, Region:** Saudi Arabia, Asia and Pacific

---

**Title:** Food Import and Export Management System (FIEMS/SIEBEL)

**Entity Name:** Abu Dhabi Agriculture & Food Safety Authority

**Description:** ADAFSA launched the Food Import and Export Management Information project, aligning with a commitment to support digital transformation and advance trade infrastructure in the United Arab Emirates.

The project's comprehensive scope involves the Registration and Transformation of all Food Import and Export businesses into a Unified Control Platform, covering field operations, risk-based systems, and automation of business processes and services. The primary focus is on ensuring food safety and an ample food supply through the development of a sustainable, effective, flexible, and integrated food system.

The project further aims to deliver innovative and highly effective services, elevating the customer experience. Strategic goals involve enhancing cooperation with partners, developing sector capabilities, and increasing community awareness and participation. The project’s strategy aligns with improving the flexibility and effectiveness of procedures at borders, ultimately increasing competitiveness through optimal system applications. Notably, the platform has successfully registered 48,546 food products, and 1,055 accounts have been opened for companies participating in food imports and exports.

**Website:** https://www.atlp.ae/

**Target Beneficiary Groups:** N/A
Title: Tree2Bar

Entity Name: Universidad Catolica Andres Bello, Caracas, Venezuela (UCAB)

Description: Tree2Bar is a system that aims to connect the client and the producer, creating a direct link so the consumer gets to know the product they are consuming, and at the same time it creates and adds value to the product being sold. This is done through a traceability system that allows consumers to access the history line that each product goes through and includes information such as the farmer being each bar to allow historically-excluded groups such as farmers to be recognized for what they do.

Website: https://www.youtube.com/watch?v=zkDvnKSYjt8

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

WSIS Action Lines: BUS, 8

SDGs: SDG1, SDG8, SDG10, SDG11, SDG12, SDG13, SDG14, SDG15, SDG17
Title: CASSETEX- The Android of Light Electric Mobility Energy Infrastructure

Entity Name: Advanced Dynamics Limited

Description: "Cassetex" is a fully digital, data driven solar-powered battery swapping service for electric last-mile transport. Franchise based station deployment with Women-Led Micro Energy Entrepreneur our customer can swap multiple times a day and pay through mobile banking. Vehicle agnostic Li-ion batteries are monitored in cloud networks so that batteries are charged efficiently and safely ensuring maximum life-cycle of battery packs, also proper recycling at end-of-life.

Cassetex is Bangladesh's first battery swapping service with a potential to digitize the energy infrastructure by providing clean energy to more than 1.5 million electric 3-wheelers and pioneering the Virtual Power Plant technology to the next level. By utilizing battery swapping, we are able to provide lower battery costs, faster charging time and increase in savings for the vehicle owners. Utilizing solar energy we are creating a pathway for the transport sector to transition to a true zero emission industry.

With traditional charging vehicle operators currently spend approximately US$ 608 per year on battery replacement and pay 30% more on charging bills, causing them to stack in the loan cycle forever. Cassetex reduces the vehicle operator's annual costs by 20%, enabling transition to battery swapping without buying new vehicles. MSMEs earning
basket is volatile and market linked, Cassetex adds a stable transport service to their portfolio and secures at least 50% of their property rental costs.

**Website:** https://www.youtube.com/watch?v=A0xo-B6ZZR4

**Target Beneficiary Groups:** POOR

**WSIS Action Lines:** BUS, SCI

**SDGs:** SDG7, SDG8, SDG9, SDG11, SDG12, SDG13

**Stakeholder Type:** Private Sector

**Country, Region:** Bangladesh, Asia and Pacific

---

**Title:** Inclusive Payment Network

**Entity Name:** ThitsaWorks Pte. Ltd.

**Description:** The ThitsaNet solution is an innovative inclusive payment network designed by ThitsaWorks to empower the unbanked and underbanked populations in Asia and Africa. Powered by the Interledger Protocol and Rafiki, ThitsaNet seamlessly integrates mobile wallets with Microfinance Institutions’ core banking systems. It facilitates secure and efficient cross-border transactions, loan disbursements, and repayments through various wallets, banks, and mobile payment solutions. With a focus on financial inclusion, in the pilot phase, ThitsaNet aims to connect approximately 2.2 million clients from 35 Microfinance Institutions in Myanmar, benefiting 70% of them, including 1.4 million women, through digital payments. The ThitsaX Connectors, a key component under development, will play a crucial role in enhancing connectivity and enabling fast and cost-effective cross-
border transactions. The project aligns with the vision of fostering financial inclusion and knowledge sharing, making ThitsaNet a potential catalyst for transformative change in emerging countries’ financial landscape.


**Target Beneficiary Groups:** INDG, RURL

**WSIS Action Lines:** 2, 4, BUS

**SDGs:** SDG1, SDG2, SDG5, SDG8, SDG9

**Stakeholder Type:** Private Sector

**Country, Region:** Singapore, Asia and Pacific

---

**Title:** Easy Point of Sales System (EPOSS)

**Entity Name:** Tech-Goodies

**Description:** Buying a point-of-sale system may seem like a hassle and an unnecessary expense, but if you look closer, you’ll find clear gains.

The benefits of point-of-sale systems are:

- **Accuracy:** Scanning is more accurate than punching in numbers from a sticker, or expecting the cashier to remember what each item costs
• Analysis: POS systems let you manage inventory, flag items for reorder, and analyze sales patterns.

A point-of-sale system is, at heart, a cash register — but because it’s based on a PC, it opens up a new world of data about your business. Our solution helps manage the retail shop from anywhere, it's user-friendly, easy to use and simple to understand.

Website: http://tech-goodies.com

Target Beneficiary Groups: N/A

WSIS Action Lines: BUS

SDGs: SDG8, SDG9

Stakeholder Type: Private Sector

Country, Region: Lesotho, Africa

Title: Mytindy

Entity Name: Mytindy

Description: AI-powered app designed to enable illiterate artisans to sell online and gain access to global markets.

Website: https://www.instagram.com/mytindy
Target Beneficiary Groups: YOUTH, WOMN, UNEMP, POOR, MIGR, REFG, RURL

WSIS Action Lines: 4, BUS

SDGs: SDG1, SDG8, SDG9, SDG10, SDG12, SDG17

Stakeholder Type: Private Sector

Country, Region: Morocco, Africa

Title: Waya - Inclusive Banking for Minorities and Underserved Communities in the USA

Entity Name: Waya

Description: "Waya provides mobile banking and financial services to Minorities, Black Americans and People of Color in the USA. These people are often unbanked, underbanked, or frequently overlooked by conventional banking systems. We provide them with a bank account, debit cards, instant person-to-person transfers, Bank Transfers, international money transfers and other financial services.

Our mission is to empower Black Americans and People of Color with accessible and inclusive financial services, enabling them to overcome historical barriers and achieve financial stability and prosperity. By addressing the specific challenges these communities face, we aim to positively impact their lives and contribute to a more equitable society.

Through Waya, we strive to provide:

1. Financial Inclusion: We believe that everyone should have equal access to financial services. Waya ensures that underserved communities have access to banking services, bridging the gap between traditional institutions and those who have been marginalized."
2. Tailored Solutions: We understand that the financial needs of Black Americans and People of Color are unique. We design our products and services to address these specific needs, offering personalized banking experiences and financial tools that empower individuals and businesses to thrive.

3. Educational Resources: Financial literacy is essential for long-term economic success. Waya provides educational resources, workshops, and tools to enhance financial knowledge and empower our customers to make informed financial decisions.

4. Community Engagement: Waya actively engages with and supports local community organizations, partnering with them to address financial disparities and create opportunities for economic growth and social advancement.

By focusing on empowering Black Americans and People of Color with banking and financial services, Waya aims to drive meaningful change and contribute to a more equitable and inclusive financial landscape in the United States.

Website: https://getwaya.com

Target Beneficiary Groups: MIGR, REFG

WSIS Action Lines: BUS, 10, 11

SDGs: SDG1, SDG8, SDG10

Stakeholder Type: Private Sector

Country, Region: United States of America, Western Europe and North America
Title: oneSTore.PH

Entity Name: Department of Science and Technology (DoST)

Description: "The DOST oneSTore.ph is an online marketplace that aims to promote and sell locally-made products. Its main objectives include providing different marketing channels for micro, small, and medium enterprises (MSMEs) to showcase their products, increasing the visibility and accessibility of Philippine-made products, and promoting the growth of the local economy.

The main approach of oneSTore.ph is to provide a user-friendly and secure online platform for MSMEs to sell their products directly to consumers. The platform also offers various features such as delivery service nationwide, online payment options, product reviews, and customer support to enhance the shopping experience for consumers.

Moreover, oneSToRe.PH has 7 other components as follows:

1. oneSTore Hub - the physical store of the project to serve (1) walk-in customer, (2) as a consolidator of micro-entrepreneur products and (3) as a pickup point for online transaction.
2. oneSTore Kiosk – provide self-service ordering terminal to customers.
3. oneSTore City - a mobile E-commerce plus product delivery app that serves 100% local product of MSME in Cities.
4. oneSTore Global - is a cross-border platform for export companies to expand the market of MSMEs.
5. oneSTore Vending Machine (VM) - an automated machine that provides Ready-to-Eat (RTE) and Ready-to-Drink (RTD) local products consumers after cash is inserted into the machine.
6. oneSTore Ads Management – an intensive social media advertisement tool to target specific market maximizing ads fund to generate more sales.
7. oneSTore B2B – Bulk transaction served to different Government Agencies.

The impact of oneSTore.ph has been significant, particularly in supporting local businesses during the COVID-19 pandemic. The platform has helped MSMEs reach a wider audience and generate more sales, resulting in increased revenue and job opportunities. Furthermore, the promotion of locally-made products has helped to boost the overall competitiveness of the Philippine economy."
Website: http://onestore.ph

Target Beneficiary Groups: N/A

WSIS Action Lines: 3, BUS, 9

SDGs: SDG1

Stakeholder Type: Government

Country, Region: Philippines, Asia and Pacific

Title: ekShop

Entity Name: Aspire to Innovate (a2i) programme of the ICT Division, Cabinet Division of People's Republic of Bangladesh and supported by UNDP Bangladesh

Description: Bangladesh’s rapid economic growth and digitization have been accompanied by a growing rural-urban digital divide. To uplift rural entrepreneurs and bridge this gap, the government’s Aspire to Innovate (a2i) programme of the ICT Division, Cabinet Division and UNDP Bangladesh collaborated to develop ekShop, the world’s first integrated assisted rural e-commerce platform.

ekShop’s empowers marginalized producers and consumers from rural areas, fostering digital commerce expansion, creating opportunities for disadvantaged entrepreneurs, and enabling cross-border trade. EkShop aims to make e-commerce accessible to all in Bangladesh.

ekShop integrates major e-commerce, payment, and logistics players into a single platform. It serves as a national e-commerce facilitator and infrastructure backbone, assisting micro-
merchants at Union Digital Centres and providing secure f-commerce solutions through partnerships with Meta.

Since 2019, ekShop integrated major e-commerce companies, connecting 1.80 lakh micro-merchants and serving 80 lakh consumers. Over 100 thousand entrepreneurs have received training in financial and digital literacy, and more than 10 thousand businesses have been digitized and benefit from its smart delivery system, with 70% of the beneficiaries being women.

ekShop’s efforts in reducing rural-urban gaps have garnered international recognition, with its replication as a Digital Public Goods in South Sudan introducing as the first digital marketplace and an online job portal, and also developed freelancing aggregator platforms for refugees in Turkey and Yemen.

These remarkable achievements contribute to the UN SDG, promoting inclusive economic growth (SDG 8), fostering innovation and infrastructure (SDG 9), and building partnerships (SDG 17). By empowering entrepreneurs, driving job creation, and leveraging digital technology, ekShop is making significant strides in building a sustainable and inclusive e-commerce ecosystem, benefiting Bangladesh and beyond.

**Website:** https://a2i.gov.bd/ekshop-empowering-e-commerce-reducing-rural-urban-gaps/

**Target Beneficiary Groups:** RURL

**WSIS Action Lines:** 1, 2, 4, BUS, 10

**SDGs:** SDG8, SDG9, SDG17

**Stakeholder Type:** Government

**Country, Region:** Bangladesh, Asia and Pacific
Title: Accelerator#5

Entity Name: ISTC - Innovative Solutions and Technologies Center

Description: The ACC#5 program aimed to empower socially valuable groups of women and girls living in the rural communities of Armenia, aged 15 to 55, by providing them with the necessary skills and knowledge to enter the tech world or boost the digitalization of their businesses.

Participants in the program explored basic concepts of business development such as idea validation, customer development, design thinking, and prototyping. Tech enthusiasts received training in web programming with JavaScript, whereas business owners explored the application of digital tools in non-tech fields, such as web builders, AI-based and data-driven tools for business analytics, software solutions, and received mentorship on modern infrastructure and management systems for boosting business growth.

In addition, participants also conducted customer development & investment readiness workshops, which included customer acquisition, usability testing experiments, creating a pitch deck, and training of presentation skills. The program fostered collaboration, inspiration, and networking among the participants, enabling them to develop their startup ideas and refine their business plans.

The impact was significant. Over the course of 24 weeks, more than 180 women and girls were empowered to take their first steps in the tech world or revise their business model to meet the challenges of the digital economy. They gained practical skills in web programming, UI/UX, marketing, and business management.

As a result, eight teams were formed, consisting of participants from both the business and technological tracks. These teams developed innovative startup ideas in various domains, such as agriculture e-commerce, hospitality healthcare, and education. The participants had the opportunity to present their ideas on a Demo Day, where two teams were awarded a $3,000 grant each to further develop their products.

Website: https://www.istc.am/our-projects/accelerator-5

Target Beneficiary Groups: YOUTH, WOMN

WSIS Action Lines: 4, 5, BUS, LEA, 10

SDGs: SDG5, SDG8, SDG10, SDG17

Stakeholder Type: Private Sector
Country, Region: Armenia, Eastern Europe

Title: Female Founders Across Borders

Entity Name: Riga TechGirls, Biedriба

Description: The Female Founders Across Borders (FFAB) program, created by the Riga TechGirls (Latvia) in collaboration with Tech4Impact (Uzbekistan), is an initiative that aims to promote the creation and development of companies founded and led by women in Latvia and Uzbekistan. It offers training, mentoring, and experience exchange to facilitate their growth on an international scale.

FFAB focuses on fostering collaboration, knowledge exchange, and resource access for women-led startups. Its key objectives include promoting female entrepreneurs' visibility, breaking stereotypes, and creating opportunities for expansion in both countries. The program leverages networks and partnerships to connect women entrepreneurs, guiding them in navigating international markets.

A core approach of FFAB is building a strong sense of community. Through events, participants forge meaningful connections, exchange knowledge, and foster potential collaborations. This community-driven approach encourages peer-to-peer learning and provides a support system for sharing successes and challenges. The impact of the FFAB program is three-fold.
Firstly, it empowers female entrepreneurs by equipping them with the skills, knowledge, and networks necessary to thrive in the global business landscape. By providing access to mentors and industry experts, the program enhances their capabilities and confidence, ultimately increasing their chances of success.

Secondly, the FFAB program promotes diversity and inclusion in entrepreneurship, addressing gender gaps for a more equitable entrepreneurial ecosystem, leading to innovative solutions and empowering women economically. Thirdly, the program influences society at large as successful female founders serve as role models, inspiring aspiring women entrepreneurs to pursue their own startups.

In summary, FFAB’s community-driven approach supports female entrepreneurs and contributes to the larger goal of achieving gender equality and inclusive economic growth in both countries.

**Website:** https://www.linkedin.com/posts/kristine-vikle-creatiwe_rigatechgirls-techforimpact-ffab-activity-7064157618323304448-D99-?utm_source=share&utm_medium=member_desktop

**Target Beneficiary Groups:** WOMN

**WSIS Action Lines:** BUS

**SDGs:** SDG4, SDG5, SDG8

**Stakeholder Type:** Civil Society

**Country, Region:** Latvia, Eastern Europe
Title: Sijilat (Commercial Registration Portal)

Entity Name: Information & eGovernment Authority (iGA)

Description: Sijilat is a one stop online commercial registration portal for planning, starting, managing and growing your business in Bahrain. It is the national business registration and licensing portal owned by the MOIC and developed by iGA that provides information and services to the stakeholders and all investor to help them in starting, managing, and growing businesses in Bahrain.

Sijilat portal features:

1. An integrated online portal integrating about 52 business licensing entities.
2. Available 24/7 and accessible worldwide.
3. Automatic routing of applications to licensing entities
4. Provides all services electronically through a single virtual platform
5. Benefiting from the supporting eServices provided by iGA(payment gateway and e-key).
6. Provides a guide for registration and licensing processes in for all the requirements over 600 business activities in both Arabic and English languages.
7. Apply the International Standard Industrial Classification of all economic activities (ISIC4).
8. Unify business processes by facilitating procedures according to the best international practices.

The objectives of Sijilat are promoting Bahrain’s position as an ideal choice for investors and businessmen by providing transparency and clarity in the process of licensing and registration with government agencies, investors, and other parties. Sijilat offers accurate information regarding the services provided by the government to obtain the commercial registration that meets the quality standards and achieve investor satisfaction, providing all the necessary information and supporting documents to obtain the license and commercial registration through a state-of-the-art electronic system. Also, Sijilat works to simplify the processes of obtaining the government licenses efficiently. The outcomes can be measured by reduced processing times for registrations and licenses, a higher level of user satisfaction as evidenced by feedback and surveys, a decrease in errors within applications with user-friendly interface.
**Website:** https://www.sijilat.bh/

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, DISB, UNEMP, MIGR, RURL

**WSIS Action Lines:** BUS

**SDGs:** SDG9, SDG16, SDG17

**Stakeholder Type:** Government

**Country, Region:** Bahrain, Asia and Pacific

---

**Title:** Digital Enablers Platform

**Entity Name:** Ministry of Communications and Information Technology (MCIT)

**Description:** The Ministry of Communications and Information Technology (MCIT), in cooperation with the National Industrial Development and Logistics Program (NIDLP), seeks to motivate enterprises to adopt essential technologies and solutions, measure the impact and benefit of using these technologies, and document adoptions and their success on the ground.

This is done by providing support and guidance to stimulate digital adoption and address challenges in institutions, as the information technology sector is characterized by continuous development that the Ministry and its partners seek to employ these technologies, stimulate their adoption in several sectors, and accelerate the adoption of essential technologies and solutions.

Thus, adopting the Fourth Industrial Revolution increases demand for it, raises the national industry’s competitiveness, improves the beneficiary enterprises' operational efficiency and productivity, and achieves growth.
The Ministry intends to integrate with success partners to support and empower enterprises, encourage the adoption of technologies, their impact and benefit, activate the role of the technologies of the Fourth Industrial Revolution, and align with the goals of the vision of an ambitious and prosperous country.

**Website:** https://products.ds.ejadtech.sa/en

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

**WSIS Action Lines:** 1, 4, BUS, 11

**SDGs:** SDG1, SDG8, SDG9, SDG10, SDG11, SDG16, SDG17

**Stakeholder Type:** Government

**Country, Region:** Saudi Arabia, Asia and Pacific

**Title:** DigiTech

**Entity Name:** Dept. of Communications and Digital Technologies (DCDT)

**Description:** Access to market for South African developed digital technology solutions is a major obstacle to the growth and sustainability of local Micro, Small & Medium Enterprises. This can lead to high failure rates even amongst innovative emerging businesses. Promoting ICT MSMEs aligns with South Africa's economic, social, and
technological objectives, to drive economic growth and job creation and foster innovation and inclusivity.

DigiTech intends to promote South African digital products whilst facilitating co-promotion partnerships. There are currently in excess of 150 digital products on the Digitech platform (www.digitech.gov.za), ranging from Medtech, Agritech, Edutech, Fintech and Logistics. These categories will be expanded significantly as the platform attracts more diverse ICT applications.

Unique Features of the Digitech SMME Project include:

Tailored Support Ecosystem: DigiTech provides tailored assistance to the specific needs of MSMEs, recognising the diverse nature of the ICT sector. It offers guidance in areas such as technology adoption, market access, and business development.

Technological Innovation: DigiTech recognises the pivotal role of technology in driving competitiveness and growth, equipping ICT MSMEs with cutting-edge tools, resources, and training. The focus on innovation enables participating enterprises to adapt to evolving market trends and seize emerging opportunities.

Capacity Building Initiatives: DigiTech provides capacity building initiatives, through workshops, seminars, and mentorship programs, to empower MSMEs with the knowledge, skills, and networks needed to thrive in a digital economy. The program is cultivating entrepreneurs who can drive innovation in the ICT sector.

Inclusive Approach: DigiTech prioritises diversity and inclusion, thus creating opportunities for historically marginalized groups, including women, youth, and persons with disabilities, to access the ICT sector. This inclusivity fosters social cohesion and unlocks untapped talent.

Website: www.digitech.gov.za/en

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, RURL

WSIS Action Lines: 6, BUS

SDGs: SDG8, SDG9

Stakeholder Type: Government

Country, Region: South Africa, Africa
Title: Addressing educational losses caused by COVID and war by better engaging children in the educational process. (EDMAPS)

Entity Name: Dept. of Communications and Digital Technologies (DCDT)

Description: EDMAPS is an IT platform developed in Ukraine to enhance the efficiency of remote and self-learning for students from grades 5 to 11 through the gamification of the educational process. The development of EDMAPS was a response to the significant educational losses in Ukraine due to the COVID-19 epidemic (2020-2022) and military actions (2022 to the present).

Researchers from the Program for International Student Assessment (PISA) observe a significant decrease in knowledge levels among Ukrainian students due to interruptions in school education and the emergency transition to mass remote learning. According to PISA standards, the educational losses in Ukraine are equivalent to half a year of study in natural sciences, one year in mathematics, and two years in reading.
Low-quality remote education and children's low motivation for independent study significantly worsen the existing problem. Our proposed solution effectively improves the quality of organizing remote education and stimulates children's motivation for independent learning. The uniqueness of EDMAPS lies in the proposed format of education. We have combined the school curriculum for students from grades 5 to 11 with the most effective gaming mechanics from computer games.

As a result of implementing EDMAPS for remote education at UNICORN SCHOOL, student engagement increased by 61%, and academic performance improved by 30%. Additionally, school students actively participate in educational Olympiads and achieve prize-winning positions. Moreover, UNICORN SCHOOL has been recognized as the best remote school in Ukraine in 2022 and 2023.

**Website:** https://edmaps.academy/

**Target Beneficiary Groups:** YOUTH, DISB, POOR, REFG, RURL

**WSIS Action Lines:** 2, 3, LEA, ENV, 8

**SDGs:** SDG4, SDG9, SDG10, SDG16

**Stakeholder Type:** Private Sector

**Country, Region:** Ukraine, Eastern Europe

**Title:** School online assessment

**Entity Name:** ICT Volunteers Magetan (ICT MAGETAN)
Description: Magetan ICT volunteers with Lestari Ilmu which is a company/CV that serves school needs in the form of learning devices, schoolbooks, and student assessments/tests. Currently the world of education is developing very rapidly. Lestari Ilmu developed an online-based assessment/retest service for students who have devices and schools that have devices and networks. The problem in our area, especially Magetan Regency, is the very complexity of implementing online assessments simultaneously for all students. The geographical location of Magetan Regency is in the mountains, network problems are a major problem and not all children have Android devices. We developed two assessments, namely physical-based (paper/printed) and Android-based/online. Because Android-based assessments/tests have many advantages for question models. They can be audio-based to help with listening tests, videos to help observe story questions, games to match questions, and more. Schools that have network problems can still take assessments/tests using paper, and students who don’t have an Android can still take assessments using paper or print. So that the exam can run smoothly without any obstacles and the implementation of assessment activities can run according to the schedule determined by the school. The advantage of Chatting Online Class Tests is that students cannot leave the application because all features are locked, so they cannot cheat or look for answers on search engines like Google.

Website: https://lestariilmu.id/

Target Beneficiary Groups: OLDP, UNEMP, POOR, MIGR, REFG, RURL

WSIS Action Lines: 3, 4, 6, LEA, SCI

SDGs: SDG4, SDG5, SDG11, SDG17

Stakeholder Type: Civil Society

Country, Region: Indonesia, Asia and Pacific
Title: iKODe

Entity Name: Limited Liability company «Code Group»

Description: The iKODe is an international IT Academy providing children with the relevant skills needed to prepare them for the future of work in the world of digital technologies. This project aims for additional training of children from 6 to 16 to the best potential of tomorrow, from drag-and-drop coding to real-world text-based programming languages.

The project focuses on providing the young generation with 21st-century skills and tools that are not taught in secondary schools, to extend and support active, hands-on, creative and authentic learning process through various gadgets for the benefit of learning and self-development.

The project contributes to the early professional orientation of the young generation and, in the long term, to the reduction of the deficit of qualified IT specialists, which is currently observed around the world. Project’s curriculum includes teaching popular programming languages (Python, Java, JavaScript, etc.), modeling computer games, diving-in artificial intelligence and virtual reality technologies, web development and much more. In the classroom, children get acquainted with innovative technologies, learn what programming is and why it is interesting and exciting, become developers of their own digital projects.

The program is developed by existing employees of large IT companies who have experience in creating innovative IT products, and tutors are practicing IT specialists who are able to pass their experience and knowledge to the younger generation in an accessible language. The total period of study is up to 6 years.

Website: https://i-kode.ru/

Target Beneficiary Groups: YOUTH

WSIS Action Lines: 3, 4, LEA

SDGs: SDG4, SDG8

Stakeholder Type: Private Sector

Country, Region: Russian Federation, Eastern Europe
Title: Maharati (“my skills” in Arabic)

Entity Name: Emirates Health Services - Training & Development Center (EHS - TDC)

Description: Our workforce is heterogeneous (>10,500 core + >3,000 outsourced staff), spanning disciplines (physicians, nurses, ...), specialties (surgery, medicine, ...), and expertise (specialists, juniors, ...), spread in geography (>120 facilities and time (24/7). Also, healthcare is rapidly progressing and operating in a volatile global environment (pandemics, climate change, healthcare costs).

Objectives of the solution:

- Align individual learning with organization goals
- Service heterogenous workforce needs
- Provide training anytime, anywhere, from any device
- Access to latest updates
- Engaging learning environment
- Reasonable cost
- Sustainable approach

Maharati (“my skills” in Arabic): Is a comprehensive learning & knowledge management (KM) approach, with 3 pillars:
1. PEOPLE: >700 courses were made internally with content from >170 internal (and some external) subject matter experts.

2. TECHNOLOGY: Locally customization of opensource solutions (Moodle > Totara > Maharati) with AI to personalize learning recommendation. Providing a pleasant and accessible learner experience; user satisfaction consistently >90%.

3. GOVERNANCE: Alignment with best practices and ISO certifications (Learning + Knowledge Management) pursued early in the project.

Impact & Results Achieved

- Training grew despite COVID. In 2020-2023, Maharati facilitated >2.5 million training contact hours, of which >1.6 million are eLearning related our novel KM approach; and saving EHS >8 million USD.
- Maharati eliminated paper in training. Estimated CO2 emissions over 4 years, compared to commuting to the Training & Development Center, is >1.8 million kg (equivalent to planting >21,000 trees).
- Beyond healthcare professionals, Maharat enabled many national wellness projects. E.g. the National Healthcare Support Volunteer program and the National Baby Friendly Hospital program.

Website: https://maharati.ehs.gov.ae

Target Beneficiary Groups: N/A

WSIS Action Lines: 4, LEA, HEA

SDGs: SDG3, SDG4, SDG5, SDG9, SDG13

Stakeholder Type: Government

Country, Region: United Arab Emirates, Asia and Pacific
Title: AIEd Initiatives in Singapore Student Learning Space (SLS)

Entity Name: Ministry of Education (MOE)

Description: The “Transforming Education through Technology” Masterplan 2030 or EdTech Masterplan 2030 for short was conceptualised by MOE Singapore to address the opportunities and challenges of the post-COVID operating environment where technology has become a critical enabler of learning. The vision of the Masterplan is "Technology-transformed learning, to prepare students for a technology-transformed world", which provides direction on to apply technology to enhance teaching and learning, multiply capability, and equip students with digital literacy and technological skills for the future.

Aligned with this Masterplan, MOE introduced two AIEd features in the Singapore Student Learning Space (SLS), the national online platform for teaching and learning:

1. Adaptive Learning System (ALS)
2. Learning Feedback Assistants (LFAs)

From 2022 to 2023, ALS for Mathematics was made available through selected Primary 5 and 6 topics. ALS uses machine learning to make customised learning recommendations for each student, based the student response to questions and activities.

LFAs comprises of tools which assess students’ responses and auto-generates feedback on a variety of tasks to enable feedback in a timelier manner to support Assessment for Learning. Two of the currently available tools are:

- Language Feedback Assistant for English Language (LangFA-EL) which provides feedback to students' writing in technical areas such as spelling, grammar and
syntax, and uses machine learning to improve the accuracy of its feedback. This allows teachers to better focus on guiding students in the more complex aspects of language construction, and to develop higher-level skills like creative expression, persuasiveness, and tone. It was launched in SLS in December 2023.

- Short Answer Feedback Assistant (ShortAnsFA) provides suggested grades and auto-generated content-related feedback for close-ended, short answer questions for any subject and level which teachers can edit and build on. It was launched in SLS in December 2023.

**Website:** https://www.learning.moe.edu.sg/

**Target Beneficiary Groups:** YOUTH

**WSIS Action Lines:** 1, 2, 3, 4, LEA

**SDGs:** SDG4

**Stakeholder Type:** Government

**Country, Region:** Singapore, Asia and Pacific

---

**Title:** 5G smart education lifelong learning system promote the fair construction of education

**Entity Name:** China Mobile Communication Group Co., Ltd
Description: Building a lifelong learning society is key to future global trends. Rapid access to quality, inclusive, and equitable educational resources and technology is essential. China Mobile's educational solution spans early childhood, K12, and vocational education, serving 151,500 schools and 45.33 million teachers and students. The initiative focuses on environmental shaping, resource convergence, and teaching innovation, gaining significant nationwide influence and promoting 'secure, inclusive, and joyful learning'.

Network Access: Ensuring learning for all, China Mobile, since 2018, in partnership with the Ministry of Education, has expanded network coverage to 115,000 schools, increasing access rates by four times and clearing unconnected schools. Bandwidth per school is up by 228% to 177Mbps. During the Covid-19 pandemic, low-cost data plans for remote learners reached 114 million users.

Inclusive Content: Over ten million resources across all educational stages are available on a dedicated platform. Early childhood resources, like the Andersen Award picture books, have attracted 7.7 million users. Over 8,000 smart classrooms facilitate inter-school cooperation, and 11,000 national resources are distributed to homes, benefiting ten million households. In vocational education, 5,000+ online courses across 194 categories have been developed, serving 450,000+ people.

Innovative Teaching: New technologies enhance traditional teaching. Smart sports applications, using AI, are implemented in 2,000+ schools. For vocational colleges, 5G and VR are used in 86 projects like the Jiangxi Training Base, offering practical courses to over a million teachers and students. China Mobile's initiative is making education more accessible, inclusive, and enjoyable, pioneering a model for lifelong learning.

Website: http://edu.10086.cn

Target Beneficiary Groups: YOUTH, WOMN

WSIS Action Lines: LEA

SDGs: SDG4, SDG10

Stakeholder Type: Civil Society

Country, Region: China, Asia and Pacific
Title: Doroob Program - National e-Training Platform (Doroob)

Entity Name: Human Resources Development Fund (HRDF)

Description: Doroob, a pioneering national training platform, epitomizes the essence of Vision 2030 by offering a holistic, free journey from training to employment, leveraging the latest technologies. It features a vast, integrated training catalog accessible through a user-friendly digital interface, meticulously designed to meet the dynamic needs of the Saudi labor market. With over 300 courses and 60 training paths, Doroob has enriched the lives of more than 2 million citizens, significantly enhancing job prospects and stability. It plays a crucial role in bridging the skill gap, elevating employment rates through targeted training, fostering economic diversification, supporting SMEs, and promoting gender equality in the workforce. This platform’s alignment with strategic objectives underscores its commitment to developing human capital and sustaining private sector employment, especially among vulnerable groups. Doroob collaborates with various public and private sector entities to expand job opportunities for its trainees.

Doroob directly addresses Saudi Arabia’s economic and social objectives of Vision 2030. Its digital platform features success stories from individuals who transitioned from training to meaningful employment in emerging sectors, such as renewable energy or technology, showcasing the tangible impacts on their lives and communities. Additionally, Doroob’s partnerships with global tech companies offer cutting-edge courses in AI and blockchain. These collaborations have upskilled thousands, making them competitive in the local job...
market. Further, Doroob’s commitment to inclusivity and the initiatives specifically designed to empower women and differently-abled citizens increased

**Website:** https://doroob.sa

**Target Beneficiary Groups:** YOUTH, WOMN, DISB, UNEMP, POOR, RURL

**WSIS Action Lines:** GOV, LEA

**SDGs:** SDG1, SDG2, SDG3, SDG4, SDG5, SDG8, SDG9, SDG11, SDG12, SDG14, SDG16, SDG17

**Stakeholder Type:** Government

**Country, Region:** Saudi Arabia, Asia and Pacific

---

**Title:** The House of digital

**Entity Name:** Dept. of Communications and Digital Technologies (DCDT)

**Description:** Welcome to The House of Digital, a visionary initiative that aims to redefine education by implementing innovative e-learning platforms. Our mission is rooted in strengthening education within our country and beyond, while facilitating learning for all, irrespective of linguistic boundaries.

Description du Projet

Objectif Principal: The House of Digital se donne pour objectif de créer des plateformes e-learning accessibles à tous, visant à améliorer la qualité de l’éducation et à favoriser une expérience d’apprentissage stimulante.

Points Forts du Projet:

Renforcement de l’Éducation Locale: En collaborant avec des experts pédagogiques locaux, nous nous assurons que nos plateformes répondent aux besoins spécifiques de notre communauté, garantissant une pertinence culturelle et un impact significatif.

Multilinguisme: Reconnaissant la diversité linguistique, nos plateformes e-learning seront disponibles en anglais, élargissant ainsi la portée de l’éducation à un public international et facilitant l'apprentissage pour ceux qui souhaitent accéder à des ressources éducatives dans cette langue.

Technologie de Pointe: The House of Digital intègre les dernières avancées technologiques pour créer des environnements d’apprentissage interactifs, engageants et adaptés à l’ère numérique.

Website: https://keurguidigitale.com/

Target Beneficiary Groups: YOUTH, WOMN, POOR, RURL

WSIS Action Lines: LEA

SDGs: SDG4

Stakeholder Type: Private Sector

Country, Region: Senegal, Africa

Title: Empowering 2 Million Learners: BTK Academy’s Pioneering Venture in Digital Education
Entity Name: Information Technologies and Communication Authority (BTK)

Description: BTK Academy, was established in 2017 within BTK, provides free-of-charge, user friendly and accessible online & face-to-face ICT trainings, organizes camps, hackathons, seminars and follows trends in the field of information technologies with competitions and events for all segments of the society, especially youth and children, with the aim of capacity building and skills improvement. As of 31 January 2024, BTK Academy reached almost 2 million users and 245 topics on the portal. BTK Academy guides the digital world and provides ease of access to e-government and follows digitalization by offering training in Cyber Security, Mobile Application, Data Science, Blockchain, Cloud Technology, Game Developer, Web Development, Software Testing under the main categories Software World, System World, Design World, Artificial Intelligence World, Regulation World, Secure Internet World. A Career Guide has been prepared by BTK Academy in cooperation with the relevant stakeholders including public and private entities, academia and professionals from the sector for more than 27 positions in the field of ICTs to solve the difficulties faced by young people in finding a job. To ensure sustainability in distance education, a protocol was signed with the Council of Higher Education of Türkiye on 16 January 2024. Courses taken from the BTK Academy online platform will be counted as credits at universities in Türkiye. As a result of cooperation with many stakeholders, employment-oriented workshops are organized in different provinces in Türkiye, and young people who undergo rigorous trainings and prepare projects in these workshops are employed by the companies involved. Cyber security camps are organized in provinces in order to strengthen the national cyber security sector. Within the context of equal opportunities for women and men, some of these camps are specially designed for female students. Approximately 5000 young people were trained in face-to-face training, workshops, and camps.

Website: https://www.btkakademi.gov.tr/

Target Beneficiary Groups: YOUTH

WSIS Action Lines: LEA

SDGs: SDG4, SDG5, SDG10, SDG17

Stakeholder Type: Government

Country, Region: Türkiye (Republic of), Western Europe and North America
Title: Digital Boda

Entity Name: Youth United For African Transformation (YUFAT)

Description: The Mobile Learning Initiative (MLI), also known as the Digital Boda project, is an innovative and inclusive solution addressing the lack of computer education in remote areas, especially in primary and secondary schools, with a strong emphasis on promoting gender equality. The main goal is to provide equal access to computer education, empowering students with essential skills for success in today's technology-driven world. The unique approach of the Digital Boda project uses motorcycles for trained instructors to reach underserved schools directly. These instructors carry laptops and necessary equipment, overcoming geographical barriers and ensuring convenient access to hands-on computer education.

The project consists of two components: Computer Aided Learning (CAL) for primary schools start and support coding clubs in secondary schools. CAL focuses on providing computer-based learning resources tailored to the primary school curriculum, fostering digital literacy from an early age. Coding clubs offer both boys and girls exciting opportunities to explore coding concepts, promoting gender equality in technology education.

By prioritizing gender equality, the Digital Boda project contributes to SDG 5 - Gender Equality, empowering girls with digital skills for success in technology-related fields. It also aligns with SDG 4 - Quality Education, SDG 9 - Industry, Innovation, and Infrastructure, and SDG 10 - Reduced Inequalities, ensuring equal access to quality computer education for all students.

Overall, the Digital Boda project creates a transformative impact by providing crucial digital skills, enriching school offerings, fostering community development, and preparing a skilled workforce for the digital era. Its focus on gender equality ensures a more inclusive and brighter future for all in remote areas.

Website: https://www.facebook.com/yufatOrganisation/

Target Beneficiary Groups: YOUTH, RURL

WSIS Action Lines: 3, 4, LEA, 11

SDGs: SDG4, SDG5, SDG9, SDG10
Stakeholder Type: Academia

Country, Region: Uganda, Africa

Title: Digital Infrastructure Program

Entity Name: LiteHaus International

Description: LiteHaus International’s Digital Infrastructure Program bridges the educational digital divide across the developing world, installing groundbreaking digital classrooms and innovative offline e-library. Since 2017, the program has established 193 computer labs in under-resourced schools across remote Papua New Guinea, Philippines, Solomon Islands, providing digital learning tools and opportunities to more than 130,000 students and teachers who would otherwise have gone without. SDG4 strives for universal quality education. In today’s world, a quality education can only be a digital education as digital become ubiquitous through the human experience.

However, 85% of students in Papua New Guinea, for example, have never seen or used a computer before in their lives. Our Digital Infrastructure Program installs 15 laptop or desktop computers, with Windows 10, the LibreOffice suite and an offline e-library containing 6.2 million educational articles including the entire Wikipedia collection, Khan Academy content on literacy, numeracy and other socially beneficial content, including awareness on the SDGs. For schools in remote parts of Papua New Guinea or Philippines, where schools may only have less than 100 books (mostly outdated), this transforms the
possibilities for education and expands the worldview and horizon of the children. Best of all, this resource does not require the Internet; many of the beneficiary schools are located far beyond the bounds of 4G connectivity. We also provide digital skills training through our comprehensive Digital Skills Guidebook. In all, our 195 computer labs are used daily by over 130,000 users and have made possible more than 715,000 hours of digital usage. Schools are utilising the digital infrastructure to build digital capability, encourage innovation and move towards integrating the use of digital technology into the day-to-day teaching of all subjects. Ultimately, the program is improving educational outcomes and bringing learning into the digital age across four countries.

**Website:** https://litehausinternational.org

**Target Beneficiary Groups:** YOUTH, WOMN, RURL

**WSIS Action Lines:** 1, 4, LEA

**SDGs:** SDG4, SDG9, SDG10, SDG12

**Stakeholder Type:** Civil Society

**Country, Region:** Australia, Western Europe and North America

---

**Title:** Historias para armar - Digital Storytelling for 21st century skills

---

**BRIDGING THE DIGITAL DIVIDE ACROSS PNG**
Entity Name: GreenSCENT

Description: Historias para armar (HPA) https://www.historiasparaarmar.org/ is a free interactive platform that empowers Latin American and Caribbean children between 8 and 11 years old to create and produce their own stories using digital media, as they master the art of storytelling and literacy in new formats, such as movies, animations, soundstories, video games and comics, through a learning-by-doing approach.

Historias para armar (HPA) was launched in 2021 with the main objective to offer accessible strategies and free, flexible digital resources — that considers the wide diversity of contexts in Latin America — to promote the creation of stories with digital media. It was created to address the challenge of building digital literacy skills needed for children in today's world, help bridge the digital gap in the region and equip teachers to promote a creative and meaningful use of technology.

HPA offers a variety of engaging and playful resources that guide and scaffold the creative process, as well as specific resources for educators and families: tutorials, activities and didactic cards on how to articulate curricula with storytelling, among others. Moreover, the project includes continuous teacher training through webinars, newsletters and courses, offered in partnership with the public sector and other organizations in Latin America.

The initiative has been growing since 2021 and has reached to date more than 1.1 Million children and over 39.000 teachers in 11 countries: Mexico, Costa Rica, Colombia, Venezuela, Peru, Paraguay, Chile, Argentina, Uruguay, Guatemala, Bolivia.

Website: https://www.historiasparaarmar.org/

Target Beneficiary Groups: YOUTH

WSIS Action Lines: 3, LEA, 8, 9, 10

SDGs: SDG4, SDG5, SDG10

Stakeholder Type: Civil Society

Country, Region: Italy, Western Europe and North America
Title: Conectadas

Entity Name: Tigo Guatemala

Description: We promote gender inclusive access to digital technology and promote
digital education skills by providing in person trainings and digital trainings through
WhatsApp Business Api (Chatbot), Webinars and Zoom to more than 15,000 women these
past 6 months in 2023 in rural communities. Currently we have reached 50,000 women
and the program will be replicated in other countries in Latin America. We still have many
corners to reach in Guatemala. We give in person trainings and after the training girls and
women can access the free platform Conectadas by Tigo to continue learning about digital
skills.

Website: https://www.youtube.com/watch?v=DOjpQ99dcwo

Target Beneficiary Groups: WOMN

WSIS Action Lines: 3, 4, 5, BUS, LEA, EMP

SDGs: SDG4, SDG5

Stakeholder Type: Civil Society

Country, Region: Guatemala, Latin America and the Caribbean

Title: Changemakers Connect

Entity Name: Yale-NUS College
**Description:** Our solution is a digital mentoring application designed to connect professionals, civil society organizations, and youth in the social impact sector worldwide. It aims to address the lack of accessible mentorship opportunities for aspiring changemakers and young professionals - who may not have the knowledge/network they need to navigate their dream careers - creating a supportive environment for evidence-based knowledge sharing and skill development. The platform's objectives include fostering collaborations between professionals and youth (to train the next generation of innovators), providing real-time accounts of current developments in the social impact sector from active workers in the field (so youth can identify gaps in research and focus efforts into underserved areas), and offering rigorous training programs to enhance youth skills and opportunities for future work in the field (with no prior experience necessarily - so everyone may begin from an even playing field).

The mentoring application takes a personalized and user-centric approach to connect volunteer mentors and aspiring mentees inside the social impact sector based on shared interests and goals. When both parties sign up on the platform, they are asked a series of questions to determine their preferences. This includes identifying the type of mentors/mentees they are looking to engage with - including their preferred mode of communication and desired meeting frequency. The application promotes targeted learning and skill development by partnering with reputable online platforms such as Coursera and leaders from respected universities to help mentees gain valuable insights/guidance from experienced mentors across different regions and empower them with relevant knowledge aligned with their social impact goals. The application incorporates progress-tracking features to ensure continuous development. Through gamification elements and regular check-ins, mentees can set goals, track their progress, and receive feedback from their mentors.

**Website:** [https://www.yale-nus.edu.sg](https://www.yale-nus.edu.sg)

**Target Beneficiary Groups:** YOUTH

**WSIS Action Lines:** 4, LEA, 11

**SDGs:** SDG4, SDG10, SDG17

**Stakeholder Type:** Academia

**Country, Region:** Philippines, Asia and Pacific
Title: **YoungArcHers project**

**Entity Name:** Universitat Autonoma de Barcelona

**Description:** The cultural heritage sector is at a crossroads. The boost of digitalization and technology are the ultimate solutions for new approaches to engage citizens with cultural heritage.

Digital storytelling enables unprecedented forms of engagement and opens up new spaces for educational contexts to explore collaborative forms to understand, preserve and engage with cultural heritage. E-learning tools promote access to cultural content in homes, schools and universities, and allow people to generate, reuse and add value to content, enhancing the value of tangible and intangible cultural heritage. Still, education in cultural heritage is commonly perceived as discipline-bound, unidirectional and academic, not consistent with the Universal Design for Learning Guidelines (CAST 2018), which favors a learner-centric approach catering the needs of all learners. Accessibility and inclusion are crucial concepts in cultural heritage for achieving the CRPD (2006), and the UN Agenda 2030 and its Sustainable Development Goals (SDGs).

“Young ArcHers” is an Erasmus+ project that tackles climate change, it helps to achieve the UN's Sustainable Development Goals and boosts research and innovation in educational environments at a local, regional and international level. The project proposes a mindset shift in education advocating the use of cultural heritage, as a valuable tool for educators to create inclusive and accessible digital storytelling content for promoting intercultural dialog and social inclusion.
“Young ArcHers” intends to offer efficient and accessible interdisciplinary tools to support teachers in incentivizing students, including children with disabilities, and those originating from socio-culturally diverse backgrounds, to discover the value of their local built heritage, use digital technology to consolidate new knowledge, and engage in the promotion and protection of heritage buildings through local and international awareness campaigns.

**Website:** [https://youngarchers.eu/](https://youngarchers.eu/)

**Target Beneficiary Groups:** YOUTH

**WSIS Action Lines:** 3, 4, 5, LEA, 10

**SDGs:** SDG1, SDG4

**Stakeholder Type:** Academia

**Country, Region:** Spain, Western Europe and North America

---

**Title:** E-Learning Competence Center

**Entity Name:** Dept. of Communications and Digital Technologies (DCDT)

**Description:** In Egypt, the e-learning industry faces challenges, including limited accesses of technology as penetration stands at 72%, shortage of technically skilled instructors with 14% only exhibiting advanced IT proficiency, and lack of locally produced and up-to-date e-content. The joint ELCC project between MCIT and Cisco delves into basic digital
literacy to AI, graphic design, IoT, and programming, aiming to promote public-private-people partnership, create a replica model, and bridge the knowledge gap. In the last 3 years, it has equipped 7,000 beneficiaries with IT skills and built the capacities of 300 instructors. It accredited 66 active e-learning centers and launched the Lifelong Learning Portal and the National Delivery Network, supporting public access to knowledge. In its third phase (2020-2025), ELCC has generated prolonged impacts. Socially, it bridged the digital gap, with presence in 27 governorates, ensured 40% of our beneficiaries are females, and tailored courses for the disabled people (i.e. deaf), empowering at least 200 PwDs. Economically, it expanded the skillset of 150,000 beneficiaries since its inception. The training courses are regularly updated to match the global market, availing more decent employment opportunities for trainees and improving their current career paths. Environmentally, it built capacities of 300 climate ambassadors.

**Website:** https://mcit.gov.eg/en/Human_Capacity/ELCC

**Target Beneficiary Groups:** YOUTH, WOMN, DISB, UNEMP, POOR, RURL

**WSIS Action Lines:** 3, LEA

**SDGs:** SDG4, SDG8, SDG17

**Stakeholder Type:** Government

**Country, Region:** Egypt, Africa

---

**Title:** Tablet Comunitário | Community Tablet

**Entity Name:** Dept. of Communications and Digital Technologies (DCDT)
Description: The platform consists of a container in a road trailer, built with recycled plastic, that can be towed by animal traction or any vehicle overcoming topographic challenges of road access. It is powered by solar energy, equipped with satellite broadband and a GSM network, and a 13.5 kWh capacity battery with autonomy of up to 12 hours (it is fully operational in the absence of infrastructure). On one side, two interactive touchscreen monitors with web cameras are installed. It also has a cold chain to store medicines. On the opposite side, four 32-inch interactive touchscreen monitors with web cameras are installed; four printers or dispensers for medicine. The monitors, for individual use, have all the functionalities of a computer. Allow to browse the internet, quizzes, tests, or other applicable features. The applications are user-friendly, including for people with disabilities and the screens are adjustable for persons on wheelchairs. A transformative platform for the provision of ICT tools in an interactive digital format to the disadvantaged populations, including hard to reach communities. It’s being used to promote inclusive education; to bring knowledge, and information to the remote communities; populations can interact with technology and to learn in a sustainable way that is adjusted to the different cultural and social contexts; to empower people with skills to improve their livelihoods. The container also features a remotely controlled active cold chain system to store medicines. Its comparative advantage can be summarized through the following characteristics: (a) it’s not dependent on access to the electricity grid; (b) the versatility of transport allows it to reach remote communities even with difficult road access; (c) internet via satellite allows connectivity in areas not covered by mobile internet providers; (d) it can become an internet access point to user

Website: https://tabletcomunitario.org/mz/

Target Beneficiary Groups: DISB, POOR

WSIS Action Lines: 2, 3, 4, 6, LEA, HEA

SDGs: SDG1, SDG3, SDG4, SDG5, SDG7, SDG11, SDG13, SDG16, SDG17

Stakeholder Type: Civil Society

Country, Region: Mozambique, Africa
Title: Analytics Powered E-Classrooms across Government and Provincialized Schools of Assam (APEC across Assam)

Entity Name: Dept. of Communications and Digital Technologies (DCDT)

Description: Analytics Powered E-Classrooms solution is established in 2504 schools of Assam in two phases (Phase 1: 1859 Schools, Phase 2: 645 Schools). It aims at improving the quality of education in Govt. and provincialized schools by setting up LIVE & two-way interactive teaching-learning facilities (broadcasting studios and virtual classrooms) and the systems and tools for student assessments, artificial intelligence (AI) powered analytics, and data management. The project’s overarching goal is to eliminate educational disparities in the State using state-of-the-art satellite technology and meticulously curated content. Project is now providing equitable access to high-quality education, irrespective of geographical constraints. The infrastructure of 4 studios and 2504 analytics powered e-classrooms is established. Hundreds of thousands of students are getting digitized expert-led education in English, Assamese, Bengali, and Bodo (Tribal language) in their own schools. The project aspires to revolutionize learning experiences, ensure uniform teaching access, promote active engagement among students, and integrate continuous assessment mechanisms. By merging technology with pedagogical expertise, the project envisions a transformative educational landscape that empowers students and opens doors to a brighter future for remote communities in Assam.

Website: http://assamteleeducation.com

Target Beneficiary Groups: YOUTH, INDG, POOR, RURL

WSIS Action Lines: 1, 2, 3, LEA, 8

SDGs: SDG4, SDG10

Stakeholder Type: Government

Country, Region: India, Asia and Pacific

Title: Designing an adaptive e-learning environment based on the interaction between artificial intelligence and learning methods (Design an e-learning environment)
Entity Name: Dept. of Communications and Digital Technologies (DCDT)

Description: The research project aims to reveal the impact of the interaction between the use of artificial intelligence applications and sensory (audio-visual-kinesthetic) and psychological (analytical-holistic) learning methods in a virtual learning environment to develop e-learning skills and cognitive, skillful and emotional awareness of digital citizenship and innovative behavior among Rustaq University of Technology and Applied Sciences. To achieve the objectives of the research project, the establishment of an e-learning laboratory to train students through it on various e-learning skills based on artificial intelligence, building a list of standards for designing an adaptive e-learning environment based on artificial intelligence, An electronic training program based on the interaction between AI and learning methods, we expect the following results for the research project: designing an interactive, adaptive electronic learning environment based on the interaction between artificial intelligence and digital learning methods. There are statistically significant differences between the average scores of the students in the experimental groups in cognitive, skill and emotional awareness of digital citizenship, due to the effect of different learning methods based on artificial intelligence in favor of the experimental group that relied on the sensory and psychological learning method together, and there are statistically significant differences between the average scores of the students of the experimental groups in innovative behavior, due to the effect of the different learning methods. and there is a high effect size for the learning styles based on artificial intelligence in developing digital citizenship and innovative behavior. The research project recommended many recommendations, the most important of which is the inclusion of additional tools in the proposed adaptive e-learning environment that help students and teachers design smart educational courses directed to people with disabilities.

Website: https://rustaq.cas.edu.om/

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, RURL

WSIS Action Lines: 1, 2, 3, 4, 5, 6, LEA, ENV, 8, 9, 10, 11

SDGs: SDG4, SDG5, SDG9, SDG10, SDG11, SDG12, SDG16, SDG17

Stakeholder Type: Academia

Country, Region: Oman, Asia and Pacific
Title: Flying Colors

Entity Name: Dept. of Communications and Digital Technologies (DCDT)

Description: Flying Colors is a new program that supports socio-emotional and foundational learning, enabled by technology and project-based learning. With support from the LEGO Foundation, it is being jointly developed and implemented by Hopelink Action Foundation Uganda, Learning Equality, and Amal Alliance. The program brings together Learning Equality’s Kolibri, an offline-first digital learning platform designed to enable student-centered and differentiated learning without the need for Internet, with Amal Alliance’s Colors of Kindness, a socio-emotional curriculum developed to support out of school children in crisis contexts. Flying Colors blends these approaches within a playful learning model. In 2022/23, we piloted Flying Colors in 4 schools in Palabek Refugee Settlement in Northern Uganda, with a focus on primary school age out-of-school learners. 714 refugee and host community learners were enrolled in one of two consecutive 12-week cohorts, enabling learning and an iterative approach to set up Flying Colors for future replication and scale. The program saw dramatic results at the end of a 12 week program, with a significant improvement in foundational literacy and numeracy, and social-emotional learning competencies for out-of-school refugee learners. More than 97% of learners re-enrolled in formal school, and 99% said they enjoy being in school and 91% plan to continue their studies and complete primary school. By the end, all learners improved in reading, with 73% reading paragraphs, and in numeracy, with the majority performing 1- and 2- digit addition and subtraction. Teachers successfully adopted blended learning practices, and enhanced their digital literacy skills. 99% of learners said they enjoyed being in school, and 98% of learners re-enrolled in schooling — demonstrating positive engagement through a tech-based approach. Teachers also demonstrated improvements in digital skills, confidence, and ability to blend technology into their low-resource learning environments.

Website: https://le.fyi/flying-colors

Target Beneficiary Groups: REFG

WSIS Action Lines: 3, 4, LEA, 8

SDGs: SDG4

Stakeholder Type: Civil Society

Country, Region: United States of America, Western Europe and North America
Title: System for the registration and care of people with HIV/AIDS (Medisys VIH/SIDA)

Description: The Medisys-HIV System is a software tool that manages the monitoring of key population groups in Cuba, and the transitions between the records of HIV-negatives (primary health care) and the national registry of HIV-positives. It represents the national registry of people in HIV monitoring and care since 2005 with more than 20,000 people registered, constituting the country's HIV-positive population. MEDISYS-HIV guarantees the monitoring of people from key population groups, seropositive or seronegative, at the national, provincial, municipal and primary health care area levels. As a secure platform adaptable to the level of authorization of each user, as a management tool at community operational levels, and a statistical system for decision-making at administrative levels. Guaranteeing: The National Health system has software for HIV monitoring in Cuba; Single registry of people from key population groups at the national, provincial, municipal and primary health care area levels; Exact control of prevention and care resources; Possibility of extracting information about the behavior of positive and negative indicators for timely decision-making.

Website: https://vih.sld.cu

Target Beneficiary Groups: NULL

WSIS Action Lines: GOV, HEA, 8, 10

SDGs: SDG3, SDG10

Stakeholder Type: Government

Country, Region: Cuba, Latin America and the Caribbean
Title: BloodConnect

Description: BloodConnect is a mobile application designed to help connect blood banks with potential blood donors. It enables users to access a digital blood log, receive alerts when their blood type is urgently needed, and find blood donation centers near them. BloodConnect aims to solve the problem of blood availability by enabling a rapid response to blood transfusion needs. With its user-friendly interface and practical features, BloodConnect simplifies the blood donation process and helps save lives. It could be a good way to solve the problems relative to health, especially in Benin and to expend, in Africa.

Website: https://solve.mit.edu/users/lizette-aboue

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

WSIS Action Lines: 2, GOV, HEA, 11

SDGs: SDG3, SDG5, SDG9, SDG10, SDG17

Stakeholder Type: Civil Society

Country, Region: Benin, Africa

Title: Healthier SG (HSG)

Description: Healthier SG (HSG) is a national initiative by the Ministry of Health (MOH). It marks a major transformation of healthcare that aims to help all Singaporean residents take steps towards better health and quality of life. It focuses on preventive care and empowering individuals to take charge of their own health with the support of their family doctor and community partners through:

1. Preventive care: It focuses on preventing chronic diseases like diabetes and heart disease before they occur. This is achieved through regular health screenings, personalized health plans, and early intervention.

2. Holistic care: Individuals receive care from their trusted family doctor who works in collaboration with community partners. This ensures comprehensive well-being, addressing physical, mental, and social aspects of health.

3. Empowerment: Healthier SG encourages individuals to actively participate in managing their health. This includes access to
educational resources, health monitoring tools, and support for adopting healthy lifestyle habits like exercise and healthy eating. 4. All-rounded support: The initiative provides access to various activities and programs tailored to individual needs. This includes physical activities, health promotion programs, and even support for seniors through Active Ageing Centres. Key features of Healthier SG: Eligibility: Open to Singapore Citizens and Permanent Residents aged 40 and above. Enrollment: Individuals can enroll with a participating Healthier SG clinic through the HealthHub app or by contacting the MOH hotline. Personalized Health Plan: Family doctor develops a personalized plan based on your health risks and needs. Subsidies: Individual receives subsidies for preventive screenings, chronic disease management, and health promotion activities.

**Website:** https://www.healthiersg.gov.sg/

**Target Beneficiary Groups:** OLDP

**WSIS Action Lines:** 1, 3, HEA

**SDGs:** SDG3, SDG10

**Stakeholder Type:** Government

**Country, Region:** Singapore, Asia and Pacific

---

**Title: Timely Access to Specialized Tertiary Care (TASTC)**

**Description:** At the Ministry of National Guard Health Affairs (MNGHA), our project "Timely Access to Specialized Tertiary Care (TASTC)" embodies our commitment to integrating Information and Communication Technology (ICT) applications in e-health. This project ensures prompt access to specialized tertiary healthcare services, revolutionizing our approach to healthcare delivery. Under the umbrella of TASTC, we've tackled the traditional challenge where patients requiring specialized care faced prolonged waiting times due to a convoluted referral process. By employing advanced ICT solutions, TASTC has streamlined this process, allowing direct booking from primary or secondary care to our tertiary care facilities. This technological advancement has had a transformative impact. Primary and secondary care providers within MNGHA can now swiftly refer patients to our specialized tertiary care, bypassing the previous time-consuming manual steps. The outcome? A substantial reduction in waiting times, ensuring that our patients receive the
urgent care they need without detrimental delays. The impact of TASTC extends beyond patient waiting times. It has significantly improved patient outcomes and satisfaction by providing timely interventions in critical healthcare scenarios. Moreover, by automating and refining the referral process, TASTC has enhanced our operational efficiency. This efficiency gain has enabled us to optimize resource allocation and boost the overall utilization of our healthcare facilities. In conclusion, MNGHA's "Timely Access to Specialized Tertiary Care (TASTC)" project represents a paradigm shift in healthcare delivery. By seamlessly integrating ICT in e-health, we've not only improved access to specialized care but have also set new standards for efficiency and patient satisfaction in the healthcare industry.

Website: https://www.ngha.med.sa/english/aboutngha/pages/default.aspx

Target Beneficiary Groups: NULL

WSIS Action Lines: HEA

SDGs: SDG3, SDG9, SDG17

Stakeholder Type: Government

Country, Region: Saudi Arabia, Asia and Pacific

Title: A new mode of remote surgery constructed with double gigabit as the core network

Description: In view of the unbalanced distribution of medical resources, it is difficult for patients to get timely and high-quality medical measures. Under the above background, China Mobile and the Affiliated Hospital of Qingdao University, using the surgical robot "Micro hand" of Weigao Group, deeply integrated 5G, artificial intelligence and other technologies with the medical industry, and innovatively built a "new model" of remote surgery. Through optical fiber and 5G double gigabit network, we remotely control nearly ten basic hospitals in Qingdao to implement difficult robot-assisted laparoscopic urology surgery, and have completed more than 50 cases, becoming the largest sample size of remote surgery clinical trials at home and abroad. On this basis, the country's first transnational robot remote surgery was completed, and the network distance exceeded 3,000 kilometers, becoming a milestone event in the world's remote surgery, and the first
quantum encryption remote surgery was completed. The feasibility of operation in non-hospital environment was verified, and the sinking of high-quality medical resources was realized. The LASS medical theory of remote surgery is innovatively proposed, which provides a theoretical guarantee for the medical security of remote surgery. Based on the real-time, stability and safety of surgery, a series of technical innovations such as OXC network MESH technology, wired and wireless switching technology, remote surgery training system, delay management system, quantum encryption communication technology are carried out. This project has completed the product testing and appraisal of results: the technical maturity of the results is 8, the technological innovation is 3, the technological advancement is 7, and the overall level has reached the international leading level. It also has more far-reaching application prospects, such as exploring the feasibility and safety of remote surgery in extreme conditions such as remote areas, disaster areas, epidemic situations, and battlefields.

Website: https://www.qduh.cn/

Target Beneficiary Groups: YOUTH, OLDP, WOMN, DISB, POOR

WSIS Action Lines: HEA

SDGs: SDG3, SDG10, SDG16, SDG17

Stakeholder Type: Civil Society

Country, Region: China, Asia and Pacific

Title: Virtual Intelligent Eye Vision (VIEV): For Blind / Partial Vision Impairment Using Artificial Intelligence Of Things (VIEV-AIoT)

Description: Visually impaired individuals often face social limitations and struggle in unfamiliar environments without assistance, as visual information is crucial for most daily tasks. As such, the project proposed to utilize AI, Machine Learning, IoT, and Text Recognition to aid those who are blind or visually impaired. Its main objective is to implement various features such as a Vision and Voice assistant, Image Recognition, Face Recognition, Object Identification, e-book text extraction, chat bot, and obstacle notification to help individuals with visual impairments. By doing so, the project improves the quality of life for visually impaired individuals by providing them with greater
independence and support by using voice commands to identify objects in their surroundings, perform text analysis to recognize text on physical documents, and utilize face recognition technology to identify individuals. By doing so, the project improves the quality of life for visually impaired individuals by providing them with greater independence and support by using voice commands to identify objects in their surroundings, perform text analysis to recognize text on physical documents, and utilize face recognition technology to identify individuals.

Website: https://utasoman-my.sharepoint.com/:f/g/personal/venkadeshan_ramalingam_utas_edu_om/Eg9oDlvkQM5OqEQF0EJPNqYBriShoDXcit6WiSiTNvnWw?e=pqb5XQ

Target Beneficiary Groups: OLDP, DISB

WSIS Action Lines: 1, 2, 3, LEA, HEA

SDGs: SDG3, SDG4, SDG17

Stakeholder Type: Academia

Country, Region: Oman, Asia and Pacific

Title: Mobile health app for everyone (MojeIKP)

Description: MojeIKP is a free application of the Ministry of Health, implemented in May 2021 and constantly developed. Currently, over 2.1 million people use mojeIKP to access the e-health system in Poland. Using the mojeIKP, everyone has fast and convenient access to e-prescriptions and e-referrals by phone, directly from the received PUSH notification. The application also allows users to safely fill their prescriptions by showing the QR code at the pharmacy (without providing PESEL - Polish resident identification number). Other important functionalities of mojeIKP include reviewing the history of visits and examinations, possibility to check the dosage of the prescribed medication, possibility to set a reminder to take a medicine, granting access to your Electronic Medical Records (EDM) to medical staff and facilities, access to children's medical records (and another family member, e.g. an elderly person, who authorizes such access), e-registration for COVID-19 vaccination. It is also an important tool supporting prevention (including sending PUSH notifications about health programs). Patients are more aware thanks to
continuous access to their medical data. They make better health decisions (evidence-based decisions). The mojeIKP is widely used. Monthly, the app provides over 2 million processed e-prescriptions, 0.5 million referrals, over 1 million information about prevention.

**Website:** https://pacjent.gov.pl/aktualnosc/mojeikp-na-komorke-lub-tablet

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, DISB, POOR, RURL

**WSIS Action Lines:** 1, 2, 3, 5, HEA

**SDGs:** SDG3, SDG9, SDG10

**Stakeholder Type:** Government

**Country, Region:** Poland, Eastern Europe

---

**Title: Alvor Technology (Alvoritech)**

**Description:** Congenital heart disease (CHD) is a severe childhood health problem worldwide. The medical treatment cost for medication not covered by government health insurance (BPJS), only some of it that already covered. When CHD detected on adult patient, CHD usually already on severe condition and complicated with pulmonary hypertension,
requiring the consumption of relatively expensive medication. Alvori is the Artificial-Intelligence-based platform that assists cardiologists to enhance their objectivity in diagnosis. Using the artificial intelligence technology we have built, we could rapidly enhance the objectivity of cardiologist in diagnosing whether a child has congenital heart disease or not. The earlier we get a better diagnosis, the earlier we could save our future.

**Website:** https://alvori.tech/

**Target Beneficiary Groups:** YOUTH

**WSIS Action Lines:** HEA

**SDGs:** SDG3

**Stakeholder Type:** Private Sector

**Country, Region:** Indonesia, Asia and Pacific

**Title:** Anesi

**Description:** Anesi is an innovative project aimed at revolutionizing the support and care provided to individuals on the autism spectrum. Focused on addressing the challenges associated with autistic meltdowns, Anesi leverages cutting-edge technologies to develop a predictive analytics solution that goes beyond detection to prevention. This project is not only a technological breakthrough but also a testament to the potential of AI and IoT in fostering positive societal impact. At its core, Anesi seeks to enhance the quality of life for individuals with autism and alleviate the stress experienced by their families and caregivers. The global prevalence of Autism Spectrum Disorder (ASD), affecting 1 in 160 individuals, underscores the critical need for effective solutions. Anesi, originating in Algeria, addresses this need locally, where approximately 450,000 people grapple with the challenges of ASD. Anesi’s significance extends beyond technological innovation; it embodies a compassionate response to a pressing societal concern. Autistic meltdowns often disrupt daily life and pose difficulties for individuals and their families. Anesi steps in to mitigate these disruptions by offering timely alerts to parents and caregivers through a dedicated mobile application.

**Website:** https://sites.google.com/view/anesi-dz
Target Beneficiary Groups: DISB

WSIS Action Lines: 3, 4, HEA, 8

SDGs: SDG3, SDG17

Stakeholder Type: Private Sector

Country, Region: Algeria, Africa
Title: Provincial Scale-up of phone-based conditional cash transfers (mCCTs) for Immunization in low-coverage districts of Pakistan

Description: "Introducing mobile phone-based Conditional Cash Transfers (mCCTs) for immunizations is a powerful strategy to increase demand and uptake for routine childhood immunization services in low and middle-income settings. We proposed to disburse a small amount of automatic mobile airtime cash incentives to caregivers of 0-23 months children from the most vulnerable districts of Sindh province, Pakistan. The primary objectives of the mobile phone-based conditional cash transfers (mCCTs) for immunization, aka Choti Khushi (Little Joy) Immunization Incentive Support Program, are 1. To improve immunization coverage, timeliness, geographic, and gender equity 2. To improve immunization outcomes of zero-dose and under-immunized children 3. To increase data-driven decision-making for improving public service delivery Our proposed solution is based on a prior design validated in a three-year randomized control trial in a semi-urban town of Karachi, Pakistan. It was designed to determine the impact of small conditional cash transfers (CCTs) of different CCT schedules, amount, design, and mode of incentive (airtime or mobile money) on immunization outcomes of children (0-23 months). The trial showed significant improvements in coverage relative to the control arm (62.7% vs. 55.5%). Mobile airtime as the incentive mode helped achieve better immunization coverage (64.2% vs. 60.8) compared to mobile money. Based on the effectiveness of the trial, we proposed a scale-up that offers to disburse a small amount of mobile airtime incentive (USD 1.3/PKR 200) to child caregivers in each visit for six visits in the most vulnerable and high-risk districts. From Jan 25, 2022 – Jun 30, 2023, 733,685 children were enrolled in the mCCTs for Immunization program with 1,700,451 immunization events. Mobile airtime has been automatically transferred 1,745,970 times with a success rate of 98%. It is currently used by >850 vaccinators working at >400 immunization centers."

Website: https://www.youtube.com/watch?v=TZL0aU7P_OQ

Target Beneficiary Groups: YOUTH, RURL

WSIS Action Lines: HEA

SDGs: SDG3, SDG5, SDG17

Stakeholder Type: International Organization
Title: Highly Integrated, Digitally Enabled Communicable Diseases Program (DECDP)

Description: We faced significant challenges in the communicable diseases program, chiefly due to reliance on manual processes. This traditional approach resulted in delays in disease notification and case confirmation, inefficient reporting, lack of integration with school health data, and cumbersome patient tracking. Recognizing the need for a digital overhaul, EHS embarked on a transformative journey. The primary objectives of this digital transformation were to integrate the communicable disease program with school health and primary and secondary healthcare, significantly reduce notification times, streamline case investigation and management, improve patient tracking through digital registries, and enhance patient engagement with better educational tools and patient portal platforms. Key achievements of this digitally integrated program include standardized practices, guided workflows, and seamless care integration across different healthcare levels. The program has reduced the average case notification time from 12 hours to real-time, maintained efficient turnaround times for case notifications, and reduced the number of case investigation forms from 40 to a single integrated form. Enhanced with telehealth capabilities, real-time data insights, and an Artificial Intelligence model predicting disease probability with over 90% accuracy, the program has significantly improved process efficiency, patient management, and healthcare staff experience, aligning with the quadruple aims of healthcare.

Website: https://www.ehs.gov.ae/

Target Beneficiary Groups: YOUTH, OLDP, WOMN, POOR, MIGR

WSIS Action Lines: 3, 4, 5, GOV, HEA, 10

SDGs: SDG3, SDG4, SDG8, SDG9, SDG11, SDG17

Stakeholder Type: Government

Country, Region: United Arab Emirates, Asia and Pacific
Title: Check Me

Description: Check Me aims to address the pressing issue of breast cancer by developing a comprehensive mobile application. This solution has three objectives: to increase awareness about breast cancer risks, promote early detection through self-checks, and provide affordable access to specialized medical care. The approach is to leverage technology's power to create an accessible and user-friendly platform. The mobile application is a one-stop resource, providing educational content, guidance for self-checks, and connections to breast cancer specialists. By combining these elements, the project empowers women to take charge of their breast health and enables early detection, which is crucial for successful treatment outcomes. The project aims to demystify breast cancer and break down societal barriers preventing women from seeking timely medical assistance by increasing awareness. By guiding self-checks, the application encourages women to regularly monitor their breast health, leading to early detection of abnormalities and potential early intervention. Furthermore, connecting women with breast cancer specialists at affordable prices ensures that all women, regardless of their income, have access to expert advice and personalized guidance. The overall impact is twofold: saving lives and improving quality of life. By facilitating early detection, the project aims to reduce the mortality rate of breast cancer. The timely diagnosis and treatment made possible through the application can increase survival rates and improve treatment outcomes. Additionally, by providing accessible information and support, the project empowers women and contributes to their overall well-being, instilling a sense of control and resilience. Through this innovative solution, we aim to create a lasting social impact by addressing the breast cancer problem in our society. Promoting awareness, early detection, and affordable access to specialized care, we strive to improve breast cancer outcomes and empower women to prioritize their health.

Website: https://checkmeapp.io

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

WSIS Action Lines: 3, 4, HEA

SDGs: SDG3, SDG5, SDG10

Stakeholder Type: Private Sector
Title: Bionic Limbs

Description: "Bioniks is a social enterprise empowering lives and turning disability into new possibilities by providing cost-effective, most advanced, AI-powered, brain controlled highly functional prosthetic limbs and other assistive devices to people with limb differences and other physical disabilities of all age groups. Our motivation stems from the belief in equality, inclusivity, and the transformative power of technology. We are
driven by the desire to address the challenges faced by individuals with limb differences, including young girls abandoned to orphanages and women facing adversity. We are committed to empowering them, providing opportunities for education, employment, and a better quality of life. Through our solution, we aim to create a profound impact on the lives of individuals with limb differences. We envision increased mobility, improved functionality, enhanced psychological well-being, and expanded educational and employment opportunities. Our goal is to foster independence, social inclusion, and an overall improved quality of life for our beneficiaries.

**Website:** https://bioniks.org/services/

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, DISB

**WSIS Action Lines:** 3, BUS, HEA

**SDGs:** SDG1, SDG3, SDG8, SDG9, SDG10, SDG17

**Stakeholder Type:** Private Sector

**Country, Region:** Pakistan, Asia and Pacific

---

**Title:** The HealthTech Hub Africa (HTHA)

**Description:** HTHA, is a hybrid pan-African health tech accelerator, with a physical co-working and community space at the Norrsken House in Kigali, Rwanda. Its goal is to drive the development of health technologies in Africa and fast-track their implementation in public health systems through collaboration with government partners. By doing so, HTHA aims to assist African governments in addressing major health challenges faced by low-income and underserved populations.

**Website:** https://thehealthtech.org/

**Target Beneficiary Groups:** OLDP, INDG, DISB, POOR, RURL

**WSIS Action Lines:** 1, HEA

**SDGs:** SDG3, SDG4, SDG8, SDG9, SDG10, SDG17

**Stakeholder Type:** Private Sector
Title: Intelehealth

Description: Intelehealth aims to revolutionize healthcare delivery in LMICs through an open-source telemedicine software platform built as a Digital Public Good. Faced with immense public health challenges, including an alarming rate of medical errors and a shortage of healthcare workers, LMICs require innovative solutions to improve access to quality healthcare, especially in rural and underserved urban areas. Intelehealth is solving this last mile health crisis through our innovative low-bandwidth telemedicine platform. Our telemedicine platform comprises a Provider-to-Provider portal, and a Patient-to-Provider portal, all powered by a novel digital assistant called Ayu. Ayu is a decision support system that contains 150+ evidence-based protocols for delivering high-quality health services and improving patient outcomes. Ayu helps to shift the crucial task of clinical history-taking from a qualified doctor to that of a semi-skilled health worker, thereby supporting local health workers to provide evidence-based health services. For conditions that are beyond the capacity of the health worker, it can connect the health worker and patient with a virtual doctor over telemedicine, leading to conclusive diagnosis. All three modes of communication - text chat, audio & video calls - are supported. Through a digital assistant + telemedicine we can address up to 70% of primary care conditions faced by women. Intelehealth works with existing healthcare networks in a country to set up a telehealth program. We work with governments, NGOs and hospitals who already have networks of community health workers, referral hospitals and pharmacies. We add on virtual-care delivery to these existing systems expanding their reach and making doctors available at the last mile. To date, Intelehealth has covered 46.2 Million population and enabled over 1.6 Million consultations, supported 7633 frontline health workers & 1765 doctors in India, Kyrgyzstan & Syria.

Website: https://intelehealth.org/

Target Beneficiary Groups: OLDP, WOMN, DISB, POOR, RURL

WSIS Action Lines: 3, HEA

SDGs: SDG3, SDG5, SDG17
Stakeholder Type: Civil Society

Country, Region: India, Asia and Pacific

Title: The use of electronic Event-Based surveillance for facilitation of early detection

Description: To reduce the damage outbreaks of infectious diseases, due to the general public's health, they must be quickly located and dealt with. Strengthening surveillance health systems is necessary for improving outbreak detection, enabling quick action, and enabling control measures. In surveillance, we have Indicator based surveillance and event-based surveillance, whereby Indicator-Based surveillance focused on the routine data reporting from the predefined case definition within the health facilities and Event-Based Surveillance is the proactive monitoring and event detection strategy for a particular environment or system. In order to detect and react to particular events or anomalies in real time, it makes use of a variety of sensors, data analytics methods, and decision-making algorithms. Electronic Event-Based Surveillance’s benefits are increased security, better situational awareness, and quick decision-making. EBS enables effective resource allocation and lowers the possibility of false alarms by focusing on particular events or patterns rather than continuously monitoring the entire system. Taking into consideration the COVID019 pandemic which it has affected almost all countries and this proves that the detection mechanism is the problem and needs to be addressed by using the electronic Event-Based Surveillance in order to accommodate early detection to facilitate taking actions.

Website: https://play.google.com/store/apps/details?id=tz.go.moh.eidsr&hl=en&gl=US

Target Beneficiary Groups: NULL

WSIS Action Lines: GOV, HEA

SDGs: SDG3

Stakeholder Type: Government

Country, Region: United Republic of Tanzania, Africa
Title: Kyabirwa Surgical Centre: leveraging the power of digital technology and solar energy

Description: Enabled by the power of digital technology and data, Global Surgical Initiatives’ (GSI) flagship centre, the Kyabirwa Surgical Centre (KSC) in eastern Uganda, is demonstrating the feasibility of adapting to, and mitigating, the impact of climate change while filling 80% of the local surgical care gap. Established in 2019 by members of the Mount Sinai healthcare system (USA), KSC is a woman-led center of excellence for research, training and care providing safe, quality, and affordable ambulatory general surgery, laparoscopic and endoscopic procedures, fully powered by renewable energy (solar and collected rainwater). Leveraging the power of fiber optic and mixed reality technology such as Microsoft’s HoloLens, KSC builds local surgical workforce capacity through remote telementoring, including telesurgery, teleradiology, and telepathology, effectively connecting surgeons at Mount Sinai hospital in New York to those in the operating room at KSC. The use of cloud-based technology further enables the management and use of electronic health records to capture, track, and report on clinical and energy outcomes. Health and energy data are used to improve care quality and efficiency, and track energy usage and savings. In 2023, linked health-energy outcomes were sold on the financial market as a health distributed Renewable Energy Certificates (d-REC) bundle, creating a mechanism for KSC and other Uganda-based solar healthcare facilities to sustainably support their operation and maintenance costs. Since its inception in 2019, KSC has completed over 4000 surgeries, trained 11 surgeons, reached over 3,800 individuals across 124 villages through its community outreach program, and resulted in a net impact of over $USD 3 million (calculated as the saved productivity from averted Disability-Adjusted Life Years minus the operating cost of the surgical center). KSC has, and is, developing supporting mobile apps to (i) track and address post-operative outcomes at community-level and (ii) optimize surgical healthcare workflow.

Website: https://www.kyabirwasc.org/

Target Beneficiary Groups: YOUTH, OLDP, WOMN, DISB, UNEMP, POOR, RURL

WSIS Action Lines: 3, HEA, ENV, SCI

SDGs: SDG3, SDG5, SDG7, SDG8, SDG10, SDG13

Stakeholder Type: Civil Society
Country, Region: Uganda, Africa

Title: **Oky, the Period Tracker App for Girls by Girls**

Description: "Menstruation is still taboo and shrouded in secrecy around the world, even though it is a natural occurrence for more than 1.8 billion women and girls every month. Adolescent girls face multiple challenges to menstrual health. One of them is accurate, adolescent-friendly information about periods and puberty. Girls often meet silence or myths. Too often they are shamed and bullied, face restrictions and social isolation.

Oky is the first-of-its-kind open-source mobile period tracker and MHH-SRH education app co-created with and for girls in LMICs. Oky is an approved digital public good and illustrates innovative tech design that tackles both the taboo, stigma, misconceptions, harmful practices, and lack of quality information on menstruation and adolescent health - and the gender digital divide. Oky is built together with girls to meet their digital realities (connectivity, devices, literacy, online safety, gatekeepers). As a result, Oky is gamified and easy to navigate by design, digitally inclusive for girls with disabilities, fully functions offline, takes little storage space on the mostly low-end devices that girls have access to, is compatible with older software and accommodates phone sharing, has high data protection and privacy by design, and is entirely free, without advertisements. By using Oky, adolescent girls learn about their body, puberty, and reproductive health in positive and empowering ways, while practicing and improving their digital literacy.

Oky has been localized and deployed in 11 countries, reaching almost half a million users. Target users of the Oky global app (long term (3+months) female users aged 10-19) said they had learned new information from using Oky (82%), including access to inclusive and equitable access to healthcare and understood more about periods because of Oky (83%), through evidence-based information in girl-friendly and empowering language."

Website: https://youtu.be/EA_HsuCphP8S

Target Beneficiary Groups: YOUTH, WOMN

WSIS Action Lines: 3, LEA, HEA, 8

SDGs: SDG3

Stakeholder Type: International Organization
**Country, Region:** Bangladesh, Asia and Pacific

**Title:** Rapidose Application

**Description:** A software application that provides a database for the commonest drugs in the pediatric practice with their adult dose and concentration/syrup bottles, it also provides pediatric dose calculation depending on either weight or age as well as quantification of the calculated drug dose from the commonly available syrup bottles "how much ml is needed out of a syrup bottle with a certain concentration mg/ml". We already have a prototype of a desktop application that provides a database for common pediatric drugs in the Egyptian market for the moment, with the ability to calculate the pediatric doses based on either the weight or age of the child, and furthermore quantifying the volume needed of the syrup from commonly available syrup concentrations in the market of each drug.

**Website:**
https://drive.google.com/file/d/184m3elR52qh9jihylHj2w7uHajRhSmWQ/view?usp=sharing

**Target Beneficiary Groups:** YOUTH

**WSIS Action Lines:** 3, HEA

**SDGs:** SDG3
**Stakeholder Type:** Academia  
**Country, Region:** Mexico, Latin America and the Caribbean

**Title:** Global Digital Health Certification Network (GDHCN)  

**Description:** WHO’s Global Digital Health Certification Network (GDHCN) is an open-source platform, built on robust & transparent standards that establishes the first building block of digital public health infrastructure for developing a wide range of digital products for strengthening pandemic preparedness and to deliver better health for all. The GDHCN can be used as an infrastructural building block to support additional use cases, which may include, for example, the digitisation of the International Certificate of Vaccination or Prophylaxis, verification of prescriptions across borders, the International Patient Summary, verification of vaccination certificates within and across borders, and certification of public health professionals (through WHO Academy). Expanding such digital solutions will be essential to deliver better health for people across the globe. The GDHCN leverages the ITU x509 standards as central part of the Public Key Infrastructure used for the issuance and verification of digital health documents.

**Website:** https://www.who.int/initiatives/global-digital-health-certification-network  

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL  

**WSIS Action Lines:** 2, 5, HEA, 11  

**SDGs:** SDG3, SDG9  

**Stakeholder Type:** International Organization  

**Country, Region:** Switzerland, Western Europe and North America
WSIS Action Line C7.

ICT Applications: E-Employment

Title: BAKTI ICT Vocational Training

Description: The geographical and technological constraints unique to the rural and remote areas (or 3T regions) in Indonesia impose barriers for existing formal education programs often induced by the limited access to reliable internet, a low teaching output, and a low digital literacy index that interferes with the formal education program’s ability to deliver digital skills training. Hence, non-formal education programs that supplement existing formal education programs to facilitate digital training in Indonesia’s 3T regions is paramount in stimulating the growth of digital talents. As BAKTI continues to play an integral role in bridging the digital divide by building ICT infrastructure to universalize internet access, we have designed a series of complementary digital training programs aimed at optimizing the productive utilization of the ICT infrastructure and to deliver a new wave of digital talent from Indonesia’s 3T regions. To accomplish this mission, BAKTI launched ICT Vocational Training, a certified free digital training program to educate and upskill individuals in 3T regions that receive BAKTI’s universal service obligation (USO) internet access. The training program encapsulates three integrated and interconnected sub-programs with digital training provided in Occupational, Safety, and Health Standards, Basic and Intermediate Network Infrastructure, and Project Management. The program
acquired a total of 100 participants in 2022 and supported by BALITBANG (Research and Development Division) and a consortium of ICT Infrastructure Providers.

**Website:**  https://docs.google.com/document/d/1iA33oOSJ5m7KamcP2hKYQbAbt4CC9-tP/edit?usp=drive_link

**Target Beneficiary Groups:** YOUTH, UNEMP

**WSIS Action Lines:** 4, EMP

**SDGs:** SDG8, SDG9

**Stakeholder Type:** Government

**Country, Region:** Indonesia, Asia and Pacific

---

**Title:** OGC

**Description:** OGC is an online solution tailored to assist key account employers in their extensive recruitment initiatives, urging them to utilize our online services for transparent and traceable job offer processing. ANEM’s goal is to support key account employers in nationwide mass recruitment.

A key account employer, defined as a parent company with multiple subsidiaries, expresses the need for extensive hiring in large-scale national projects. The OGC is directly linked to the ANEM information system, facilitating the entire recruitment process—from posting vacancies and defining profiles to candidate selection, interview tests, and final candidate selection. The platform ensures online notification and SMS messages for selected candidates, along with online access to interview schedules and results.

OGC complies with the interministerial circular governing job offer in the southern region of Algeria. The candidates receive their interview appointment through their online account, indicating the date, time, and location of the interview, and can print it if needed.

**Main Features:**

- EXCLUSIVELY online submission of a major account offer
- A single offer can contain several requested profiles and several workplaces
Online interview scheduling by the employer

Employer input of interview results  Notification management

Goals:

Reduced time to process job offers

Enhance transparency and monitor compliance with procedures

Follow up on interview tests

Ensuring feedback on recruitments.

Website: https://wassitonline.anem.dz/

Target Beneficiary Groups: UNEMP

WSIS Action Lines: EMP

SDGs: SDG8

Stakeholder Type: Government

Country, Region: Algeria, Africa
Title: Innobid

Description: Innobid is an e-procurement solution that seeks to automate the public procurement process to reduce risk and cost of bids screening. The system leverages AI and Machine Learning to detect and flag anomalies in the bids submitted in order to predict and combat corruption before it happens and incorporates citizens in monitoring the procurement process to foster a culture of accountability, transparency and trust. The solution also promotes a competitive bidding process that levels the playing field for businesses of all sizes. Unlike the conventional reactive approach, our solution is predictive and seeks to detect and flag corruption(anomalies) before it happens saving the government entities, law enforcement, the judicial system and general citizens resources and time.

Website: https://innobid-webpage.onrender.com

Target Beneficiary Groups: NULL

WSIS Action Lines: EMP, 8

SDGs: SDG8, SDG10
Title: **AI+5G empowered Blue Growth**

**Description:** The sea has always been a weak area of communication network coverage. Traditional maritime communication includes dedicated maritime communication system and commercial satellite communication, which can only solve the most basic needs with limited effects, like emergency rescue, ship positioning, etc. This is far from meeting the increasing demand for connection, people's life and work improvement and economic growth.

The marine economy is the most dynamic and promising area for economic growth. Good 5G network coverage is an important building block for the development of smart marine applications, which helps to draw a new blueprint for marine digital economy and is an important engine for creating new employment opportunities and improving living standards for people in coastal areas.

In this regard, China Mobile has created a "Blue 5G" solution, leveraging emerging technologies such as AI image recognition to realize accurate simulation of 5G site planning, fault prediction and prevention, solving the unique pain points of ocean 5G coverage like sea area map missing, sea area network planning, service activation and experience assurance, and provided better experience and higher guarantee for 5G business scenarios in sea areas. It has realized the provision of marine 5G ultimate experiences for all users on the 1046-kilometer long coastline.

The solution has been firstly deployed in China Mobile Fujian, and has achieved full coverage of 50 kilometers offshore area (number in the past is less than 3 kilometers), providing an excellent user experience with downlink over 400M and uplink of over 100M. The number of users surged by 141%, and the split ratio increased by 15.5%.

**Website:**

**Target Beneficiary Groups:** REFG
WSIS Action Lines: EMP

SDGs: SDG1, SDG8, SDG11

Stakeholder Type: Civil Society

Country, Region: China, Asia and Pacific

Title: Her Power Project

Description: Her Power Project is a Bangladeshi initiative co-powered by Riseup Labs. It is a significant initiative aligned with the visionary 'Digital Bangladesh – Vision 2041' of the Bangladesh government. The aim is to empower women and enhance transparency, accountability, and governance across all levels and sectors. It connects citizens, ensuring access to essential services even in the remotest corners of Bangladesh.

Objectives: The Her Power Project aims to train 25,125 women in various categories across 130 upazilas and establish a single women entrepreneurship platform for them as ICT professionals and entrepreneurs.

Results: i) 10,500 women are trained in critical digital skills, preparing them for the freelance market. ii) Increased income for participating women, leading to
improved well-being and family security. iii) Creation of a network of skilled female freelancers contributing to the global talent pool. Impact: Her Power Project recognizes the need for the full participation of women in ICT-related activities for Bangladesh’s long-term economic stability and prosperity. The project has empowered 6,720 women to pursue careers as entrepreneurs in the ICT business by providing training and internship opportunities.

**Website:** https://herpower.gov.bd/

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, UNEMP, RURL

**WSIS Action Lines:** EMP

**SDGs:** SDG5

**Stakeholder Type:** Government

**Country, Region:** Bangladesh, Asia and Pacific

---

**Title:** Kawader

**Description:** Kawader is a government platform for coordinating recruitment, targeting Qatari job seekers and Qatari employees. Through Kawader, entities from various sectors in the country (public and private) can register in the platform and showcase available job opportunities. Jobseekers can register, create their CVs, showcase their experiences on the platform, browse jobs, apply for suitable positions, and electronically follow the stages of the application process. The platform also provides a range of electronic services, such as obtaining a certificate of unemployment and activate accounts.

**Website:** https://www.kawader.gov.qa/home

**Target Beneficiary Groups:** UNEMP

**WSIS Action Lines:** EMP

**SDGs:** SDG5, SDG8

**Stakeholder Type:** Government

**Country, Region:** Qatar, Asia and Pacific
**Title: Automatic Job Candidates Selection (AJCS)**

**Description:** To hire employees, CVs are screened manually by the Human Resource staff. This process takes a lot of time and human effort. Based on some criteria, job candidates are selected. Among these criteria we can mention qualifications, experience, skills, employment history, etc. These criteria are matched against the job description. In our project, we propose to develop a web based application that allows an employer to describe a job position by entering the job description, job responsibilities, etc. In addition, a job candidate can enter his qualifications, skills, employment history, etc. Our application uses Natural Language Processing techniques to represent a job announcement and all its associated job applications. Among these techniques, we will use bag of words (BOW) and word embedding techniques (e.g. Doc2Vec, Word2Vec). After representation, the similarity between the job announcement and each job application is calculated using different similarity metrics such as Cosine, Euclidean, etc. Based on the similarity score between the job announcement and all job applications, job candidates are ranked and a short list of candidates will be provided to the HR department. From this short list, the HR staff will select the top candidates for an interview.

**Website:** Not implemented yet

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 1, 3, GOV, BUS, LEA, HEA, EMP, ENV, AGR, SCI

**SDGs:** SDG9

**Stakeholder Type:** Academia

**Country, Region:** Oman, Asia and Pacific

---

**Title: Polish Graduate Tracking System (ELA)**

**Description:** The Polish Graduate Tracking System (ELA) presents information on the earnings of the alumni of specific faculties and universities. It allows prospective students
to make more informed choices about their studies. Geared primarily towards secondary school and university students, the system has also become popular with education institution authorities and those intrigued by the circumstances of Polish graduates in the labour market. ELA data can be explored and filtered by university, field of study, city, region, study cycle, specific period of time, and other parameters. Users can examine essential details, including earnings, unemployment rates, and the time required to secure a job, arranging the information in the manner most convenient for their needs. They can build personalised rankings and create infographics for enhanced clarity of their comparisons. ELA offers a variety of reports, analyses, and data sets, addressing diverse needs. The system also features expert commentaries providing insight into the current situation in and distinct features of local labour markets.

Website: https://ela.nauka.gov.pl/en

Target Beneficiary Groups: YOUTH

WSIS Action Lines: 1, 3, EMP

SDGs: SDG4, SDG5, SDG8, SDG9

Stakeholder Type: Government

Country, Region: Poland, Eastern Europe

Title: TrustIn: Tech To Combat Workplace Sexual Harassment In The Global South

Description: At TrustIn, we believe everyone should feel safe and empowered to pursue their goals. And we know this sense of safety matters at the workplace- companies and colleges- where we spend most of our time. Our secure, sensitive SaaS solution enables workplace safety at scale through reporting and redressal of sexual harassment in a compliant and comprehensive manner. We’re currently working with 55 organizations and serving 37500+ employees. We also have add-on features to support compliance such as a legal chatbot, annual report generation and submission, and roster of POSH [Prevention of Sexual Harassment law] experts, to support companies at all stages. With our tech system’s two-pronged approach, of enabling employees through awareness of their rights and empowering them to access complaint reporting, while also supporting employers to
effectively institute autonomous in-house civil courts/committees to redress these complaints within the company, TrustIn’s long term goals and execution focus areas include:

1. Standardise: Distil and deploy protocols around complaint reporting, case handling, trauma-informed interventions
2. Awareness: Develop and contextualise resources and trainings for upskilling, awareness, and access in various vernacular languages and symbolic representations
3. Trust and security: Internationally accepted protocols for data handling in the private, legal sectors
4. Integration: Across diverse fields such as legal experts, civil societies, private sector, and HR/DEI professionals
5. Enablement: Advance the conversation and execution around a largely-remote, safe, inclusive workplace in the emerging digital world of work.

Website: https://www.trustin.co.in/

Target Beneficiary Groups: NULL

WSIS Action Lines: 5, EMP

SDGs: SDG3, SDG5, SDG8, SDG10, SDG16

Stakeholder Type: Private Sector

Country, Region: India, Asia and Pacific

Title: Humans in the Loop

Description: Humans in the Loop is an award-winning social enterprise promoting the inclusion of conflict-affected and displaced people in the digital labor market. Founded in 2017 in Bulgaria, we have provided paid online employment opportunities to more than 1000 people across the Middle East, Eastern Europe, and Africa and have further upskilled 500 of them in digital skills and English. We operate in some of the most challenging regions of the world, including Syria, Afghanistan, DRC, and Ukraine, and we partner with local NGOs in order to reach the underserved, with a special focus on women who comprise 53% of our workforce. The work that we provide is easy and accessible and fuels one of the most exciting industries: Artificial Intelligence. Our workers learn how to annotate data for AI systems, including computer vision and chatbots, and how to provide much-needed human insight. To date, we have provided diverse human input to more than 100 AI companies, and have developed proprietary trainings on data annotation, bias
in AI, cybersecurity, etc., which help to promote our workers' data and AI literacy. To date, we have distributed more than 1.2 million EUR in earnings to our workers.

Website: https://humansintheloop.org

Target Beneficiary Groups: WOMN, REFG

WSIS Action Lines: 3, EMP, 9

SDGs: SDG1, SDG4, SDG5, SDG8, SDG10, SDG17

Stakeholder Type: Private Sector

Country, Region: Bulgaria, Eastern Europe

Title: **Unified Labour & Employment Subsystem**

Description: The Unified Labour & Employment Subsystem (EMAS) is a digital solution implemented in Azerbaijan to modernize and improve the labor market. Its objectives are to create a transparent labor market, promote fair competition, protect labor rights, and enhance access to employment opportunities. EMAS serves as a central hub that integrates various components, including the employment platform and registers of employed and unemployed individuals. EMAS takes a comprehensive approach to address the challenges faced by the labor market. It offers innovative features such as job searching, employee hiring, employment regulation tools, workforce management, and transparency/reporting. The system facilitates the transition from paper-based to electronic labor contracts and digital personnel records, eliminating the need for outdated documents and physical inspections. By providing online services, EMAS improves access to job opportunities for job seekers and simplifies labor processes for employers. It maintains a real-time database of job vacancies and generates personalized employment programs for the unemployed, matching their qualifications with suitable jobs. The system empowers employees to manage their labor contracts, access information about their employment, and review relevant orders from employers. EMAS benefits employers by facilitating efficient human resource management, compliance with labor laws, and streamlined recruitment processes. The system's impact is measured through the number of active users and feedback from stakeholders and citizens. EMAS stands out from other digital government programs by its specific focus on the labor market and its tailored features.
for labor market stakeholders. It distinguishes itself through its comprehensive integration with multiple government systems, ensuring accurate and up-to-date information. With its replicable model, EMAS has the potential to inspire similar initiatives in other regions facing labor market challenges.

**Website:**  

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 1, EMP

**SDGs:** SDG8, SDG10, SDG16

**Stakeholder Type:** Government

**Country, Region:** Azerbaijan, Eastern Europe

---

**Unified Labour & Employment Subsystem**

*A central hub for streamlining labor relations and employment opportunities in the Republic of Azerbaijan*

---

**Challenges**

The challenge that Labour & Employment Subsystem (EMAS) addresses in Azerbaijan is the need to modernize and improve the labor market. Prior to the implementation of EMAS, the labor market faced issues such as lack of transparency, inefficiencies in employment processes, and limited access to reliable job information.

To address these challenges, EMAS was implemented as a comprehensive digital solution. It aims to create a modern and transparent labor market that adheres to international standards and promotes fair competition, social protection, and labor rights. By providing online services to employers and job seekers EMAS improves access to job opportunities, simplifies labor processes, and enhances the efficiency and transparency of the labor market.

Through the implementation of EMAS, Azerbaijan aims to contribute to the achievement of SDGs, particularly SDG 8 (Decent Work and Economic Growth), SDG 10 (Reduced Inequalities), and SDG 16 (Peace, Justice, and Strong Institutions).

---

**Title:** DIGITAL EDUCATION 4 SDG
Description: Digital Education for Sustainable Development is a unique approach to catalyzing sustainable development through innovations in Digital and Green enterprise solutions and technologies. Here, through innovations and deployment in Digital Technologies, we train, mentor and empower locals to become social innovators, green and digital entrepreneurs to providing decent works and means of livelihood. The project’s implementation through public and private partnerships, especially among universities in Nigeria and some regions of Africa, has resulted in the empowerment of most graduates from the universities and colleges as Digital entrepreneurs, Green enterprise promoters, and social innovators. The implementation of this project around the Niger Delta region, for instance, has resulted in mass Poverty, Hunger, Social injustices, and Climate Change effects eradication. Most gender folks—youths and women that were idle and restive have now been gainfully employed as Digital Entrepreneurs and social innovators working and earning decent means of income from home or as green entrepreneurs working in the smart gardens through our VIRTUAL-TO-PHYSICAL ORGANIC Gardening concept as a component of this project. Through the direct application of the training by the graduates from the participating universities, who are now self employed and employers of labor through the direct application of this unique concept and innovations.

Website: https://www.facebook.com/hetavednetworks

Target Beneficiary Groups: NULL

WSIS Action Lines: 1, 2, EMP

SDGs: SDG1, SDG8

Stakeholder Type: Private Sector

Country, Region: Nigeria, Africa

Title: Conecta Empleo – Orientation and training for the digital transition

Description: Conecta Empleo is a multicountry and free initiative aimed at improving citizens’ digital employability. In a constantly evolving labour market driven by multiple transitions, it is key to understand trends and constantly upskill and reskill to profit from
the opportunities driven by the digital transition. Conecta Empleo offers digital tools that allow to gain a better understanding of the labor market, the most in-demand digital professions and the skills required for each of them. Using AI and Big Data, Conecta Empleo offers real time information of digital labor demands, from a regional, country or local perspective (Map of Employment). This turns to be a first level of orientation which can be even more personalized by using the Virtual Professional Advisor. Additionally, Conecta Empleo offers training on different digital and soft skills required by the labour market. The training offer adapts to different profiles, ranging from digital literacy to digital empowerment. Some of the learning journeys have been specially designed and adapted for specific productive sectors, such as construction, transportation and horto-fruticole.

Conecta Empleo relies on public and private partnerships to gain scale, both to enrichen the information displayed by the tools and also to reach final users. So far, there are more than 200 active partnerships in Spain and Latin America (Ministries, Academia, multilaterals, NGOs among others).

Website: https://www.fundaciontelefonica.com.pe/empleabilidad/habilidades-para-el-empleo/

Target Beneficiary Groups: UNEMP

WSIS Action Lines: 3, 4, LEA, EMP

SDGs: SDG5, SDG8, SDG10, SDG17

Stakeholder Type: Private Sector

Country, Region: Spain, Western Europe and North America

Title: Code Your Future

Description: Code Your Future (CYF) is a transformative, tech-driven education program dedicated to providing disadvantaged individuals with the skills and support to secure employment as software developers. Our training, led by professional tech sector volunteers, covers software development fundamentals along with professional development sessions, aiming to prepare our trainees comprehensively for the tech industry. Offering free classes, we work to eliminate barriers to education, such as poverty or lack of resources, thus opening doors to stable, rewarding careers in tech. CYF's impact
is demonstrated by our alumni working in prestigious companies such as Slack, Capgemini, Thoughtworks, Deloitte, BBC, AWS, and more. Since our inception in 2016, we’ve empowered over 300 graduates, improving income potential and job stability for those most in need.

**Website:** https://codeyourfuture.io/

**Target Beneficiary Groups:** DISB, UNEMP, POOR, REFG, RURL

**WSIS Action Lines:** 3, 4, 5, LEA, EMP, 10

**SDGs:** SDG1, SDG4, SDG8, SDG10

**Stakeholder Type:** Civil Society

**Country, Region:** United Kingdom, Western Europe and North America

---

**Title:** Piloting sanitation interventions in informal settlements

**Description:** The global sanitation workforce bridges the gap between sanitation infrastructure and the provision of sanitation services through essential public service work, with informal sanitation workers often performing the work at the cost of their dignity,
safety, and health as their work requires repeated heavy physical activities such as lifting, carrying, pulling, and pushing (9). Without the capacity building of informal workers, informal dwellers face an increasingly unhealthy, unstable future and poor access to quality sanitation services (10,11). In addition, increased poverty levels experienced in these areas reduces access to safe protective gear used by sanitation workers while handling waste mater/cleaning the facilities (12). This may expose them to a wide range of disease-causing pathogens which could otherwise be prevented through awareness creation/knowledge dissemination. Capacity building of informal sanitation workers is usually unrecognized and undervalued, yet, it increases work ethics, allows individuals to advocate for their ideas, and offers a format to gather advice or guidance based on the community’s expertise and experiences (14,15). Also, analyzing the level of hand contamination among these groups, which is also under-researched, may increase usage/amplify the need to use protective gear while they are working thus minimizing exposure levels to disease-causing pathogens. Capacity building of informal sanitation workers on these community-identified sanitation best practices could also act as a natural step in the push to get community stakeholders involved in charting the course towards better sanitation service delivery, and for enhanced responsiveness in sanitation service delivery. The rationale is not only that the bottom-up approach is vital to supplement top-down efforts, but it is also to test how useful and effective providing participatory evidence would empower community efforts for quality sanitation services in Korogocho and Viwandani informal settlements, Nairobi.

Website: https://www.researchgate.net/profile/Ivy-Chumo

Target Beneficiary Groups: WOMN, POOR

WSIS Action Lines: 1, 3, HEA, EMP

SDGs: SDG3, SDG6, SDG8, SDG11

Stakeholder Type: Academia

Country, Region: Kenya, Africa

Title: Profilum

Description: Profilum is a private company from Moscow (Russia) that provides innovative digital tools for assessment and development of human capital with the focus on skills for
The company’s social mission is to help individuals, educational organizations, and governments on all levels increase people’s quality of life and the overall sustainability of the society. While no community can be truly sustainable without a flexible education system that reflects the needs of the market, as well as without the youth understanding which career path suits them the best, Profilum has developed digital tools that contribute to the solution of both these tasks. The company provides parents, schools, and local authorities with a set of online and offline innovative services. The cornerstone of them are digital tools and methodologies for the study of individual’s personality (such as interactive psychometric tests), and of labor and education markets (including big data and in-depth analytics). As data on the career and educational opportunities and risks are matched with teenagers’ predispositions, values, passions and skills, they receive tailored advice on further steps optimal for their self-development. This includes not only specific recommendations, but also decision-making support from tutors and industry experts.

Website: https://profilum.ru

Target Beneficiary Groups: YOUTH

WSIS Action Lines: 3, LEA, EMP

SDGs: SDG3, SDG5, SDG17

Stakeholder Type: Private Sector

Country, Region: Russian Federation, Eastern Europe

Title: Enabling 1 million women and girls coders by 2030 (iamtheCODE)

Description: iamtheCODE is a pioneering African-led initiative driving a global movement in STEAMED education (Science, Technology, Engineering, Arts, Mathematics, Entrepreneurship, and Design). Our mission is to mobilize governments, the private sector, philanthropic entities, and civil society to invest in future technologies. This investment aims to foster sustainable development for women, girls, and youth in marginalized communities worldwide. A core tenet of our work is empowering women and girls, directly aligning with the United Nations’ 17 Sustainable Development Goals (S.D.G.s). Our goal is
ambitious yet achievable: to enable 1 million young women and girls to become coders by 2030. This aligns with the U.N.’s 2030 Agenda for Sustainable Development and addresses critical global challenges such as poverty, environmental protection, and prosperity for all. To date, iamtheCODE has hosted over 400 events worldwide, especially in the U.K., U.A.E., Brazil, and Kenya, including Digital Clubs, Bootcamps, Mentoring Sessions, Design Thinking workshops, and Hackathons. These events provide youth from marginalized communities with hands-on experience in various technologies, equipping them with skills in languages like Javascript, Python, CoffeeScript, CSS, and HTML. Participants earn digital badges from IDEA.org.uk, marking their proficiency and progress and gaining access to our 12-week digital platform. The success of iamtheCODE has been bolstered by our partnerships with leading global organizations such as UNICEF, The World Economic Forum, U.N., UN-WOMEN, UBS Optimus Foundation, Unilever, Alibaba, EY, Skillsoft, Coursera, U.N.H.C.R., Microsoft, Salesforce, and the British Council. These collaborations enhance our reach and impact, bringing us closer to our goal of creating a more inclusive, equitable, and sustainable future for women and girls in technology.

Website: https://www.iamthecode.org/

Target Beneficiary Groups: NULL

WSIS Action Lines: 1, 4, 5, 6, EMP, 8, 10

SDGs: SDG3, SDG5, SDG8, SDG9, SDG10, SDG13, SDG17

Stakeholder Type: International Organization

Country, Region: United Kingdom, Western Europe and North America

Title: Zain’s Promotion of Women Empowerment & Inclusion

Description: Zain KSA is one of the Kingdom’s leading digital providers and an organization driven by a passion for corporate sustainability and innovation. For us, sustainability is rooted in the belief that contributing to the socio-economic development of the Kingdom creates value for all. Our successes as a company, including those related to ESG, stem from our corporate identity which favors sustainable growth coupled with innovation. Zain’s Corporate Strategy, Vision, and Values revolve around innovation, creating value for all stakeholders, sustainability, and customer excellence. Our 4-pillar
Corporate Sustainability Strategy addresses:

- Climate Change
- Operating Responsibly
- Inclusion
- Generation Youth

These pillars have been set to achieve meaningful connectivity at the level of ESG and are grounded in Saudi Vision 2030 goals and the UN’s SDGs. Globally, inequality remains quite prevalent in the ICT sector. However, we decided to change that locally. We were among the first telecom providers to implement diversity and inclusion initiatives, primarily focusing on creating an environment that is equally inclusive and empowering for all and aspiring to alleviate all types of discrimination.

Zain is the first Telecommunication company in the Kingdom to adopt a Women empowerment initiative aiming to increase female leaders and overall female participation in the Kingdom’s ICT sector through a supportive work environment which empowers them in order to not just benefit Zain but society. Over the last few years, the WE initiative has grown from strength to strength and broadened its focus on gender equality, which is a testament to the level of importance Zain KSA places on uplifting and empowering its workforce. It has spurred many successful programs and initiatives such as the Women in Tech program which continues to be a beacon to women studying STEM majors and who want to enter the ICT field. Zain provides skill development and mentoring programs.

Website: https://sa.zain.com/en/all-news/news-22-3-2023

Target Beneficiary Groups: WOMN

WSIS Action Lines: 5, BUS, EMP, 10

SDGs: SDG5, SDG8, SDG10, SDG17

Stakeholder Type: Private Sector

Country, Region: Saudi Arabia, Asia and Pacific

Title: National Intelligence for Skills, Education, Employment & Entrepreneurship (NISE)

Description: The National Intelligence for Skills, Education, Employment, and Entrepreneurship (NISE) which is the national match making platform concerning skills, employment and entrepreneurship, initiated by the Aspire to Innovate (a2i) Program in Bangladesh, aims to tackle the global challenge of youth unemployment by bridging the gap between skills and employment opportunities. NISE operates as a dynamic platform,
providing real-time data, fostering collaboration between government and industries, and offering comprehensive support to registered employable youths. Until now, over 300,000 jobs have been created, directly addressing youth unemployment. The platform’s integration with 32 government departments across 23 ministries focused on skills, employment and entrepreneurship demonstrates its significant influence on policy and administrative frameworks. Approximately 1 million youths have registered with the platform. The orientation of over 29,000 government officials reflects its widespread awareness and acceptance. In the targeted countries in Somalia and Jordan the system has already been replicated while in Ghana and Sao Tome Principe the process is ongoing. In the light of these, NISE has been established as a transformative force in addressing youth unemployment and fostering economic development.

Website: https://nise.gov.bd/

Target Beneficiary Groups: YOUTH, WOMN, INDG, DISB, UNEMP, POOR, MIGR, RURL

WSIS Action Lines: 3, 4, EMP, 11

SDGs: SDG4, SDG8, SDG17

Stakeholder Type: Government

Country, Region: Bangladesh, Asia and Pacific

Title: Smart Employee

Description: The ‘Smart Employee’ App revolutionizes staff management by providing an innovative, user-friendly, and efficient solution for a myriad of services. From leave applications to permissions, colleague communication, and notification approvals, it offers a seamless experience accessible anytime, anywhere. Powered by AI (CHATGPT), Smart Employee features a Digital Assistant capable of providing accurate and timely responses to inquiries about employee information, HR laws, and policies in any language. Catering to the diverse needs of managers, employees, and outsourcing requirements, Smart Employee serves 74 Dubai government entities, engaging over 73,000 employees with an impressive 99% usage rate. Developed centrally by Digital Dubai (in-house Development), it not only streamlines operations but also achieves over 95% cost savings by eliminating individual development and operation costs across government entities.
Additionally, it plays a pivotal role in advancing Dubai’s paperless initiative by digitizing more than 200 requests. Beyond traditional services, Smart Employee offers unique solutions such as the ‘Thank You’ feature for expressing gratitude, task management tools, an Analytic Hub, official correspondences, a newsroom, health insurance services, and a grievance system. This comprehensive approach fosters a collaborative work environment, aligning with Dubai’s commitment to employee development and satisfaction. The benefits of Smart Employee include: Quick Access: Instantly access a wide range of services anytime, anywhere. Paperless Convenience: Effortlessly submit various service requests without the need for paper. Integrated Services: Enjoy a unified platform for HR, Finance, Supply Chain, and more, including Medical Insurance and other services. Social Engagement: Foster a positive work culture through gamification and Thanks Cards for employee appreciation. Time and Effort Savings: Achieve a remarkable 95% time and cost savings, streamlining daily activities for enhanced efficiency.


**Target Beneficiary Groups:** YOUTH, WOMN, DISB

**WSIS Action Lines:** EMP

**SDGs:** SDG8, SDG9, SDG17

**Stakeholder Type:** Government

**Country, Region:** United Arab Emirates, Asia and Pacific
WSIS Action Line C7.

ICT Applications: E-Environment

Title: COP28UAE Adventures digital game to foster environmental awareness, sustainability (COP28UAE Adventures)

Description: The COP28UAE Adventures is an electronic game that aims to build environmental culture and awareness, as well as foster a generation that understands the importance of sustainability. The game aims to support the environment and climate action, enhance environmental awareness and principles of sustainability in various aspects of life, and urge community members to take measures to preserve nature, address climate change and ensure a sustainable future, and educate generations that preserving our planet and protecting life for present and future generations is a global responsibility. The game is available on the Apple store, Google Play, and Huawei. The game is also available in six languages: Arabic, English, French, Russian, Spanish, and Chinese, which are the official languages of the United Nations. The number of views of the game exceeded 10 million views. The launch of the game comes as part of Dubai Police’s efforts to support the United Arab Emirates’ hosting of the COP28 Conference of the Parties, which is one of the largest and most important international gatherings in 2023. It is the only game that has been developed to support COP conferences since it was first held in 1995.

Website: https://apps.apple.com/lk/app/cop28uae-adventures/id6458976851

Target Beneficiary Groups: YOUTH, OLDP, WOMN, DISB, UNEMP, POOR, RURL

WSIS Action Lines: 1, 3, 4, ENV

SDGs: SDG4, SDG11, SDG12, SDG14

Stakeholder Type: Government

Country, Region: United Arab Emirates, Asia and Pacific

Title: Forest Fires Support Decision System (FFSDS)
**Description:** With the Decision Support System, the probability of fire is estimated and possible causes of forest fires are determined. The infrastructure of this system consists of the behavior patterns of forest fires that have occurred from the past to the present, the experience of the employees and the technical studies of the scientists. By integrating these into the system, a fire behavior prediction system is formed and the predicted response methods against possible fires are modeled in real time by combining machine learning and artificial intelligence support. This system supports managers in the coordination and decision making of forest fires.

**Website:** https://yanginkarardestek.ogm.gov.tr

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 2, 4, 6, ENV

**SDGs:** SDG9, SDG13, SDG15

**Stakeholder Type:** Government

**Country, Region:** Türkiye (Republic of), Western Europe and North America

---

**Title: Green Future**

**Description:** The "Green Future" project, a collaborative effort between "Azerbaijan Greening and Landscape Construction" OJSC, the Ministry of Ecology and Natural Resources, and the International Bank of Azerbaijan, aims to ensure the sustainability of forest ecosystem services and create a legacy of a livable world for future generations. The project’s primary objective is to align with global development goals, making significant strides towards a green future. One of the project’s tangible outcomes is the planting of 60,670 trees, a substantial step in reforesting and preserving the environment. Highlighting a dedication to simplicity and efficiency, the initiative introduces a pioneering zero-bureaucracy approach, an environmental shortcut for tree planting. This innovative and streamlined method empowers participants to contribute effortlessly, promoting inclusivity and active involvement. The initiative encourages a unique approach to gift-giving during holidays and special occasions, emphasizing meaningful and lasting contributions with zero bureaucracy. Participants can choose to gift trees, ensuring not only a thoughtful present for the recipient but also contributing to the broader goal of
environmental sustainability. This environmental shortcut promotes a consciousness of individual actions in building a greener future and underscores the importance of leaving a positive impact on the environment for generations to come. The collaborative efforts of the project partners showcase a successful model of public-private cooperation in addressing environmental challenges and fostering a sustainable legacy.

**Website:** https://yasilgelecek.az/

**Target Beneficiary Groups:** YOUTH, OLDP

**WSIS Action Lines:** 1, 3, 4, ENV, 8

**SDGs:** SDG9, SDG13, SDG15, SDG17

**Stakeholder Type:** Government

**Country, Region:** Azerbaijan, Eastern Europe

**Title:** Environmental Geospatial Platform

**Description:** Objectives:  
- essential pillar for supporting the achievement of environmental strategies in the United Arab Emirates and the sustainable development goals (SDG)  
- Providing technical environment to share with local and global platforms.  
- Supporting decision-making in implementation of strategic plans, projects and environmental initiatives  
A reliable source for obtaining geo-environmental data in various fields such as biodiversity, marine environment, green development, chemicals and waste, environmental compliance, biosecurity, and others.  
Results achieved:  
- Geodatabase that includes more than 400 layers.  
- Geospatial platform that includes more than 40 Developed Geoapplications.  
- Among the first countries to share and publish national SDG initiatives on United Nations SDG platform.  
Impact generated:  
1. Achieving UAE Competitiveness indicators globally and regionally and improving the country ranking as below: 
   - Global:  
     - Cereal yield ton/ ha - Ranking 1  
     - Satisfaction with efforts to preserve the environment - Ranking 2  
     - Environmental agreements - Ranking 9  
   - Environment and nature adequately protected - Ranking 4  
   - Cereal yield ton/ ha - Ranking 1  
   - Satisfaction with efforts to preserve the environment - Ranking 1  
   - Environment and nature adequately protected - Ranking 1  
   - Ocean Health Index - Ranking 1  
   - Terrestrial and marine areas under protection -
Ranking 1  2. Impact on the high rate of compliance with the legislations. Such as the geo-application called “Hadaaq” Maps of fishing areas at sea. It was developed to solve the problem of overlapping fishing areas and Fishing equipment at sea.  3. Simplifying and speeding up service for customers through an Geo-application called “Shaheen” All information related to the import of live animals and birds by country of the world.

Website: https://gis.moccae.gov.ae/arcgis/apps/sites/?fromEdit=true#/data

**Target Beneficiary Groups:** YOUTH, INDG

**WSIS Action Lines:** ENV

**SDGs:** SDG2, SDG11, SDG12, SDG13, SDG14, SDG15

**Stakeholder Type:** Government

**Country, Region:** United Arab Emirates, Asia and Pacific

### Title: Green Planet

**Description:** Through our Environmental Awareness trainings, we aim to raise awareness and engage young people and children directly. While the primary focus is on the youth, the impact indirectly extends to other age groups as well. These trainings go beyond simple information transfer and are provided completely free of charge. Expert-created content is shared with young people, clearly highlighting the existing problems while leaving room for everyone to contribute to finding solutions. Participants from diverse backgrounds and areas of expertise are encouraged to generate ideas on these topics. Once the necessary information transfer is completed, we actively support various innovative ideas and implement workshops in collaboration with young people. These empowered individuals then disperse throughout the country, where they engage with children through local training sessions. These sessions involve interactive workshops, fostering a dynamic learning process. Whether conducted online or in person, our aim is to ensure accessibility and encourage active participation from all. Our approach is continuously evolving and expanding its reach, which is why we actively seek partnerships. We believe in joining forces with individuals and organizations working in this field in every city. Through collaboration and support, we can collectively achieve our common goals more efficiently and effectively. In addition to the Environmental Awareness trainings,
our project also organizes idea marathons and workshops focused on building sustainable cities. The primary objective is to empower children and young people in their participatory role, encouraging them to contribute to the development of long-lasting solutions for social issues. Overall, our project strives to create a positive and sustainable impact by nurturing environmental consciousness, fostering collaboration, and promoting innovative solutions to address societal challenges.

**Website:** https://yesilgezegen.yarinikodlayanlar.com/

**Target Beneficiary Groups:** YOUTH

**WSIS Action Lines:** 3, LEA, ENV, 10

**SDGs:** SDG3, SDG4, SDG11, SDG12, SDG13, SDG17

**Stakeholder Type:** Civil Society

**Country, Region:** Türkiye (Republic of), Western Europe and North America

**Title:** Huawei & BJFF: Intelligent AI-based Fish Filtering System to Prevent the Extinction of Atlantic Salmon

**Description:** The project has developed the world’s first intelligent AI-based salmon filtering system deployed in natural rivers. Invasive species are a top-five threat to biodiversity, the pink salmon is an invasive species that is widespread in Norway’s river systems as it rapidly reproduces and threatens to overwhelm wild Atlantic salmon and other native fish species. Since 1980s the population of wild Atlantic salmon in Norway has dropped by 50%. Previously the local conservationist rely heavily on manpower to identify and catch the invasive pink salmon by diving into the water, spending thousands of hours with little effect. Since 2021, an AI-based, automated fish trap developed by Huawei and our partner Berlevåg Hunting and Fishing Association (BJFF), has been deployed in two rivers in the municipality of Berlevåg in the northernmost part of Norway. It has successfully captured more than 6000 invasive salmons in Norway’s 2 rivers in 2023, and cut manual labor by 90%. With more than 1 million pink salmon flooded Norwegian rivers in 2023, the solution brings hope to permanently solving the problem.
Title: Planet- Innovation for Climate Change and Environment

Description: Firstly, before I comes up with the Solutions on the Planet- Innovation for Climate Change and Environment, I would like to address a points battling this issues. Addressing the climate crisis will also require innovation in many other arenas, such as finance, institutional design, novel partnerships, philanthropy, and international cooperation, to name a few. Take technological carbon removal, for example. The IPCC and National Academies of Sciences suggest that, by mid-century, 8–10 gigatons of carbon dioxide (GtCO2) may need to be removed annually, but we cannot rely on any one approach to achieve that scale. as landscape restoration, may remove 5–6 GtCO2, with significantly renewed efforts, but engineered approaches 1. What is the Innovation Solutions for Climate Change and Environment? A. Direct air capture and storage, advance batteries, and hydrogen electrolyzers- can deliver roughly 15 % of commutative emissions reductions between 2030 to 2050 respectively. B. Ending our Reliance on fossil fuels II. greater Energy Efficiency III. Renewable Energy IV. Sustainable Transportation V. Sustainable Buildings VI. Better Forestry Management and Sustainable Agriculture VII. Conservation -Based-Solutions VIII. Industrial Solutions C. Is to changing our main energy sources to clean and renewable energy , I think is the best way to stop using fossil fuels. This include: Technology like solar, wind , wave, tidal and geothermal switch to Sustainable transport , petrol and diesel vehicles, planes and ships use fossil fuels. 2. How can we create an Innovative Solutions about the Environmental issues? Through Recycling and Rescue. Because many of our products are recyclable and thus reduce environmental strain. Even electronics , such as Computers
and cell phones, are recyclable. A good way to minimize waste and carbon dioxide output while creating healthy organic fertilizer is to compose plant waste.

**Website:** https://frsc.gov.ng

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 3, 6, ENV

**SDGs:** SDG13

**Stakeholder Type:** Government

**Country, Region:** Nigeria, Africa

---

**Title: Smart Immunization**

**Description:** Introducing a cutting-edge digital platform, Smart Immunization, with the primary goal of predicting and preventing the spread of livestock epidemics across all regions in the Kingdom of Saudi Arabia. This innovative platform utilizes an array of integrated technologies and solutions, including geospatial mapping, artificial intelligence, smart field management systems, and business intelligence. At its core, the system harnesses the power of AI models to analyze data from livestock project owners. This analysis enables the prediction of potential epidemic outbreaks, allowing for proactive measures to be taken. When an impending epidemic is identified, the system automatically initiates visit requests that contain comprehensive immunization information, including the precise location where the intervention is needed.

**Website:** https://geoportal.mewa.gov.sa/

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

**WSIS Action Lines:** ENV

**SDGs:** SDG1, SDG2, SDG3, SDG8, SDG13, SDG15

**Stakeholder Type:** Government

**Country, Region:** Saudi Arabia, Asia and Pacific
Title: AIS E-Waste+ Application

Description: The E-Waste+ application is an innovative solution developed under the “Thais say no to E-Waste” project by AIS, with a strong commitment to environmental conservation and acting on climate change. The application aims to address the challenges of e-waste management in Thailand by providing a comprehensive platform that encourages responsible e-waste disposal and recycling. The pain points of traditional drop points for e-waste disposal can indeed hinder effective e-waste management. Two significant pain points are: 1. Lack of Track and Trace: In traditional drop points, individuals disposing of their e-waste often have no way to track and trace the journey of their discarded items. This lack of transparency creates a sense of detachment and uncertainty among users, as they remain unaware of whether their e-waste is being handled responsibly and recycled properly. 2. High Cost of Drop Points: Traditional drop points are often made from recycled paper, which can still be costly to produce and maintain. The expenses associated with creating and managing these drop points may limit their availability and outreach to potential users, hindering efforts to promote responsible e-waste disposal. The E-Waste+ application addresses these pain points through its innovative use of blockchain technology and real-time engagement. By leveraging blockchain, users can now track and trace their e-waste items from the moment of disposal at a drop point to the recycling facility. This level of transparency empowers users and creates a sense of ownership and accountability, as they can witness the positive impact of their actions on the environment. Additionally, application’s use of blockchain allows for a more cost-effective solution. Unlike traditional drop points made from recycled paper, the digital nature of the E-Waste+ application reduces the need for physical infrastructure and maintenance costs. This cost efficiency enables a wider distribution of drop points and encourages greater participation from users and businesses.


Target Beneficiary Groups: NULL

WSIS Action Lines: 2, ENV, SCI

SDGs: SDG11, SDG12, SDG13, SDG14, SDG15, SDG17
Title: City management platform (Madinati Platform) – Smart Waste Management Platform

Description: It is a unified digital platform that monitors, controls and governs the waste management and movements processes. It provides a digital function that tracks the equipment and vehicles of municipality contractors and transporters from points of loading of waste till the points of treating the waste. Results achieved: • Automate the processes of qualifying and registering the Waste transporters and waste producers. And classifying them based on type of waste • Increase the number of Qualified Producers and transporters • Increase the level of commitment to requirements, standards, regulation, controls and requirements of waste production and transporting • Governance of waste transport contracts: As a result: ○ The number of users on the platform has reached to 34095 ○ The number of electronic contracts has reached to 39,300 contracts ○ Control oversight of the equipment of the projects: Through the use of IOT technology, oversight of contractual and non-contractual equipment has been increased and its behavior has been monitored to reduce the impact of random throwing in the region and visual distortion, as 8636 violations have been detected so far and covers the annual
platform operating costs in addition to 18%. Impact generated: The solution used and promoted ICTs as an instrument for environmental protection and the sustainable use of natural resources. •helps the municipalities’ entities to introduce accountabilities on the municipal waste generators in all sectors against the waste they produce. •changes the operational efficiency of the business processes to support strategical decision making •Waste management treatment governance

Website: https://madinati.sa/

Target Beneficiary Groups: NULL

WSIS Action Lines: ENV

SDGs: SDG3, SDG11, SDG12, SDG13

Stakeholder Type: Government

Country, Region: Saudi Arabia, Asia and Pacific

Title: Mobile-enabled Disaster Resilience through Cell Broadcast Emergency Alerting

Description: C-DOT’s mobile-enabled Cell Broadcast Emergency Alerting Platform is an end-to-end state-of-the-art solution for instant delivery within few seconds of critical life-saving emergency information to mobile phones through cellular telecom networks. It enables message presentation on enabled handsets with distinct tone and pop-up notification, thus providing effective alerting by grabbing user attention, useful in situations with less lead time. The solution provides an automated integration between emergency alert dissemination platforms and telcos of country for Cell Broadcast based public emergency alerting as part of nation-wide framework for effective disaster communication. It caters complex telecom ecosystems such as in India, characterized by significant cell and population density with different mix of technologies 2G, 3G, 4G, 5G and radio equipment original equipment manufacturers (OEMs) employed in each telecom operator. The system has been successfully implemented at PAN India scale in multiple telcos. This indigenous, cost-effective, and automated system has enabled geo-targeted multi-Hazard alerting with regional language support, improving overall efficiency of disaster risk management activities. The initiative aligns with global initiatives including Early Warnings For All
(EW4All), International Telecommunication Union (ITU’s) ‘Common Alerting Protocol (CAP): Call to action’, and promotes Sustainable Development Goals targets while enhancing country’s capacity building efforts towards disaster resilience.

**Website:** https://www.cdot.in/cdotweb/web/product_page.php?lang=en&catId=9&pId=50

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

**WSIS Action Lines:** 1, 3, ENV, 8

**SDGs:** SDG1, SDG3, SDG8, SDG9, SDG11, SDG13, SDG17

**Stakeholder Type:** Government

**Country, Region:** India, Asia and Pacific

**Title: Solid Waste Pick-up App**

**Description:** In many developing nations, including Ghana, the waste management sector faces challenges such as inefficiencies, lack of standardization, and inadequate sanitation practices. The rapid urbanization and population growth have exacerbated the issue, leading to an increased volume of waste being generated. This surge in waste places immense pressure on existing waste management systems, resulting in missed collections, environmental degradation, and public health concerns. Hence the development of the
Borla Taxi App, an innovative platform that leverages technology to connect waste collection professionals with users in need of waste management services. The user-friendly interface allows for seamless service requests, connecting users with nearby waste collection experts who promptly collect and dispose of waste in an environmentally responsible manner. By developing this project, people are able to request for pickup of waste from the comfort of their homes and waste in these deployed areas are managed properly and less burning is done.

**Website:** https://borlataxi.nerasolgh.com/

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, RURL

**WSIS Action Lines:** 6, ENV

**SDGs:** SDG3, SDG9, SDG11

**Stakeholder Type:** Private Sector

**Country, Region:** Ghana, Africa

---

**Title:** UAE National Measurement, Reporting and Verification (MRV) Transparency System

**Description:** The National MRV Transparency Project is a first of its kind project in the region which is being developed by the UAE Ministry of Climate Change and Environment. The main objective of the MRV Transparency Project is to enhance the capability of all actors in the UAE to effectively collect data, measure performance against set national objectives and eventually demonstrate the progress that is made by the UAE in the implementation of its national determined contributions (NDC) under the Paris Agreement and the Net Zero by 2050 target. In line with the UAE Digital Strategy, the project is designed to streamline and automate the data collection, emissions quantification and reporting of GHG and AQ pollutant inventories for the UAE. The project covers the following sectors: energy, waste, industrial processes, agriculture, forestry and other land-use forms. The project is unique in its design because it builds an inventory for both greenhouse gas (GHG) emissions as well as air quality pollutants (AQP) inventory. The combination of both the GHG and AQP inventories in the MRV Transparency System
project is an important and unique aspect of the project as it brings efficiency to the collection of data, reducing duplication of data and reduces the administrative burden for both reporting streams. This is an ambitious undertaking for the UAE, since this is the first country in the region to integrate greenhouse gas and air quality pollutants inventories through an online platform for unified reporting. The project is currently at the alpha version of development. A beta private version is anticipated to be released in early 2024. That version will be opened to a selection of national entities across the UAE for testing of its functionality. At a later stage, it is anticipated to expand beyond emissions quantification to include other aspects required by the enhanced transparency framework, including adaptation actions, and tracking of the UAE's progress towards achieving NDCs and other national objectives.

**Website:** https://mrvbetapub.azurewebsites.net/

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 5, 6, ENV

**SDGs:** SDG13

**Stakeholder Type:** Government

**Country, Region:** United Arab Emirates, Asia and Pacific

**Title:** Mazingira Bora pour l'Autonomisation Rurale au Nord Kivu

**Description:** The ““GreenTech Nord Kivu: Des Communautés Rurales Autonomisées pour un Avenir Durable”” project aims to empower rural communities in the North Kivu province of the Democratic Republic of Congo through the introduction of green and sustainable technologies. Its main objectives are to improve access to drinking water and renewable energy, promote sustainable agricultural practices and raise residents' awareness of environmental issues. The solution's approach integrates green technologies such as solar mini-grids and solar-powered water purification systems, while promoting the adoption of environmentally-friendly agricultural approaches. Interactive digital tools are used to raise awareness and educate communities on environmental issues. The expected impact is improved living conditions, protection of the local ecosystem, increased resilience in the face of environmental and economic challenges,
and the creation of an inspiring model for sustainable development in the region and beyond.

**Website:** https://kilimotv.com

**Target Beneficiary Groups:** RURL

**WSIS Action Lines:** 3, ENV, 8

**SDGs:** SDG6, SDG7, SDG13

**Stakeholder Type:** Private Sector

**Country, Region:** Democratic Republic of the Congo, Africa

**Title:** Air Quality Monitoring System

**Description:** One of the most significant challenges facing our civilization is understanding and shaping the new technological revolution. The Fourth Industrial Revolution is characterized by the application of technologies such as artificial intelligence, 3D printing, Internet of Things (IoT), robotics, and more. Within this revolution, the concept of smart cities plays a crucial role. Smart cities embrace and invest in modern technologies to improve the quality of life, protect the environment, attract new residents and investors, and foster economic development. They focus on smart mobility, strong ICT infrastructure, IoT connectivity, cloud-based services, smartphone usage, and other innovative solutions to address urban challenges. The "Air Quality Monitoring System" project has enabled the creation of smart IoT systems for environmental monitoring in the local community. These systems provide data on air quality, noise levels, and weather parameters across various city areas, contributing to the concept of a smart Cetinje. Additionally, the project aims to educate young participants in STEM fields, from idea inception to final product development. Participants acquired skills in programming, electronics, 3D modeling, 3D printing, and presentation during the project. The American Corner Cetinje, with the support of the U.S. Embassy in Montenegro, hosted and sponsored the project. Overall, the project represents a valuable step towards building a smart city and nurturing the next generation's STEM knowledge and expertise.

**Website:**
https://www.facebook.com/photo/?fbid=737559717905593&set=pcb.737562057905359
Title: Solid Waste Management (SWM)

Description: RIO declaration (1992) emphasized that all countries must seek and invest in safe waste management practices. Cities cannot have clean and healthy living conditions unless there is effective SWM along the value chain (8). Proper SWM reduces or eliminates adverse environmental and human health impacts while promoting economic development and a higher quality of life (4,5). Socioeconomic development, urbanization, high population growth, and changing consumption patterns in informal settlements increase the amount and variety of domestic solid waste generated (3). If it accumulates, it degrades
the urban environment, natural resources, and causes health problems (4). Dumping sites are becoming an increasing source of concern for Kenya’s informal settlements, and they are a significant source of air, soil and water pollution, as such there is a need to strengthen and revitalize partnerships for sustainable SWM; implicitly stated in SDG17.

Objectives of the study:
1. To explore the SWM landscape along the value chain in an informal settlement;
2. To establish interrelationships in solid waste management along the value chain in an informal settlement;
3. To assess priority solid waste management needs and strategies in an informal settlement;
4. To determine governance practices in SWM landscape in an informal settlement.

Approaches and Methods:

We will take a constructivist research paradigm as we believe that there’s no single reality or truth, but rather multiple realities (14). We will devote to understanding and interpreting the meaning attached to action through qualitative research methods in Nairobi, Kenya with a pilot area of Viwandani study site. In 2022, among the priority needs and intractable challenges of residents in Viwandani informal settlements was domestic solid waste management (13).

Website: https://www.researchgate.net/profile/Ivy-Chumo

Target Beneficiary Groups: NULL

WSIS Action Lines: BUS, HEA, ENV

SDGs: SDG3, SDG6, SDG8, SDG11

Stakeholder Type: Academia

Country, Region: Kenya, Africa
Title: Sustainable, Culture Driven Experiences

Description: Away Together, a mobile application that focuses on enhancing the guest experience by eliminating paper waste, brings all three components of the travel industry together - the greater location, the accommodation and other guests. By securely connecting the hotel to the guests, travelers can access everything a location has to offer, all while communicating via the application. Additionally, guests can communicate with others. "Anyone want to participate in the beach cleanup today? I'll be catching a taxi at 12p if anyone wants to share a ride with me!" By bringing together all three components of the industry, guests have all of the information at their finger tips, hotels reduce paper notice waste and the reprinting of brochures and marketing pieces, and the supporting local businesses and cultural/social impact events have streamlined access to their target market!

Website: https://www.youtube.com/channel/UC21WFv99g6XHORATptuJz3A

Target Beneficiary Groups: NULL

WSIS Action Lines: BUS, ENV

SDGs: SDG3, SDG6, SDG7, SDG8, SDG9, SDG10, SDG11, SDG12, SDG13, SDG15

Stakeholder Type: Private Sector
Country, Region: United States of America, Western Europe and North America

Title: Helix Bio (carbon sequestration technology)

Description: To define helix bio innovative solution is to iterate that the notation of helix bio is soil enriching itself and then those microorganisms were themselves grown sustainably, in compact sunlight-fueled bioreactors. The self-reliant helix will efficiently split water into hydrogen and oxygen gas by pairing silicon (the material that solar panels are made with) with catalyst coatings. The hydrogen gas can be stored on-site and used to drive fuel cells; providing a way to store and use power generation that originates from the sun. Now what Problems will Helix Bio solve? Helix bio can protect crops to ascertain a better harvest. Technological intervention of helix bio can advance agricultural technology. Genetic modification along with new crop varieties and land management techniques. Furthermore, the usage of hazardous fertilizers will decline and eventually will shift from energy intensive process fed by fossil fuels reliant on a robust fabrication of farming manures which is an oomph rigorous procedure to a more hereditary alteration with harvest variability and terrestrial automation method sought to cover amplified stresses in agroforestry. To widen the aperture, the question arises ‘Who will benefit from the proposed solution of Helix Bio’. European entities will be able to benefit from subsistence farmers from industrial and agriculture profitable distribution particularly Innovation and Infrastructure, Responsible Consumption, Production, and Climate Action. How is helix bio unique and different from existing solutions? The helix bio-generated microorganisms with the formation of Al bioreactors covered in catalyst coating has tremendous impact and ability to advance crop profits without fertilizers to protect the crops. The Al bioreactors will observe ammonia and phosphorus from external climate and internal metamorphic rock surface making it ideal to combat climate change. The technology is equipped with practical application that can create a paradigm shift in food security in 21st century.

Website: https://www.linkedin.com/in/nayabzahra/

Target Beneficiary Groups: NULL

WSIS Action Lines: BUS, ENV, AGR

SDGs: SDG14
Stakeholder Type: Private Sector
Country, Region: Switzerland, Western Europe and North America

Title: Build a green communication network

Description: To combat global climate change, China Tower actively fulfills its social responsibility, carries out technological innovation in energy conservation and carbon reduction. We have developed superimposing photovoltaic technology for the communication base station using their roofs or other spare space, where solar energy is given priority to the main power. This innovative implement increases the proportion of green power application in base stations by more than 20% and reduces carbon emissions significantly. Meanwhile, the solar panels on the roofs reduce the direct sunlight on the base stations, which leads to the usage decreasing of air conditioners in the base stations, improving the power usage effectiveness (PUE) significantly as a whole. China Tower has carried out more than 2,000 implements in Jiangsu Province, with an average annual photovoltaic power generation of more than 8 GWh, reducing carbon dioxide emissions by more than 4,500 tons, which is equivalent to planting 240,000 trees. In the consideration of China Tower with as large number of 2.1 million communication base stations, accounting for nearly half of the global once, will promote this technology to build a green communication network and to make great contributions to the society.

Website: https://www.china-tower.com/

Target Beneficiary Groups: INDG
WSIS Action Lines: ENV
SDGs: SDG13

Stakeholder Type: Civil Society
Country, Region: China, Asia and Pacific
Title: Weathering the Storm: The Rise of a Disaster Lifeline in KonekTawag

Description: "KonekTawag: Libreng Tawag sa Lahat" is a program by the Department of Information and Communications Technology - Palawan, that offers free internet usage, supports calls and messaging, provides satellite phone access for National Government Agencies, LGUs, and private entities, free device charging, and lends generator sets to communities without electricity. Its main goal is to enable residents without internet access to connect with their families, particularly during emergencies. Super Typhoon Rai (Odette) caught the rarely-stricken island province of Palawan off guard, displacing over half a million people and leaving major towns without electricity and communication for days. Over 50,000 houses were destroyed and sadly, 22 lives were lost. Amidst this tragedy, the DICT's KonekTawag program shone as a beacon of hope. Offering crucial emergency telecommunication services, KonekTawag stations helped over 2,088 individuals and government agencies. KonekTawag's ability to facilitate communication played a critical role in the swift delivery of aid to those affected by Odette. Strategically positioned stations across Palawan – from the DICT Palawan Provincial Office to LGU San Vicente, Paly Island in Taytay, and the Palawan Provincial Disaster Risk Reduction and Management Office (PPDRRMO) in Irawan, Puerto Princesa City – ensured that everyone had access to these vital services.

Website: facebook.com/dictr4b

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, RURL

WSIS Action Lines: ENV

SDGs: SDG9, SDG11

Stakeholder Type: Government

Country, Region: Philippines, Asia and Pacific

WSIS Action Line C7.

ICT Applications: E-Agriculture
Title: Kadalcompass

Description: "Innogle, A very first 5G deployer on ocean providing a comprehensive solution with 5G Enabled Kadalcompass Device using an Emerging Technologies of AI vision, IoUT (internet of Underwater things) which creates Digital Ocean by establishing two way Communication between the boats/Vessels as Private Network using 5G/Lora/4G switch, it Provide Profitable Fishing (PFZ), Collecting the Carpet Granular sensitive Ocean Data for Ocean Researchers, doctor connect on ocean and also Providing Digital ID As life safety watch to track and Trace in Real-time For Ocean Workers Even in Deep sea for the Benefits of 21.7 Million Ocean Worker. A plug and play, multilingual device which will perform the Profitable fishing, life safety, using connected intelligence with is connected architecture for a Non-skilled and for a person who doesn’t have education background and convert them as skilled Professional using this solution. A Product Kadalcompass fixed on each fishermen’s boat and Connected Intelligent of AI/IoUT of Underwater device runs under Dynamic compliance by not disturbing the ecosystem without Bycatch and Over fishing and prevent unwanted species in net and provide guidelines of Geo spatial science, fish population change, identifying and locating the type of fish on sea/cage, study of supporting data for Marine ecology, climate change, granular data about mineral beds on sea, underwater archeology study. This solution under United Nation IC, which satisfy the sustainable goal of development for life below water, Decent Work and Economic Growth, Industry, Innovation and Infrastructure, Climate Action, Responsible Consumption and Production."

Website: https://dcis.dot.gov.in/page/innogle

Target Beneficiary Groups: NULL

WSIS Action Lines: 2, 4, ENV, AGR, 10

SDGs: SDG8, SDG9, SDG12, SDG13, SDG14

Stakeholder Type: Private Sector

Country, Region: India, Asia and Pacific

Title: African Digital Agribusiness Repository (DRAA)
Description: The continuous reliant on annual rainfall as a means for farming and other agricultural activities by farmers in Ghana and Sub-Saharan Africa could result in greater crop failings, hunger, extreme poverty, nutritional insecurity and human security which has resulted in conflicts and civil disturbances as had happened in many African countries. Our project which is the African Digital Agribusiness Repository Officially seeks to creating the biggest collection of climate change and greener online projects and innovations on a digital platform in the West African sub region and other parts of Africa, the goal is to bring innovative entrepreneurial climate change innovations into a single online platform to creating greener opportunities by harnessing and turning digital opportunities to digital gains through activities of the of the African Digital Agribusiness Repository. Also more importantly this Repository will not only exist online but will also function as fully registered independent entity comprising of skilled and committed personnel backed up by digital infrastructures including an in-house established data center to enable the repository to be more efficient and effective to its core duties and mandate, this repository will enjoins small scale agricultural entrepreneurs using digital tools and platforms as key players in the digital economy globally to propelling entrepreneurship among the youth and young graduates, sizable numbers of women/girls and organizations taking advantage of the borderless access and opportunity offered to this current generation as a challenge to prosper whiles addressing of the most pressing challenges facing Africa. This project is a direct replication of our success story in a more improved and upgraded state with a wider reach and strong impact on the catchment communities in Ghana.

Website: https://www.gfar.net/experts/albert-obeng

Target Beneficiary Groups: YOUTH, WOMN, POOR, RURL

WSIS Action Lines: 4, BUS, AGR

SDGs: SDG1

Stakeholder Type: Civil Society

Country, Region: Ghana, Africa

Title: Digital Services Portfolio (DSP)
Description: Since many years, FAO is developing and implementing digital inclusion initiatives, scaling up innovative digital technologies for development and targeted interventions worldwide. Bringing solutions closer to poor households' needs is a direct contribution to poverty reduction and food security, FAO's core mandate, leading the path towards SDGs accomplishment, more specifically SDG1 and SDG2. ICTs have the potential of maximizing the impact of existing agricultural and rural advisory services, financial services and social protection programmes, facilitating access to markets, information and entrepreneurship opportunities. Taking into consideration these most pressing local and global challenges, the FAO Digital Services Portfolio (DSP) was born. The DSP is a cloud-based platform aimed at making useful data, information and knowledge in the food and agriculture sector available and accessible as digital services to rural communities, providing them digital agriculture advisories that leverage the knowledge of FAO, Countries, and strategic partners in the mobile world. It targets farmers, fishermen, livestock keepers, traders, extension and nutrition officers in the field. A flexible platform for opportunities, the DSP builds on four major themes (Weather and Crop Calendar, Livestock, AgriMarketPlace, E-Nutrifood) to improve availability of local con

Website: https://www.fao.org/digital-services/en

Target Beneficiary Groups: YOUTH, WOMN, POOR, RURL

WSIS Action Lines: AGR

SDGs: SDG1, SDG2, SDG10, SDG12, SDG13, SDG15, SDG17

Stakeholder Type: International Organization

Country, Region: Italy, Western Europe and North America
Title: GeoTanaman

Description: GeoTanaman represents a cutting-edge system built on the principles of service-oriented architecture, designed for accessibility through both web and mobile platforms. Its primary function is to acquire, manage, analyze, and present geospatial information related to Malaysia’s food crops. The overarching goal of this system is a comprehensive National Crop Inventory Geospatial database characterized by organization, seamlessness, and continuous updates, aligning with the broader vision of Digital Agricultural Transformation. Commencing in 2022, GeoTanaman aims to register all food crop farmers, with farm-related data being regularly updated by farmers on the provided land use map and subsequently verified by the Department of Agriculture (DOA). Leveraging the latest information on crops, planting practices, and market demands, farmers can strategize for future planting activities, engage in market analysis, and identify potential business opportunities. By facilitating the integration of real-time data, the system serves as a catalyst for enhancing farmers' income and reduce reliance on imported foods. GeoTanaman stands as a pivotal tool in fostering a resilient and self-sufficient agricultural landscape.

Website: https://geotanaman.doa.gov.my/

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, RURL

WSIS Action Lines: 1, AGR

SDGs: SDG2

Stakeholder Type: Government

Country, Region: Malaysia, Asia and Pacific
Title: Smart National Water Platform (HAFETH)

Description: The Smart National Water Platform is a cutting-edge digital solution designed to bolster water security, manage water consumption, and oversee underground water resources through the application of artificial intelligence technologies and smart water meters. This platform encompasses a range of services, including water regulation and intelligent measurement of water consumption facilitated by smart meters. The platform seamlessly integrates with internal ministry systems, incorporating a field system to inspect registered wells and their associated smart meters. Moreover, it interfaces with external systems within various government entities, ensuring convenient access and display of essential data. A primary goal of the system is to compute the water requirements of crops across the kingdom, aiding decision-makers in accurately estimating agricultural water needs. It offers user-friendly services for farmers, allowing them to discern the actual water needs of their crops, monitor consumption, and gauge the volume of additional water required. Furthermore, the platform strives to quantify water production from all sources and monitor its consumption for diverse purposes in every region of the kingdom. This is achieved through the deployment of smart meters for precise data measurement, collection, and analysis. In the initial phase of implementation, over 5,000 agricultural wells have been equipped with smart meters, and data from 5,700 meters installed on the wells of agricultural and industrial companies are being seamlessly transmitted for analysis.
Website: http://iot.mewa.gov.sa/

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

WSIS Action Lines: AGR

SDGs: SDG1, SDG2, SDG3, SDG6, SDG15

Stakeholder Type: Government

Country, Region: Saudi Arabia, Asia and Pacific

Title: SOTILMA

Description: Sotilma, a Senegalese agriTech startup, introduces an innovative water management technology for farmers. Our solution relies on the use of locally manufactured smart water meters, providing farmers with the ability to monitor and optimize their water consumption in real-time through an application staying miles away. What sets Sotilma’s solution apart is its unique value proposition focused on simplicity, accessibility, and environmental benefits. Unlike complex and costly traditional irrigation systems, our simplified and affordable approach enables precise irrigation management. Sotilma ensures real-time tracking of water usage, allowing farmers to remotely manage their water supply through a mobile application or the Sotilma_Connect system. Sotilma addresses the critical challenge of water management inefficiency in African agriculture. Currently, agriculture accounts for over 70% of global water use, and water demand in this sector is expected to increase by 50% by 2050 (FAO). This water waste and overconsumption lead to severe economic and environmental consequences, including high production costs, limited agricultural yields, and pressure on water resources. Farmers, especially in African countries, are most affected by the issue of inefficient water management in agriculture. These areas heavily rely on agriculture for the livelihoods of their populations, and water scarcity poses a major obstacle to food security and economic growth. The potential scope of our solution is significant, targeting both small and large-scale farms, as well as irrigation companies. With over 70% of the workforce engaged in agriculture in Africa, the market is extensive. Our solution can significantly contribute to meeting the
growing global demand for effective water management solutions, especially in regions where agriculture is vital.

**Website:** https://www.sotilma.com

**Target Beneficiary Groups:** YOUTH, WOMN, RURL

**WSIS Action Lines:** 2, 6, AGR

**SDGs:** SDG2, SDG6, SDG9

**Stakeholder Type:** Private Sector

**Country, Region:** Senegal, Africa

---

**Title:** Digital Agri Hub

**Description:** Digital Agri Hub tracks the evolution of the digital agriculture (D4Ag) ecosystem in low- and middle-income countries. In collaboration with sectoral stakeholders, it regularly publishes curated information on digital solutions to generate new insights and updates on important developments in the domain of digital agriculture. Acting as a multi-actor data and knowledge broker, the Hub focuses on leveraging inclusive digital solutions for development and provides unique perspectives for adopting or investing in digital agricultural innovations.

**Website:** https://digitalagrihub.org

**Target Beneficiary Groups:** YOUTH, WOMN, RURL

**WSIS Action Lines:** 3, AGR

**SDGs:** SDG2, SDG8, SDG9, SDG13

**Stakeholder Type:** Academia

**Country, Region:** Netherlands, Western Europe and North America
DigitALL: Innovation and technology for gender equality

Celebrating Women Leaders in the #D4AG sector

Our dashboard is home to +16 #D4Ag innovations either founded or co-founded by women across the globe, whose solutions are deployed in low- and middle-income countries.
Title: "Agricultural Traceability Chain" - 5G+ Blockchain Traceability Platform for Agricultural Specialty Products

Description: "Agricultural Traceability Chain" is a trustworthy and high-value agricultural product traceability + authenticity + marketing platform based on blockchain, which can record the real data of the entire production process of agricultural products on the immutable blockchain, provide high-value traceability information, promote commodity marketing, and help consumers, businesses, and governments benefit. "Agricultural Traceability Chain" enhances the user’s sense of gain. It helps consumers easily and confidently buy agricultural products, helps agricultural products enterprises effectively control the supply chain, helps commodity marketing, helps the government to implement regulatory behavior, realizes the high-quality development of regional agriculture, promotes the virtuous circle of regional economic ecology, and implements the national "rural revitalization" strategy. "Agricultural Traceability Chain" has improved the effectiveness of social governance. Relying on the unified management of the platform,
the integration of resources and forces, unified standards, to achieve the high-quality development of regional agriculture, promote the development of regional agriculture, promote rural revitalization, and achieve the ultimate goal of common prosperity. "Agricultural Traceability Chain" brings economic benefits to agricultural products enterprises. It is estimated that the platform can increase the income of about 2.175 million yuan for agricultural products enterprises every year, and it has built regional characteristic agricultural products brands and helped the development of regional economy. It cracks down on counterfeit products and achieves the sound development of economic ecology.

**Website:** [https://www.ailab-zj.com/#/home](https://www.ailab-zj.com/#/home)

**Target Beneficiary Groups:** REFG

**WSIS Action Lines:** AGR

**SDGs:** SDG2, SDG12, SDG16

**Stakeholder Type:** Civil Society

**Country, Region:** China, Asia and Pacific

---

**Title: VISTANO a E-Agriculture Total Solution**

**Description:** The global population is growing, putting pressure on agriculture to produce more food. Agriculture faces limited land, labor shortages, climate change, and soil fertility issues. Agriculture and farming plays an important role in the economic sector and it is a $5 trillion industry. VISTANO is a project with a mission to revolutionize sustainable agriculture and contribute to the achievement of the SDGs. The project offers a cutting-edge technology that enables farmers to grow crops more efficiently, sustainably and with less environmental impact. VISTANO’s innovative approach combines precision farming techniques with artificial intelligence, data analytics and IoT, making it possible to optimize crop yields while minimizing the use of resources such as water, fertilizer and energy. By using precision farming techniques, farmers can reduce waste and improve efficiency, resulting in higher yields with less inputs. This means that they can grow more food with fewer resources, helping to address the challenge of food security and contribute to the SDG2. By reducing the use of fertilizers and pesticides, VISTANO also helps to protect the environment and promote biodiversity, contributing to the SDG15. ESM has taken the
first step to develop a smart agricultural system with IoT sensors, to help farmers reduce workload and improve manpower shortages. Also ESM has developed an AI-based application called VISTANO that can identify the nutrient deficiencies in soil including plant pests and diseases. VISTANO uses image recognition-based technology and farmer can capture images of plants using smartphones. Also help farmers can analyze weather conditions by using weather forecasting which helps them plan the type of crop can be grown and when should seeds be sown. Also are executed based on the data received from the field and alerts are generated for pest-disease forewarning and irrigation scheduling. Based on the alerts generated by the system, Agricultural engineers send personalized crop advisories to the farmers.

Website: https://www.vistano.ir

Target Beneficiary Groups: INDG, UNEMP, POOR, RURL

WSIS Action Lines: ENV, AGR

SDGs: SDG2, SDG4, SDG15

Stakeholder Type: Private Sector

Country, Region: Iran (Islamic Republic of), Asia and Pacific

Title: Municipal Agriculture Information System - Farmers
Agriculture Resources Management System (MAIS-FARMS)

Description: MAIS-FARMS is a web-based system that is conceptualized to provide real-time data on the supply and demand of various farm commodities, data of farmers and buyers, location of farms, and volume of production produced by each farm. It is where information on the demand for specific commodities is gathered simultaneously with the production data from farmers. MAIS-FARMS is a database decision-making tool with an up-to-date inventory of all agricultural items of farm products within an area. Its Admin server has two features, the Agri-Productions, and the e-Commerce interface. The objectives of the system are to address the challenges in the market linkage of agriculture and fishery products, provide real-time data on farm production, create balance in the supply and demand of farm products, and support small local farmers through online product matching using the MAIS-FARMS online platform. It started in 2010 and
produced a significant impact on the consolidation of farm products in the community and provided an online platform where farmers can sell their farm products and where buyers can look for farm products to buy. The system is also a great help to the Government, wherein gathered and processed data from the system become beneficial for the identification of needs and planning and developing strategies and measures to address the needs and problems that are identified. This promotes efficient, effective, and good governance on the Government side.

**Website:** https://iciaed.com/

**Target Beneficiary Groups:** RURL

**WSIS Action Lines:** 1, 2, 3, 4, 6, BUS, AGR

**SDGs:** SDG1, SDG2, SDG3, SDG8, SDG9, SDG10, SDG11, SDG12, SDG13, SDG17

**Stakeholder Type:** Government

**Country, Region:** Philippine, Asia and Pacific

### Title: Digital Advisory and Decision Support Platform in Integrated Plant Protection (eDWIN)

**Description:** eDWIN Advisory Platform (edwin.gov.pl) is a set of tools and applications through which public e-advisory services are provided to farmers: • Virtual farm, • Tracing the origin of agricultural products, • Threat reporting, • Agrometeorological data. The recipients of the above e-services are: • users of plant protection products, in particular farmers, fruit growers, allotment gardeners, • advisors who are employees of provincial agricultural advisory centers, • food consumers and agro-processing enterprises, • local government units, public institutions conducting activities in the field of plant protection, • universities, research units, research institutes and research workers, • agricultural companies and other public institutions.

**Website:** https://www.edwin.gov.pl/

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 1, 2, 3, GOV, AGR
Title: AI AGRO

Description: With our algorithm AI AGRO which is a Certified DPG, we can find possible diseases in any kind of agricultural crop using AI and drone imagery. We simplify the detection of sick plants using drones and image processing (Photogrammetry, Computer Vision and Machine Learning algorithms) and provide solutions to each problem. Our other business line called Thermal Maps consists in Detecting Faults in solar panels using drone imagery. We are able to provide services globally since we only focus our business in analytics and we hire third-party drones in any country to gather the data. Our software already have clients in Australia, Chile, Mexico, Spain and Peru. We're trying to get into the US and open new possibilities for our products. Both of the algorithms are completely open-source.

Website: https://cl.linkedin.com/company/simplemap?trk=public_profile_experience-item_profile-section-card_subtitle-click

Target Beneficiary Groups: NULL

WSIS Action Lines: 2, 4, AGR

SDGs: SDG2, SDG7, SDG9, SDG13

Stakeholder Type: Private Sector

Country, Region: Chile, Latin America and the Caribbean

Title: Ignitia Tropical Weather Forecasting

Description: Ignitia empowers intelligent decision-making by providing food system stakeholders with advanced technologies delivered in user-friendly ways to address climate
resilience, agricultural productivity and food security in emerging markets. Our vision is to ignite growth in emerging markets, reaching 200 million individuals across the tropical belt. Changing rainfall patterns due to climate change are a great concern especially in sub-Saharan Africa. Current weather forecasts for tropical climates perform worse than tossing a coin, while reliable predictions are essential to transforming the food system towards more sustainable and efficient production and from farmers being subject to extreme weather events and shifting pest and disease patterns. Inaccessible and unreliable weather information negatively impacts farmers' ability to plan, improve farming practices and reduce and adapt to climate change-induced risks. Ignitia offers climate intelligence solutions for tropical farmers, first addressing the problem of low accuracy weather forecasts. Through advanced, tropical atmospheric physics-based numerical prediction models and machine learning techniques, we deliver hyper-local forecasts that are twice as accurate as global models. Solutions, such as crop specific climate smart advisory, are co-designed with food system stakeholders and delivered via text, whatsapp, smartphone apps, or web, and highly-scalable without requiring expensive, hard to maintain weather stations. Ignitia currently serves 2.7 million smallholder farmers across West and East Africa. Considering the average household size of about six people, more than 15 million people already benefited from ignitia's weather forecasts and climate smart advisory. Ignitia's solutions empower farmers to make better-timed decisions, leading to improved grain quality (reported by 57% of farmers, 60db, 2023), reduced reject rates (Nestle Aggregators, 2022), and effective preparation and response to extreme weather events (60db, 2023).

Website: https://drive.google.com/file/d/1fFtH6qqGl_Sb kpJzCagPobM ZEjOPdQGi/view?usp=sharing

Target Beneficiary Groups: POOR

WSIS Action Lines: 3, ENV, AGR

SDGs: SDG1, SDG2, SDG12, SDG13

Stakeholder Type: Private Sector

Country, Region: Sweden, Western Europe and North America
Title: Women Agricultural Extension Services (WAGES) Mobile

Description: "WAGES MOBILE is a text message program targeting small holder rural farmers (women) who are currently receiving nutrition education. Farm mobile provides farmers with “nutrition nudges” 2-3 times per week on nutrition-related school and community activities, grocery store specials, and physical activity ideas. Messages are targeted and focus on encouraging women farmers to take action. Our solution serves marginalized and underserved communities in Nigeria. We hold extensive dialogues with communities to establish need and we work with them closely to bring our solution to them in a way that ensures full participation. Each community we work with is different. The issues facing women farmers are different. By getting to know each community we can tailor our solution to their needs. Wages Mobile helps to connect women farmers with each other to exchange goods and services, reducing the distances they have to travel to make exchanges. So far 500 adverts have been posted through Wages Mobile, helping people to make exchanges with items like food crops, cassava and maize. We have over 500 women on our network. Because we support people with no access to technology or literacy, our solution is disproportionately beneficial to women farmers, who are more likely to lack property, access to technology and education. Women, however, are also more likely to give back to their communities, so we recognise that these women are also crucial to achieving our vision of robust rural economies capable of supporting education, healthcare, commerce, entertainment and professional services. By giving these women a digital history, both at a personal and community level, we level the field for their access to credit and build opportunities for property ownership through better yields and higher income."

Website: https://thestoryexchange.org/rita-robert-otu/

Target Beneficiary Groups: WOMN, INDG, POOR, RURL

WSIS Action Lines: 4, AGR

SDGs: SDG1, SDG2, SDG5, SDG12

Stakeholder Type: Civil Society

Country, Region: Saudi Arabia, Asia and Pacific
Title: **Communicating Irrigation System**

**Description:** Nowadays, agriculture is increasingly an important sector for food self-sufficiency in particular and for the country’s economy in general. With the dizzying development of electronics and computing and particularly thanks to IoT (Internet of Things) and ICT (Information and Communications Technologies) systems, we are witnessing a craze among researchers and manufacturers to focus on automatic and intelligent control of agricultural activity. In this sense, one of the major problems that should be managed in a more modern way is the automatic irrigation of plants. Our project is part of this perspective, and it consists of the design and construction of an automatic irrigation system for houseplants. The system will be designed using an embedded system such as IoT (Internet of Things) and based on a nano computer such as (Arduino, Raspberry, etc.). The system must irrigate the different plants according to temperature and humidity measurements or by predefined programs. The system must be equipped with communications technology that will allow it to be connected to the internet and accessible via websites and possibly accessible via SMS (Short Message Service) commands from the GSM (Global System for Mobile Communications) system.

**Website:**  [https://www.hackster.io/sehadnassim/smarter-watering-system-d7a2c5](https://www.hackster.io/sehadnassim/smarter-watering-system-d7a2c5)

**Target Beneficiary Groups:** POOR, RURL

**WSIS Action Lines:** 2, 6, ENV, AGR

**SDGs:** SDG1, SDG2, SDG6, SDG8, SDG13, SDG17

**Stakeholder Type:** Academia

**Country, Region:** Finland, Western Europe and North America
Title: Poolfarm - Empowering Peruvian Aquaculture through Human-Centered Digital Solutions

Description: At Poolfarm, we lead with innovative solutions and social responsibility to revolutionize Peruvian aquaculture. Our vision is to empower rural aquaculturists with personalized, accessible digital solutions that overcome connectivity and affordability challenges. Going beyond, we are developing a specialized variant of our software tailored to their unique reality. We are committed to bridging the digital divide and enhancing their capabilities, enabling them to seize growth opportunities in the aquaculture sector. With a sustainable approach, we are determined to make a positive impact on people’s lives and the industry’s future. At Poolfarm, we believe in a world where technology not only improves businesses but also enriches communities and preserves our environment.

Website: https://poolfarm.pe

Target Beneficiary Groups: RURL

WSIS Action Lines: 3, AGR

SDGs: SDG8

Stakeholder Type: Private Sector

Country, Region: Peru, Latin America and the Caribbean
Title: **Intelligent Crop Irrigation System**

**Description:** Agriculture contributes significantly to the economy and is predicated on quantifiable agricultural output, which is heavily reliant on irrigation. Due to improper management, lack of facilities and sources, the farmer takes a lot of time, hard work and also the water gets wasted. This demands for the automatic system which can deliver an effective solution. In this autonomous system, a soil moisture sensor is installed for measuring the moisture level in soil, there is also a water level sensor that ensure the water quantity is equal from main water channel to water channel that is connected to crop field. All sensors are controlled with Arduino. Arduino send values to and from the Raspberry. Farmers can check weather by putting the location of field in app then by analyzing the moisture sensor, weather forecast and geographical data of soil, feature app will notify the farmers about required quantity of water in crops. There will be water channel connected to all field of crops and MCU nodes at the end where fields need water. This will be control by Raspberry via wireless LAN.

**Objective:**

This machine will work so efficiently and water the fields accurately. There will no wastage of water by using this machine. This project will really be helpful in those specific areas having limited quantity of water. Every area has different type of soil. The amount of water will depend on type of soil. Android app in this project will also involve the feature of weather forecast that will inform farmers about geographically history of area and future weather either there be a rainfall or not. This app will be linked with agriculture department. So, farmer will get right tips regarding right time for crops. In case of crop epidemic this app will help by letting farmers know about fertilizer and spray required at that time.


**Target Beneficiary Groups:** RURL

**WSIS Action Lines:** AGR

**SDGs:** SDG8

**Stakeholder Type:** Private Sector
Country, Region: Pakistan, Asia and Pacific

Title: Tabit Smart Village

Description: Tabit Smart Village is the first smart village in the world that includes advanced agricultural technologies and IoT applications for family farmers living in rural areas and brings technology to the farmer. The aim of the project is to increase the efficiency of production and raise the social living standards of the farmers by using smart agricultural technologies. In this way, it is aimed to accelerate the digital adaptation process of farmers and increase their welfare level. Tabit reaches 1.5 million farmers in Turkey and 7.5 million farmers worldwide with Vodafone partnership. Thanks to the change process recorded with scientific methods in the Smart Village, soil measurements are made with smart systems and fields can be tracked through sensors. In addition, irrigation and automation systems, measurements and all data can be controlled from farmers’ smart devices. The MENA region, which has a population of 1.6 billion and 114 million farmers, was chosen as the target market. It was considered as a predictable market, especially considering its proximity to Turkey and the cooperation projects.
Website: https://www.youtube.com/watch?v=pgzzS_zOHfY

Target Beneficiary Groups: RURL

WSIS Action Lines: 2, 4, AGR

SDGs: SDG1, SDG2, SDG3, SDG4, SDG5, SDG6, SDG7, SDG8, SDG9, SDG10, SDG11, SDG12, SDG13, SDG14, SDG15, SDG16, SDG17

Stakeholder Type: Private Sector

Country, Region: Türkiye (Republic of), Western Europe and North America

Title: Salone Agro Market

Description: Salone Agro Market is a platform owned by Salgro Limited that is providing an innovative platform that aims to revolutionize Sierra Leone’s agricultural sector. Our objective is to empower small-scale farmers, improve market access, promote fair pricing, and foster sustainable practices. We achieve this by leveraging technology to connect farmers, buyers, and suppliers through a streamlined marketplace. Our approach involves offering online and offline accessibility, ensuring inclusivity through USSD short codes for users without internet access or smartphones. By eliminating intermediaries and connecting farmers directly with buyers, we streamline the value chain, reduce transaction costs, and enhance overall efficiency. The impact of Salone Agro Market is significant. Firstly, we contribute to food security by providing farmers with improved market opportunities, reducing post-harvest losses, and ensuring a steady supply of quality produce. This, in turn, enhances the incomes of farmers and helps to alleviate poverty. Salone Agro Market also addresses social empowerment by fostering fair pricing, reducing inequalities, and providing just compensation for farmers’ hard work. This strengthens local communities and supports overall development. Additionally, Salone Agro Market focuses on social empowerment. We champion fair pricing, ensuring that farmers receive just compensation for their hard work. By reducing inequalities in the agricultural sector, we strengthen local communities, promote social equity, and support overall development.

Website: https://saloneagromarket.com/

Target Beneficiary Groups: POOR, RURL
Title: eVuna (formerly known as Connected Farmer)

Description: The digital platform eVuna has the capacity to connect farmers in the most rural parts of Africa to a range of service and product providers, including input finance, GAP advisory, insurers and buyers that are ordinarily faced with challenges in engaging and trading with this segment at scale. The net effect is that productivity, yields, and income rise for all players in this digitally enhanced ecosystem. eVuna has also empowered youth via digital literacy, enabling them to utilise the eVuna application to venture into entrepreneurial activities such as marketing services to potential farmers, farmer onboarding & profiling as well as offtake aggregation for market linkage. The best performers in the eVuna agent network were young women. Agriculture is a critically important sector in Africa, responsible for 1/5th of the continent's GDP and almost 60% of its employment. 250 million smallholder farmers drive food security in most African nations but less than 15% of these farmers have access to information that can significantly improve productivity yields and income. eVuna supports African food security by supporting farmers in the face of global challenges such as climate change, water scarcity, crop and livestock disease and post-harvest losses. In the last year, farmers on eVuna have utilised more than a million dollars of capital provided through the platform, increasing their yields by 80% and generating a $600 uplift in revenue per farmer."

Website: https://drive.google.com/file/d/18YbCemQREO3EgDeRx6zl_RXIqVLoglE8/view

Target Beneficiary Groups: RURL

WSIS Action Lines: 3, 4, LEA, AGR, 8

SDGs: SDG2, SDG8, SDG12, SDG13, SDG15, SDG17

Stakeholder Type: Private Sector

Country, Region: Sweden, Western Europe and North America
Title: The Sixth National Telecommunications Plan (NTP6)

Description: Bahrain's Sixth National Telecommunications Plan (NTP6) aims to transform the country into a 'Smart Kingdom' by integrating advanced technologies like AI and Quantum Computing. Aligned with Bahrain's Vision 2030, the plan focuses on developing a future-ready digital infrastructure and fostering a borderless digital economy. The Plan Policies are aligned with the Acton Lines of the World Summit on the Information Society (WSIS), and the target goals of the International Telecommunication Union's (ITU) Strategic Plan, and as such, can serve a good practice for other countries to get inspired by to connect communities meaningfully. NTP6 ensures national broadband coverage of more than 95% of households and 100% of businesses, enabling post-gigabit capacities and affordable broadband services with speeds over 1 Gbps for residential users and 10 Gbps for businesses to achieve universal broadband access. To ensure meaningful connectivity, the plan aims to promote digital skills and enhance internet service accessibility. It supports businesses with fiber coverage, enabling them to engage fully in the digital economy. Access to government services online is prioritized for transparency and efficiency. Sustainability is a pivotal element in advancing environmentally friendly solutions. The plan promotes the adoption of eco-friendly hardware, software, and energy practices within the telecommunications sector. Overall, NTP6 aligns with Bahrain's vision of a 'Smart Kingdom' by embracing advanced technologies, fostering a borderless digital economy, and promoting sustainable practices in telecommunications. Bahrain commits to reporting its successes and lessons learned as digital knowledge for the WSIS stakeholders.

Website: https://www.mtt.gov.bh/directorates/telecommunications

Target Beneficiary Groups: YOUTH, OLDP, WOMN, DISB, UNEMP, POOR

WSIS Action Lines: 1, 2, 3, 4, 5, 6, BUS, LEA, HEA, EMP, ENV, SCI, 11

SDGs: SDG7, SDG8, SDG9, SDG11
Title: Addressing space sustainability with innovation

Description: According to NASA, there are upwards of 23,000 pieces of debris larger than a softball circling the Earth at speeds up to 17,500 mph, and a far greater number of smaller particles in Low Earth Orbit (LEO) that increases the risk of collisions and debris, impacting the prospect of future spectrum sharing, and compromising the future of ground-based astronomy. This concerning situation is unlikely to improve, with thousands of new satellites, part of very large constellations, expected to launch over the next years. As the foundational architect of satellite technology, Intelsat is committed to leadership in sustainable space operations and is playing a key role in accelerating space-serving innovations that are driving efficiencies in the commercial space industry and helping to develop the in-orbit servicing ecosystem. Already, Intelsat has partnered with Northrop Grumman on two Mission Extension Vehicles missions, enabling to extend the life of two satellites by five years, and announced this year the order of two Mission Extension Pods. Intelsat is also working with ClearSpace, a company committed to debris removal in space. Balancing a growing industry with safe and sustainable stewardship of the resource of space will require a collaborative, industry-wide effort. The industry will need to proceed responsibly across low earth and GEO orbits with collaboration key to adopt standards and
interoperability necessary to create scale for the space industry. This will also require the engagement of regulators and international agencies. The industry has a responsibility to build a safe and sustainable space for the generations to come and Intelsat is actively engaging with partners on this topic.

Website: https://www.intelsat.com/

Target Beneficiary Groups: NULL

WSIS Action Lines: SCI, 11

SDGs: SDG9

Stakeholder Type: Private Sector

Country, Region: Luxembourg, Western Europe and North America

Title: Intelligent and Seamless Detection of Health of Concrete Materials Using Two-Port Microwave CSRR Sensor

Description: Concrete is the second most used substance in the world after water. We use it in wide ranging areas of our lives and livelihoods. While a lot of studies and interventions pertaining to the harmful effects of carbon emissions on human and biological lives regarding, few, if any, have considered the effects such emissions pose to concrete structures that we rely on for shelter, transportation and other important areas of our lives. Within the field of structural engineering, there are many types and causes of concrete deterioration. However, the impact of carbonation leading to embedded weakening the concrete is sparingly investigated. Our project employs study a microwave sensor combined with artificially intelligent units to design an intelligent system for real time, invasive detection of carbonation attacks on concrete structures with the aim of providing necessary information for timely interventions to mitigate the potential impacts of concrete failure."

Website: https://www.timeshighereducation.com/hub/p/embedding-sustainability-curriculum-prince-sattam-bin-abdulaziz-university

Target Beneficiary Groups: NULL
Title: Eco Smart Solutions

Description: Telefonica promotes the development of digital solutions to help our customers in their transition to more sustainable business models and we promote the twin digital and green transitions. To promote this transition we have created the ECO SMART seal to enable customers to identify the potential environmental benefits generated by our products and services following implementation. ECO SMART is a green credential to certify services based on connectivity, Internet of Things (IoT), cloud, big data, Artificial Intelligence or 5G that not only generate operational and cost-saving benefits, but environmental ones as well. Specifically, these services reduce the consumption of energy, water, CO₂ emissions and promote the circular economy. They are being used by both cities and companies of various sizes in the key sectors, including tourism, industry, logistics and distribution, retail and banking. The ECO SMART seal is available in Brazil, Germany, Chile & Spain allowing customers to incorporate sustainability criteria into their purchasing decisions so that they can contribute to the transition towards a more sustainable society. The environmental benefits that are generated by our services and represented in the label have been externally verified, by AENOR, an independent and external certification organization. To date, 54% of the solutions we offer have been verified as Eco Smart by AENOR.

Website: https://www.telefonica.com/en/sustainability-innovation/environment/green-digitalisation/

Target Beneficiary Groups: NULL

WSIS Action Lines: 5, 6, BUS, SCI

SDGs: SDG6, SDG9, SDG11, SDG12, SDG13

Stakeholder Type: Private Sector
Country, Region: Spain, Western Europe and North America

Title: Augmented Reality Technology Adoption in KFU Scientific Environment (KFU AR App)

Description: The Deanship of E-Learning and Information Technology at King Faisal University has produced the Augmented Reality Technology via developing (KFU AR) application on mobile devices, which uses Augmented Reality techniques to display scientific elements in a three-dimensional digital way that simulates reality and can be used to cover practical fields aspects and provide them in easy ways. At a lower cost, especially in medical scientific colleges such as medicine, science, pharmacy, and applied medical sciences, and presenting them in easy ways that allow students to view the educational elements in all their details and interact with them in a way that simulates reality, which contributes to the development of students’ scientific thinking skills.


Target Beneficiary Groups: YOUTH, WOMN, REFG

WSIS Action Lines: 3, 4, LEA, SCI

SDGs: SDG4, SDG9

Stakeholder Type: Academia

Country, Region: Saudi Arabia, Asia and Pacific

Title: Textual Data Classification for Mining Patient Experience
**Description:** Patient Experience Analysis is a window into patients’ perspectives about provided care, empowering patients by consulting them in an innovative manner to provide meaningful insights about the patient experience. The surveys used ask extensively-tested questions using a consistent methodology across a large sample of respondents. They generate standardized and validated measures of patient experience that become available to healthcare providers. By relying on open-ended questions, this type of methodology largely improves the type of insights that can be obtained from multiple choice or binary response answers, allowing the analysis to capture reactions and emotions that would otherwise be unnoticed. Manually reading, analyzing, and tagging text is a time-consuming and ineffective task, leading to results that are often inaccurate and represent a process that is difficult to scale. Therefore, the project relies on the use of emerging technologies. Artificial Intelligence, Natural Language Processing and Machine Learning algorithms are integral parts of the process, improving the way in which subjective information is handled. They are used to find the most common complaints and compliments and to segment information to recognize opportunities for care improvement. Thus far, this project has led to increased patient satisfaction with healthcare provision.

**Website:** https://eapps.ngha.med.sa/pics/ITPromotion/Data_Mining.pdf

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 6, HEA, SCI

**SDGs:** SDG3, SDG9

**Stakeholder Type:** Government

**Country, Region:** Saudi Arabia, Asia and Pacific

---

**Title:** Large-Capacity Wide-Area Data Express for Scientific Computing Breakthroughs

**Description:** The explosive growth of data and the breakthrough of AI technology have promoted the development and transformation of the scientific field, and data has become the most important new element for scientific development and breakthroughs. However, at present, the wide-area transmission of large data volumes is still dominated by the physical medium transmission of manual hard disks, which is extremely inefficient, has poor
effectiveness, and has great potential security risks. The contradiction between the explosive growth of data and the inefficiency of data transmission is becoming more and more prominent in the field of scientific research. An efficient and economical online data transmission solution is urgently needed for the remote migration of massive data in scientific computing. This project proposes a data express solution and service, based on Computility network, combined with AI intelligent scheduling, to provide efficient, economical, safe and reliable massive data transmission services. Provide a more excellent and efficient data transmission experience for the development of electronic science, and serve major breakthroughs and innovations in electronic science.

**Website:** https://ecloud.10086.cn/portal/product/DataExpress

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, POOR

**WSIS Action Lines:** SCI

**SDGs:** SDG3, SDG9, SDG12

**Stakeholder Type:** Civil Society

**Country, Region:** China, Asia and Pacific
Title: Concept of an Artificial Intelligence Platform for Predictive Maintenance

Description: The project represents a first experience of integrating artificial intelligence technology in Sonatrach. Faced with the growing importance of maintenance in the industrial sector, we have integrated this technology in maintenance domain. One of the main benefits of AI for maintenance is its ability to analyze big data in real time, connected sensors and monitoring systems (SCADA) to have continuous data collection on equipment, and AI uses this data to identify anomalies and predict equipment failure. The algorithms we have developed are based on machine learning and deep learning models. The resulting prediction result allows engineers to plan maintenance before critical failures occur. We have also developed AI models for each equipment failure mode. These models are based on the expertise of engineers who have identified the parameters to be predicted to predict different equipment failure. With these predictive models we can:

* Reduce costs associated with frequent maintenance activities.
* Prevent production losses due to failure equipment.
* Anticipate costly equipment failure.
* Adopt a new maintenance schedule based on the recommendations of the intelligent AI model instead of adhering to a predefined schedule.

Website: fatimazohra.bennani@sonatrach.dz

Target Beneficiary Groups: NULL

WSIS Action Lines: BUS, ENV, SCI

SDGs: SDG8, SDG12

Stakeholder Type: Private Sector

Country, Region: Algeria, Africa

Title: Gaussian Level Classification Network (GLCNet)

Description: This project represents a major step forward in high-resolution image analysis, with the primary goal of classifying image quality by accurately identifying noise levels. Using a sophisticated combination of Convolutional Neural Network (CNN) and Long Short Term Memory (LSTM) architectures, the initiative focuses on distinguishing and
categorising different noise patterns within images. This accuracy is critical given the complexity of high-resolution imaging. The success of the project is demonstrated by its ability to outperform established benchmarks such as ResNet18, ResNet32, VGG-19 and CoAtNet on several key metrics, including accuracy, precision, F1 score and recall. This not only demonstrates the superior performance of the neural network in noise level classification, but also sets new standards for image quality assessment. The impact of this project is significant, particularly in areas where image fidelity is paramount. It provides a reliable tool for assessing image quality, which is critical in many scientific and industrial applications. By pioneering the use of CNN and LSTM in deep learning for this purpose, the project paves the way for further innovation in specialised data analysis, and highlights the potential of advanced neural networks to improve the accuracy of image quality classification.

Website: NA

Target Beneficiary Groups: YOUTH

WSIS Action Lines: SCI

SDGs: SDG9

Stakeholder Type: Academia

Country, Region: Malaysia, Asia and Pacific

Title: Kafaa Operational Excellence Platform

Description: Kafaa (Efficiency) is a platform created in collaboration between ADQCC and G42 Healthcare. This platform was built to visualize data and measure operational excellence. The key pillars of this platform aim to enhance services, operation, and employee efficiency by: - Improving operational efficiency - Reducing operation costs - Increase operation speed - Maintaining and enhancing the quality of operation The platform is an interactive internal dashboard between the 2 entities, measuring strategic and operational key performance indicators (KPIs) been designed in the platform and using data of Central Testing laboratories to measure and track operations. It visualizes internally the results of services provided to stakeholders and can track all activities from service registration to issuing report. It also contains sub-dashboards for each external
stakeholders who is using Central testing laboratories services. these stakeholders have access to these sub-dashboards to follow up their samples, services and track it live.

**Website:** NA

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 1, 2, 4, 6, GOV, SCI

**SDGs:** SDG3, SDG8, SDG9

**Stakeholder Type:** Government

**Country, Region:** United Arab Emirates, Asia and Pacific

---

**Title:** Uniform Anti-plagiarism System (JSA)

**Description:** The Uniform Anti-plagiarism System (JSA) is used by academic supervisors to ensure that theses have not been plagiarised. The system is available free of charge to all Polish higher education institutions that are authorized to grant professional titles and academic degrees. JSA has been designed to protect copyrights and prevent unfair competition among students. The system detects text tampering, including microspaces and letters from non-Latin alphabets, expressions that have been replaced with their synonymous equivalents and those that have been added to the already copied and pasted text passages. JSA compares submitted theses to those stored in the largest Polish dissertation repositories and to texts available on the Internet. When portions of text are identified as containing plagiarism, alerts and notifications are triggered, notifying supervisors of potential frauds. JSA is compatible with a variety of text file formats. The system ensures identical algorithm standards in every institution. JSA meets the WCAG requirements, which means it is friendly to the visually impaired and color-blind people. All system functionalities are available to academic staff only. Students can, however, use the limited version to check whether their theses are plagiarism-free. JSA serves as support tool to nearly 350 higher education institutions in Poland.

**Website:** https://jsa opi.org.pl/home/login

**Target Beneficiary Groups:** YOUTH
Title: IOT Based Smart Electricity Meter

Description: The "IoT Based Smart Electricity Meter" project is designed to modernize the monitoring and management of electricity consumption. By utilizing Internet of Things (IoT) technology, the project enables real-time data collection, analysis, and visualization of electricity usage. Through mobile applications, web servers, and an LCD display in Normal Mode, users gain convenient access to their energy consumption metrics. The mobile application and web server interfaces provide users with detailed insights into their electricity usage patterns, including real-time data, historical trends, and visual representations like graphs and charts. These features empower users to make informed decisions about their energy usage, promoting efficiency and sustainability. The LCD display in Normal Mode offers users a quick and accessible way to view essential energy consumption information without relying on additional devices or applications. This ensures that users remain informed about their energy usage at all times, facilitating greater awareness and accountability. Beyond individual users, the project has broader implications for energy management on a societal level. By promoting awareness and encouraging responsible energy consumption practices, the project contributes to efforts aimed at reducing overall energy consumption and minimizing environmental impact. Looking ahead, the project has potential for further innovation, including the integration of advanced analytics and predictive modeling techniques. Future developments could also involve integration with smart home automation systems and utility grids, enhancing the project's capabilities and impact on energy management practices.

Website: https://fambzzhh.com

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

WSIS Action Lines: GOV, BUS, LEA, HEA, EMP, ENV, AGR, SCI
**Title:** Tiger identification system

**Description:** Amur tiger is the most northern, biggest and most endangered tiger species in the world. Yet its habitat and population monitoring lacks accuracy as it is performed manually. More than 24 million photos of tigers are made annually in tiger habitat in Russia and it takes from six to nine months for preservation specialists to process them. This leads to outdated information and various cases of late help (for example, for ill animal), uninformed animal attacks or late understanding of ecosystem changes. Tiger identification system aims to provide more information on tiger species, its population, habitat and behavior, increase the speed and accuracy of the species monitoring, accelerate the response from preservation specialists and, so, help to preserve the tigers. And AI is the main enabler. Based on photos from photo traps located in the tiger habitat the AI-based system allows to detect a tiger and identify specific tiger based on its unique stripes pattern as well as to provide necessary analytics. As a result, preservation specialists can receive prompt information in a few days. Currently, the system is already generating an impact preserving the species as it is being implemented with Amur Tiger Center.

**Website:** https://www.ru

**Target Beneficiary Groups:** INDG, RURL

**WSIS Action Lines:** ENV, SCI, 11

**SDGs:** SDG9, SDG11, SDG13, SDG17

**Stakeholder Type:** Private Sector

**Country, Region:** Russian Federation, Eastern Europe
Description: Sber AI and FEFU (Far Easter Federal University) have created a joint Far Eastern Artificial Intelligence Center aimed to develop AI models tailored for tackling key ESG risks of the Far East and South-Eastern Asia. The Far Easter AI Center serves as an example of cooperation of different AI stakeholders to achieve ESG regional – specific goals by joint development of AI powered solutions in the fields of weather prediction, logistical optimization (for reduction of CO2 emissions) etc. This format can be replicated to other regions and stakeholders.

Website: https://fareastai.ru/

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, UNEMP, POOR, REFG, RURL

WSIS Action Lines: SCI, 11

SDGs: SDG2, SDG3, SDG8, SDG9, SDG11, SDG13, SDG14, SDG17

Stakeholder Type: Private Sector

Country, Region: Russian Federation, Eastern Europe

Title: SIGNLINGO

Description: Signlingo is an app designed specifically for the deaf and mute community and those who seek seamless communication with them, and addresses the communication gap by leveraging artificial intelligence and the phone's camera. The app skillfully converts sign language gestures into readable and audible texts, promoting inclusivity. Users can simply display hand gestures in front of the camera, and AI helps translate these gestures into English letters. Signlingo's primary goal is to seamlessly integrate the deaf and mute community into social media platforms. Additionally, the inclusion of a keyboard feature to translate sign language into English enhances its versatility and usefulness. This innovative app not only breaks down communication barriers, but also seeks to make the online space more accessible and inclusive for the deaf and mute community.

Website: https://www.facebook.com/profile.php?id=61552637064852

Target Beneficiary Groups: NULL

WSIS Action Lines: SCI
**SDGs:** SDG4

**Stakeholder Type:** Academia

**Country, Region:** Algeria, Africa

---

**Title:** KoboToolbox

**Description:** KoboToolbox is an open source data collection platform used globally in humanitarian action, development, environmental protection, peacebuilding, and human rights. KoboToolbox was designed to collect high quality data even in the most challenging environments. Using KoboToolbox’s intuitive interface and easily customizable forms, users can collect data online or offline, with mobile devices or web forms. Quickly collecting reliable information in a crisis is critical to effectively responding to the needs of affected communities, especially in under-resourced areas. Effective and high quality data collection is often most critically needed in areas with limited resources, offline settings, or humanitarian and development projects. Traditional paper-based data collection methods and manual data entry can be time consuming, error prone, and difficult to manage. Many local organizations have limited formal training in data collection and insufficient resources to hire specialists. As a result, organizations working most closely with local communities often do not have access to the tools and skills that would support them to work most effectively. KoboToolbox provides a digital solution for data collection that is accessible to everyone and supports sustainable development by empowering local organizations with quality data collection tools. It works offline, on any device, and enables more efficient data collection, management, and visualization. With features like skip logic, validation, and multimedia inputs, users can efficiently capture quality data even in low-resource settings. The platform enables secure data synchronization, visualization, and analysis, supporting more informed decision-making and project evaluation. By streamlining data processes, KoboToolbox empowers organizations around the world with high quality data, so they can make an even greater impact on the ground.

**Website:** https://www.kobotoolbox.org/

**Target Beneficiary Groups:** YOUTH

**WSIS Action Lines:** 1, SCI
Title: Tele-epidemiological early warning system via earth observation satellites

Description: Our project aims to develop a tele-epidemiological early warning system capable of anticipating the outbreak of health crises by relying on state-of-the-art satellite coverage (from our nanosatellite constellation and satellites from other parties). Tele-epidemiology is an unprecedented technoscientific resource that allows for correlating health risk factors with climatic and environmental data from space remote sensing to map and prevent the likelihood of arbovirus emergence - diseases transmitted by arthropod vectors (mosquitoes, ticks, etc.). These epidemiological bombs have attracted the attention of scientific research - e.g., the French Space Agency, Institut Pasteur as far as France is concerned - which has demonstrated the relevance of techniques based on satellite imagery and the urgency of their widespread dissemination. By seeking to leverage the exploitation and fusion of Earth Observation data, PROMÉTHÉE Earth Intelligence, a nanosatellite remote sensing operator and creator of geo-intelligence applications, is partnering with these research institutes to develop a comprehensive tele-epidemiology solution with a global scope. Having been awarded the Deep Tech label by the French Government in 2021, PROMÉTHÉE Earth Intelligence has been able to materialize initial innovative building blocks that are crucial to develop right now, both to prevent and mitigate health risks resulting from climate change. With a +1.5°C increase in global warming since 1900, a lot of territories are affected by the proliferation of tropical mosquitoes carrying high pathological risks. Despite the growing demand from health services, health surveillance systems do not yet integrate climate and environmental data as predictive factors for the epidemiological dynamics of vector-borne diseases. It is, therefore, necessary to provide them with operational knowledge derived from space-based climate and environmental observation for health surveillance purposes.

Website: https://www.promethee.earth/en/
Title: Solar flares, the rivers and the food crops

Description: The brief description of the innovative ideology product solution is the prediction and preparedness mechanisms of the sustainability and production and consumption patterns of the food crops of the millets. This is ideally based on the causes and effects of the solar flares radiation exposure on the rivers.


Title: Universities Smart Services Single Window (USW)

Description: The project is titled "Unified Universities Smart Services Window" with the aim of creating a suitable platform for providing smart higher education services to its main audience, including students, faculty members, graduates, knowledge-based companies, etc. The first service offered in this project is the "Single Sign-On" service. In the second stage, a list of service providers in the higher education sector of the country
has been designed. In this list, service providers are categorized into central and university-based institutions. Central service providers include the Ministry of Science, Research, and Technology, along with its affiliated organizations. University-based service providers include government universities affiliated with the Ministry of Science, Research, and Technology, universities affiliated with other government executive bodies, private universities, science and technology parks, and more. In the third phase, centralized and university-based software systems that provide electronic services to their audience have been connected to the Unified Intelligent University Services Window system. More than 450 systems belonging to over 250 service providers have been connected, enabling unified access for users. In the fourth and final stage, the list of services that can be provided is prepared and revised. In carrying out the review, the three sub-processes of requesting, performing, and delivering the service are reviewed and redesigned, and service intelligence is implemented in such a way that the predictability of service delivery is based on the history of the contacts' requests or the available information file from their educational and research records and analysis. It will be possible for them to benefit from the services in the future. This phase is being implemented and will be completed within the next year.

**Website:** usw.msrt.ir

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 1, 2, SCI

**SDGs:** SDG8, SDG10

**Stakeholder Type:** Government

**Country, Region:** Iran (Islamic Republic of), Asia and Pacific
Title: Berkeley Open Infrastructure for Network Computing (BOINC)

Description: BOINC - the Berkeley Open Infrastructure for Network Computing - is a distributed computing platform that enables volunteers worldwide to contribute their idle computer resources to public-interest research projects. These projects span a range of disciplines, including astronomy, physics, biology, and climate science. BOINC’s importance lies in its ability to democratize access to high-throughput computing resources. By leveraging the collective power of thousands of volunteered computers, researchers can perform calculations and simulations that would otherwise be impossible due to limitations in funding and infrastructure. Furthermore, BOINC facilitates collaboration between scientists and the public, allowing enthusiasts to directly contribute to cutting-edge research efforts. This democratization of scientific computing not only accelerates the pace of discovery but also fosters public engagement and education in science. In essence, BOINC represents a powerful fusion of technology and community-driven collaboration, empowering individuals to make tangible contributions to advancing our understanding of the world around us.

Website: https://boinc.berkeley.edu/
Target Beneficiary Groups: YOUTH

WSIS Action Lines: 2, 3, LEA, SCI

SDGs: SDG4, SDG7, SDG9, SDG10, SDG12, SDG13, SDG14, SDG17

Stakeholder Type: Academia

Country, Region: United States of America, Western Europe and North America

WSIS Action Line C8.

ICT Applications: Cultural diversity and Identity, Linguistic Diversity and Local Content

Title: Building bridges of communication between different continents

Description: Arab Culture and Arts Network - ACAN

An independent, non-profit organization established in 2020 during the Corona pandemic crisis on the initiative of cultural activists with the aim of networking individuals and cultural and artistic institutions, for cultural solidarity and opening a link and channels for the exchange of events, festivals, and experiences in art and culture in the Arab region and opening cultural bridges in the Middle East, and between the Middle East and the West.

Our vision: Due to the Corona...
pandemic, which greatly affected the cultural scene in the region, it made us re-read the scene and the transformations in order to create a network for culture and arts, to enable cultural communities among themselves for networking and cooperation, support creativity, encourage exchange and grants for creative works, and improve policies supporting culture and arts in the Arab region activating the role of art and culture in changing societies through free expression in the field of theater, cinema, music, literature, research, studies, exhibitions and performing arts. Our Team The Arab Culture and Arts Network includes a working team with different expertise and artistic skills within a system headed by a general assembly that includes a number of active cultural activists in the Arab region, an administrative body composed of 9 members, and four basic committees that include volunteers from young artists.

**Website:** https://cultureartsnetwork.com/about-us/

**Target Beneficiary Groups:** YOUTH, WOMN, DISB, REFG, RURL

**WSIS Action Lines:** 8

**SDGs:** SDG8, SDG9, SDG10, SDG16, SDG17

**Stakeholder Type:** Civil Society

**Country, Region:** Lebanon, Asia and Pacific
Title: INTERNET SAMBUNG DESA (NETSADA)

Description: Netsada or “Internet Sambung Desa” which is explicitly interpreted as “Internet Connecting Villages” is a community assistance project that aims to realize village digital transformation. The Project involves several villages from Blitar Regency in collaborative work to actualize a smart society that aims towards creating a Smart Village. The availability of internet network infrastructure in the villages is one of the basic aspects needed for elements such as smart mobility and digital literacy. This project is the form of our effort to achieve Sustainable Development Goals (SDGs) in the village. The next important aspect of this project involved assistance in building smart governance based on one data application services, actualizing a smart economy, smart environment, and smart living. The project’s main focus is developing potentials, as well as responding to various challenges of empowering village communities in realizing agricultural innovations based on Internet of Things (IoT) Technology in the upstream sector and presenting post-harvest product data in the downstream agricultural sector, climate change, and various public services including health, education, small industry (IKM) along with micro, small and medium enterprises (UMKM) among village communities based on digital technology. The project’s implementation takes shape in the form of inclusive digital literacy for village community groups, thematic workshops and training, along with building practical facilities in the shape of pilot demonstration plots for community groups in the village. Starting from farmer groups (POKTAN), women farmer groups (KWT), IKM, UMKM and Cooperative actors, youth groups as well as tourism awareness groups (POKDAWIS). The project implemented by the Blitar Information and Communication Technology Volunteers (RTIK Blitar) is dedicated to Villages from Blitar Regency in order to achieve the SDGs which are grouped into the 6 pillars concept of Smart Villages as a national role model.

Website: https://sambungdesa.com

Target Beneficiary Groups: YOUTH, WOMN, INDG, DISB, UNEMP, POOR, RURL

WSIS Action Lines: 1, 2, 3, 4, 5, 6, GOV, HEA, ENV, AGR, 8, 9, 10

SDGs: SDG1, SDG2, SDG3, SDG4, SDG5, SDG6, SDG7, SDG8, SDG9, SDG10, SDG11, SDG12, SDG13, SDG14, SDG15, SDG16, SDG17

Stakeholder Type: Civil Society

Country, Region: Indonesia, Asia and Pacific
Title: Peace Forum

Description: Lahibali Theatre Art was established in the year 2013 with the aim of preserving and promoting the culture and history of Dagbong Kingdom through Film Production, Historic Tourism, Stage Art, Culture Music and Dance. Despite the so many challenges, the theater art has imparted society through educating youth on history and culture. We also put together most of Dagbong history into films. The theatre art also contributed massively in peace building in Yendi through stage performance. This is working well because, the digital world today, most of the youth pay attention to performing arts than mere speech.

Website: https://www.youtube.com/@lahibalitheaterart

Target Beneficiary Groups: RURL

WSIS Action Lines: 3, 8

SDGs: SDG1

Stakeholder Type: Private Sector

Country, Region: Ghana, Africa
Title: Augmented Reality(AR) Experience for Cultural Heritage Sites and Museum Landmarks

Description: AROVR INNOVATIONS PRIVATE LIMITED successfully entered and practiced developments in Augmented Reality(AR). The startup is precisely targeted on Augmented Reality technology and stark on simplifying convoluted development processes for Indian Heritage and its cultural sites. Simulation of the naked eye world into 3D experience, adopting the burgeoning technology and taking dire steps to run the state of the art without any critical counter factualism with noble intention to bring a revolution into the Indian heritage world. To be very precise lets say a tourist visits konark temple. Just by looking at it, he can hardly find any crisp details about it. We are bringing the solution here. We are providing digital access to the details in augmented reality mode. At any particular point, user can use his mobile or rented Hololens(AR Glass) to see the augmented contents with multilingual format(audio visuals, 3d models, animations). For example, if one reaches the konark wheel, points his camera, he will be able to see details.
in his mobile phone. Using AR Glass to see the digital details directly into his vision while wandering in-situ.

**Website:** https://www.ar-o-vr.in

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 2, BUS, 8, 11

**SDGs:** SDG9

**Stakeholder Type:** Private Sector

**Country, Region:** India, Asia and Pacific

---

**Title: EmpowHER (Embracing Inclusivity)**

**Description:** A program consisting of disruptive technologies aimed to enable women and employees with disabilities to work in remote areas safely. The technologies were invented and developed by skilled women utilizing advanced technologies such as IoT and Video Analytics. The projects are Rubban, ATHR, fatigue tracking, and Yard SafetyScene, ensuring the safety and well-being of women and individuals with disabilities in the traditionally male-dominated industries. Rubban automates activities and operations for the captain and crew of vessels and ships. ATHR, on the other hand, tracks the offshore locations of the passengers on vessels and ships and ensures their emergency requests are addressed in real-time, while detecting and tracking fatigue levels of travelers and workers to avoid accidents caused by tiredness. Finally, Yard SafetyScene tracks workers in yards and ensures that they are safe and away from harm during their

**Website:** https://www.aramco.com/

**Target Beneficiary Groups:** OLDP, WOMN, DISB

**WSIS Action Lines:** 8

**SDGs:** SDG3, SDG5

**Stakeholder Type:** Private Sector

**Country, Region:** Saudi Arabia, Asia and Pacific
Title: 3D Virtual Reality Learning, Multilingual and Multi-platform for Hajj and Umrah (3DVhajj)

Description: The project aims to conduct practical training on the rituals of Hajj and Umrah properly, step by step, using 3D, interactive, multilingual, multi-environment virtual world techniques, and by simulating the rituals closer to reality, with realistic modeling of high quality, in order to reduce the common mistakes that occur in it in addition to defining non-Muslims who cannot visit the holy places, meaning the obligation of Hajj and Umrah. Project’s added value and importance: The essence of Virtual Hajj project is about rules, visual, orientation, timing, recitations, actions and experience of the pilgrimage. The best technology to cover the essences above is Virtual Reality. The project runs in an interactive Virtual Reality technology in the form of a 3D running on ubiquitous mobile technology such as Android and iOS and designed using Experiential Design methodology, running in either standalone or networked environment. With Virtual Hajj, everyone can learn Hajj effectively, interactively and in-depth, everywhere.

Platforms:
- 3D Virtual Hajj for iOS (iPhone / iPad)
- 3D Virtual Hajj for Android
- 3D Virtual Hajj for windows
- 3D Virtual Hajj for MacOs
- 3D Virtual Hajj for Linux

Languages (Phase 1):
- Arabic.
- English.
- French.
- Urdu.

Website: https://moia.gov.sa/Pages/3DVhajj-en.aspx

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, RURL

WSIS Action Lines: 3, LEA, 8

SDGs: SDG4, SDG5, SDG10, SDG16, SDG17

Stakeholder Type: Government
Title: Sharing film cultural resources using new generation technologies

Description: Through the implementation of the project and the integration of innovative artificial intelligence (AI) algorithms, 35mm.online (an unique streaming platform featuring Polish film classics), WFDiF, together with technological partners, has enabled our users to search for the video and/or audio content in a new, intuitive, and detailed way. Thanks to the applied AI algorithms (machine learning and artificial neural networks), analysis of the visual content of movies is performed, enabling the recognition of faces, people in the frame, or even scenes. Users can now search for videos based on actors' names, objects, distinctive character attributes, or even find movies through quotes using transcription algorithms. Additionally, the system allows users to search for scenes based on classified emotions expressed by characters and specific sounds, enhancing the overall user experience. This project, based on artificial intelligence (AI) algorithms, has enriched overall user experience and opened up new, innovative possibilities for content exploration. The implemented solutions seek to ease content access, allowing users to precisely define what is interesting to them - this solution is the first of a kind in the polish VOD market, providing added value in both entertainment and cultural education areas. The applied AI creates a new quality in the audio/video search engine segment.

Website: https://35mm.online

Target Beneficiary Groups: YOUTH, OLDP, WOMN, DISB, POOR

WSIS Action Lines: 8

SDGs: SDG9, SDG16

Stakeholder Type: Government

Country, Region: Poland, Eastern Europe
Title: Restoration and Digitization of Algerian Film Heritage

Description: given that Algeria has an enormous film heritage varied between feature films and short films, documentaries and news, revolutionary and dramatic, which is in Algeria and in some laboratories around the world, as well as the great risk of irremediable losses of these works, we absolutely must restore and digitize these film works, in order to preserve this heritage which is considered a cinematographic memory and to keep it and show it on digital media for future generations, so that these generations continue the development in the cinematographic field.

Website: https://cnca.dz/

Target Beneficiary Groups: NULL

WSIS Action Lines: 8

SDGs: SDG17

Stakeholder Type: Government

Country, Region: Algeria, Africa

---

Title: Radio Broadcaster Women Forum

Description: As part of the actions to commemorate International Women's Day, the Federal Telecommunications Institute (IFT) held the Radio Broadcaster Women Forum, a space in which women who collaborate in community and indigenous radio stations shared their experiences, knowledge and reflections on the need to promote the participation of women in all aspects of radio projects, as well as generating and promoting content with
a gender perspective that contributes to eliminating socio-cultural barriers that have diminished their participation in these media. This was done through keynote speeches and roundtable discussions, in which public servants of the IFT, experts, and academics also participated. This forum was held in a hybrid format on March 7th and 8th, 2023, with 76 external attendees in person (in addition to the attendees from the IFT), of which 48 attended on behalf of community and indigenous media, participation that was coordinated and financed by the IFT. In addition, the following participation was registered by electronic means: Day 1: Webex seminar 218, IFT website (https://www.ift.org.mx/) 256, IFT Social media IFT (Facebook, YouTube and Twitter) 3,096 Day 2: Webex seminar 186, IFT website 195, IFT Social media (Facebook, YouTube and Twitter) 1,339

Website: https://www.youtube.com/watch?v=zvLcMmw2K5Y

Target Beneficiary Groups: WOMN, INDG, RURL

WSIS Action Lines: 1, 4, 8

SDGs: SDG1, SDG5, SDG8, SDG10, SDG16

Stakeholder Type: Government

Country, Region: Mexico, Latin America and the Caribbean

Title: Beijing Central Axis World Cultural Heritage 5G Monitoring and Protection Platform Project

Description: Goals, Achievements, and Impact: In order to implement the requirements of the "Construction of a Central Axis Heritage Monitoring System" in the "Three Year Action Plan for the Application and Protection of the Beijing Central Axis", and in accordance with the strategic positioning of the "Four Centers" city and the requirements of core area control regulations, standing at the height of building a world historical and cultural city, this project aims to comprehensively promote the construction of the Beijing Central Axis World Cultural Heritage Monitoring and Protection Platform, utilizing new technologies such as 5G, Internet of Things, and artificial intelligence to carry out intelligent monitoring of cultural relics Business process reengineering and transformation such as inspection, protection, and utilization, constructing important application scenarios, improving management efficiency, and utilizing big data to "empower" not only assist the central axis
in applying for world cultural heritage, but also provide an important application scenario for smart cities. Sustainability and replicability: There are numerous cultural heritage sites worldwide. Through emerging technologies such as 5G, big data, AI, MR, and 4K live streaming, this project has achieved comprehensive monitoring and protection of cultural heritage, innovatively creating a cultural service delivery model that meets the protection and utilization needs of cultural heritage sites worldwide. This project will continue to comprehensively monitor and protect the cultural heritage of the central axis, help Beijing's central axis play a huge influence on urban development, empower the mode of quality supervision and management of cultural relics protection projects to change and sustain development, and promote the sustainable development of cities led by heritage protection.

Website: https://www.10086.cn/

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

WSIS Action Lines: 8

SDGs: SDG11

Stakeholder Type: Civil Society

Country, Region: China, Asia and Pacific

Title: The Pan-African Youth Ambassadors for Internet Governance (PAYAIG)

Description: The Cyber Czar's initiative, Pan-African Youth Ambassador for Internet Governance (PAYAIG), empowers 1000 African youths (18-30 years old) across all five regions, focusing on internet governance and digital governance of emerging technologies. The initiative responds to the 17th IGF stocktaking recommendation for direct training sessions, focusing on youth, newcomers, and journalists. It also, aligned with AUC PRIDA's goals, to strengthen national, regional, and continental internet governance initiatives, enhancing Africa's active engagement in the global internet governance discourse. In promoting multi-stakeholderism, inclusivity, and cultural diversity, PAYAIG conducts training in five languages: Arabic, English, French, Portuguese, and Swahili. In 2023,
PAYAIG achieved a remarkable milestone, training 1000 Fellows from 52 African countries. From this year programme, 100 PAYAIG Ambassadors were carefully selected across five cohorts, representing 43 African countries with a balanced distribution of 20 per cohort. A notable achievement is the impressive 60% representation of women, showcasing PAYAIG’s steadfast commitment to gender inclusivity in internet governance initiatives. Objectives: The program aims to create a network of young professionals advancing internet governance and digital rights in Africa. It encourages African youth, especially women, to engage in the Global Internet Governance (IGF) process, promotes National and Regional IGF initiatives (NRIs), and empowers youth in initiatives contributing to Africa’s digital transformation. Scheduled for 8 months from April to December 2023, the program includes activities such as an Online Internet Governance Fellowship, participation in African and Global IGFs, Community Engagement on topics like the Global Digital Compact (GDC), PAYAIG Dialogue on Cybersecurity and Emerging Technologies, and Lessons Learned sessions.

Website: https://www.payaig.africa

Target Beneficiary Groups: YOUTH, WOMN, UNEMP

WSIS Action Lines: 1, 2, 3, 4, 5, 8, 10, 11

SDGs: SDG4, SDG5, SDG8, SDG9, SDG10, SDG16, SDG17

Stakeholder Type: Civil Society

Country, Region: South Africa, Africa

Title: CHALLENGING TECHNOLOGY FROM AN ANCIENT BOLIVIAN CULTURE

Description: 99 students from three rural communities in Oruro, Bolivia participated in the revalorisation and cultural enhancement through artistic expressions, also developing soft skills and the use of technological tools. Young members of the Vilañeque community (belonging to the millenary Andean Uru Muratos culture) learned to: - create theatre plays collectively and be protagonists of an intercultural get-together; - to take photos/videos (home made) and edit them (with mid-range mobile phones) - to express their feelings and capture them through digital arts (video/photography), emphasising their culture,
language and customs. The theatre, as an unforgettable experience, showed their traditions and way of life. Parents passed on their ancestral knowledge. Recording the play was a success; it was possible to leave tangible material of this intervention to socialize and share. This audiovisual production will facilitate the dissemination of Bolivian cultural values belonging to this ancient pre-Aymara culture. The Intercultural Encounter facilitated interaction between three communities with different customs and cultures, achieving a change in the mentality of the young people. By learning more about other cultures, they valued their own and reconsidered the problem of discrimination. Having a different culture and language is a treasure and not an obstacle!

Website: https://redayni.org/2021/11/30/ganadores-del-desafio-mejor-fotografia-inedita/

Target Beneficiary Groups: INDG

WSIS Action Lines: 8

SDGs: SDG4, SDG8, SDG16

Stakeholder Type: Civil Society

Country, Region: Bolivia, Latin America and the Caribbean

Title: Center for Digitization and Documentation of Heritage and Arts Setif (CDDHAS)

Description: The Center for Digitization and Documentation of Heritage and Arts in Setif (CDDHA) is a project that aims to create a digital platform and a smartphone app that can preserve and promote the cultural heritage and arts of Setif in the metaverse. The project’s objectives are to document the heritage and arts of Setif digitally in the virtual world, to digitize them in two- and three-dimensional formats, and to obtain certificates of ownership in the virtual world with tradable crypto assets (NFT’s). The project’s results include a digital platform with a specialized search engine and a digital section to display the documented heritage and arts, a smartphone app with a similar functionality, and a web browser plugin (ai search assistant) that can access the platform and app. The project’s impact is to enhance the protection and conservation of the cultural heritage and arts of Setif, to increase the awareness and education of the users, and to foster the participation and empowerment of the local people and communities.

Website: https://dats.dz/CDDHAS
**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, RURL

**WSIS Action Lines:** 3, 4, GOV, BUS, LEA, ENV, SCI, 8, 9, 10, 11

**SDGs:** SDG4, SDG8, SDG9, SDG11, SDG12, SDG16, SDG17

**Stakeholder Type:** Civil Society

**Country, Region:** Algeria, Africa

---

**Title:** Tiramisu

**Description:** Tiramisu is a social network of kindness - a network that specifically focuses on health-positive activities like peer support and volunteering, and is designed to encourage close connection, real-world activities, and supportive exchange. The solution works both for local and digital connections with ample safety mechanisms. Clubs function as more intimate groups to discuss issues like climate anxiety or digital wellbeing, and as tools for community organizers (for example peer counseling groups) to coordinate and provide support. Over time, we strive to understand the wellbeing impact of various
digital activities and aim to build a recommendation system that helps users to make the healthiest activity choices. This will be supplemented by a reward system, giving companies the option to promote and reward healthy behaviour instead of launching ads. Our aim is to turn social networks from a potential amplifier of unhealthy behaviour into a preventive mental health tool that is more accessible to youth.

Website: https://tiramisuapp.com/

Target Beneficiary Groups: YOUTH

WSIS Action Lines: LEA, 8, 10, 11

SDGs: SDG3, SDG4, SDG10, SDG11, SDG17

Stakeholder Type: Private Sector

Country, Region: France, Western Europe and North America

Title: School of Hope and Empowerment (S.H.E.)

Description: A Tata Communications and The Better India initiative, S.H.E. was launched in 2020 as a digital community initiative which employs a multi-stakeholder inclusive approach and utilises tools such as social media targeting and online platformsto transcend the boundaries of geography and identify, inspire and educate underserved women in remote areas. The initiative rests on systemic thinking, partnerships, human-centric design and creative communication formats, for social impact. The mission is simple - create positive, affirming, collaborative and enabling digital environments with representation of women from marginalised social groups to help them establish themselves as local role models and entrepreneurs. In its first phase, the initiative identified and scripted the story of a local female entrepreneur – Hasrat Bano. Hasrat’s story was filmed and released in 6 parts over YouTube, targeted to women from her local region. The film championed her as a hero while ensuring relatability and accessibility of the content, truly becoming ‘the end user’s voice’ as opposed to ‘our narrative’. The content also offers a call-to-action at the end which takes the viewers to 6 modules on entrepreneurship education (accessible on a free-to-reach IVR). Pro-active efforts at reaching relevant audience through partnerships and social media targeting ensure that we don’t encumber the intended beneficiary with the responsibility of finding our content. Further, the content is created in
local language and hosted on multiple digital channels (including on a free-to-reach IVR for those without a smartphone). The result has been quick and enthusiastic uptake of the initiative. The first phase reached out to 1.12 million women, out of which 55,000 clicked on a call to action heading to an entrepreneurship education series (which they completed). A survey conducted three months after the initiative revealed that 30% of the women had already started a business of their choice while 70% were planning to do so.

**Website:** [https://www.thebetterindia.com/she/](https://www.thebetterindia.com/she/)

**Target Beneficiary Groups:** WOMN

**WSIS Action Lines:** 3, 4, 5, LEA, 8, 10

**SDGs:** SDG5, SDG8, SDG17

**Stakeholder Type:** Private Sector

**Country, Region:** India, Asia and Pacific

---

**Title: Mobility Mojo Inclusive Employment**

**Description:** There are more than 1 billion people 15% of the world’s population living with some form of disability. (WHO 2020). Research shows a diverse workforce is beneficial to the organisation, employees, and the wider community. To help companies promote inclusive employment opportunities for people with disabilities Mobility Mojo has developed a self-assessment tool that captures, tracks, and improves the accessibility of workplaces and office buildings globally. To carry out the walkthrough evaluation you simply need a smartphone and a measuring tape. Designed by internationally certified accessibility experts, the self-assessment tool aligns with industry regulations and international standards for the built environment such as ADA, ISO, EN and BSI. It provides organizations with the means to ensure compliance across mobility, sight, neurodiversity, and hearing needs, helping to mitigate legal risks, while demonstrating a genuine commitment to inclusivity. Based on 250+ accessibility criteria, an assessment usually takes 2-4 hours and covers various aspects of a building such as parking, entrances, wayfinding, signage, elevators, ramps, facilities, and restrooms. This ensures a thorough assessment of potential barriers and enables effective planning for improvements. Each building receives an accessibility rating showing the current
level of accessibility in their building, and a comprehensive personalised report identifying barriers and gaps and offering clear and actionable recommendations. Corporations with multiple offices across different regions also receive a global overview report, highlighting accessibility trends across their portfolio. Because this is a digital self-assessment tool, it is scalable, timely and cost-effective and can be used in any building anywhere in the world. Mobility Mojo is a certified disability owned business working with large international corporations around the world to create more diverse, inclusive and accessible workplaces.

Website: https://mobilitymojo1-my.sharepoint.com/personal/noelle_mobilitymojo_com/_layouts/15/onedrive.aspx?id=%2Fpersonal%2Fnoelle%5Fmobilitymojo%5Fcom%2FDocuments%2FMOJO%20POD%2FMobilityMojo%20Overview%2Emp4&parent=%2Fpersonal%2Fnoelle%5Fmobilitymojo%5Fcom%2FDocuments%2FMOJO%20POD

Target Beneficiary Groups: NULL

WSIS Action Lines: 1, 2, 8, 10

SDGs: SDG8, SDG10, SDG11, SDG16

Stakeholder Type: Private Sector

Country, Region: Ireland, Western Europe and North America

Title: Sichuan Dialect Speech Recognition - A Multimodal Database

Description: Projects’ Objective: The objective of this project is to establish an artificial intelligence language protection dictionary database, aimed at safeguarding and perpetuating Sichuan dialects and other minority languages, while also fostering the development of language diversity. Relevance to WSIS Action Line: This initiative is closely aligned with the Yuelu Declaration on the Protection and Promotion of World Linguistic Diversity and actively responds to the call of WSIS Action Lines. It is dedicated to promoting the innovation and the dissemination of language and culture through scientific and technological means, thereby aligning with the goals of WSIS Action Line C7 (Cultural Diversity and Dialogue). Results Achieved and Impact Generated: Up to now, the project has successfully established a language protection dictionary database, effectively utilized...
for recording, safeguarding, and passing on Sichuan dialect and other minority languages. This accomplishment has enriched language resources, promoted dialectal culture, and contributed to societal and cultural diversity. Relevance to Sustainable Development Goals: The project is closely linked to the Sustainable Development Goals (SDGs), in particular Goal4 (Quality education), Goal9 (Industry, innovation and infrastructure) and Goal17 (Partnerships). Dialect culture protection and inheritance promote inclusive, equitable education, stimulate innovation, technology, and cultural integration, and strengthen international cooperation. Ability of the Model to be Replicated: The project's model is highly replicable and applicable to conservation efforts in other regions and languages. Its AI-based methods and tools can be effectively disseminated and replicated, serving as a crucial reference for language preservation initiatives elsewhere. Sustainability of the Project: Project sustainability is ensured by Southwest Jiaotong University's long-term academic support and research base.

Website: http://www.chinatelecom.com.cn/

Target Beneficiary Groups: YOUTH, OLDP, WOMN

WSIS Action Lines: 8

SDGs: SDG4, SDG9, SDG10, SDG16

Stakeholder Type: Civil Society

Country, Region: China, Asia and Pacific

Title: Bebbo Parenting App - A Digital Innovation for Parents and Caregivers

Description: The Bebbo parenting app is an open-source mobile application that empowers parents of children aged 0-6. It provides evidence-based information and interactive tools to foster positive parenting practices, enhance understanding of child health and early learning, and offer ongoing support throughout the critical period of a child’s development, vaccination and beyond. UNICEF ECARO launched Bebbo towards the end of 2021. This free and innovative parenting app is currently live in 14 countries, available in 14 languages, and is being implemented in collaboration with national governments. Bebbo aims to tackle the issue of parents' limited access to reliable and
high-quality parenting resources in their local language. The app enables users to engage with content and utilize a range of tools to track their child's holistic development. It also provides insights on gender transformative care, positive mental health practices, and quality early childhood education and care. The Bebbo programming is designed, monitored, evaluated, and researched in consultation with parents to ensure its effectiveness. To ensure that parents in low-connectivity areas can access the information, the Bebbo app is designed to also work in offline mode.

The key objectives of Bebbo are:
- Empower parents with a high-quality select database of information on early childhood development and parental care that highlights the importance of play and communication activities.
- Disseminate targeted messages and information on the health, nutrition and vaccination for parents.
- Help parents minimize stress and anxiety for their children by providing valuable guidance for their development in early years.
- Equip parents with the knowledge and skills necessary to provide nurturing care for their children at home along with safe learning environment.
- Assist parents in monitoring their children's health and development through useful tools to ensure early identification of any concerns or issues that may arise.

Website: https://www.unicef.org/eca/Bebbo-parenting-app

Target Beneficiary Groups: YOUTH

WSIS Action Lines: LEA, HEA, 8

SDGs: SDG3, SDG4, SDG5

Stakeholder Type: International Organization

Country, Region: Switzerland, Western Europe and North America

Title: m-mama by Vodafone Foundation

Description: m-mama is an affordable emergency referral system that is connecting mothers and newborns to vital life-saving healthcare in rural areas of both Tanzania, Lesotho and soon to be Kenya. A huge obstacle for women in Sub-Saharan Africa is a lack of timely referrals and patient transport to get them to facilities that can provide quality care quickly in an emergency. m-mama is a referral system specifically created for pregnancy, labour, or newborn emergencies. It provides a charge-free number and a 24/7
call centre, connecting women with fast and safe transportation to high-quality healthcare facilities. The system creates a network of local community drivers to act as ‘taxi ambulances’, in areas where ambulances are rarely available. With detailed referral plans for every clinic and village, the system provides critical management of emergency transport and ultimately saves lives.

Website: https://www.vodafone.com/vodafone-foundation/focus-areas/m-mama

Target Beneficiary Groups: WOMN

WSIS Action Lines: 2, HEA, 8, 11

SDGs: SDG3, SDG5, SDG17

Stakeholder Type: Private Sector

Country, Region: United Kingdom, Western Europe and North America

Title: Low cost Accessible Learning Tool for School Children for Learning Disability (Audio Pustakam)

Description: “Audio textbook for Indian Regional languages are not available for low resource languages/Indigenous languages like Konkani. We wish to provide solutions for learning regional languages using intervention learning methods for Children with slow learners, Learning Disability, Autism. This way we wish to preserve regional language using Educational tools.” This device has been using since the last one-and-a-half years. It is observed that children are more attentive and take interest in their lessons whenever the device is played. Moreover, the pronunciation of the words is better as they can grasp it better from the audio, which is clear. Teacher/ Special Educators read the lessons with the students, while the lessons are transmitted simultaneously through the audio device. So, I am able to help the students wherever they have a doubt

Website: https://www.audiopustakam.com/

Target Beneficiary Groups: INDG, DISB, RURL

WSIS Action Lines: 3, 4, 8

SDGs: SDG4, SDG5, SDG16
Stakeholder Type: Civil Society
Country, Region: India, Asia and Pacific

**WSIS Action Line C9.**

**Media**

**Title:** Digital Resilience against Disinformation (DOMINOES)

**Description:** DOMINOES addresses the digital transformation that the news media ecosystem is undergoing. It supports the development of the digital capabilities of the higher education sector and contributes to innovation in higher education and vocational training. The overarching goal of the project is to reduce social polarization by combating fake news and online disinformation. To combat this phenomenon, the project has developed various Open Educational Resources (OER) and materials to increase social resilience, which prevents the distortion of public discourse and debate, undermines the credibility of institutions and disrupts the functioning of democratic processes. The main objective is to improve citizens’ ability to recognise and assess misinformation disseminated in online environments in order to respond appropriately. The DOMINOES project could make it possible to strengthen digital resilience to misinformation by improving some of the key competences defined in the Digital Competence Framework for Citizens. To this end, we offer a complete handbook, a MOOC and an open platform with 70 OERs containing numerous examples, case studies, lessons and best practises, simulations and a guide on what still needs to be done and what are the main challenges in the fight against disinformation. All these resources and materials have been disseminated through numerous open knowledge platforms (EPALE, Zenodo, Digital Skills & Jobs Platform) to amplify their impact, which has facilitated access and use for thousands of students, teachers and citizens around the world.

**Website:** https://ciberimaginario.es/project/dominoes/

**Target Beneficiary Groups:** YOUTH, WOMN, UNEMP

**WSIS Action Lines:** 9
**Title: Mindset IN (M in)**

**Description:** In our talk show « Mindset IN » diffused weekly on Algerian national television we discuss a current theme with Algerians youths to understand their mindsets better through their interventions ... in this number we choosed a frequent mindset nowadays, which concerns Internet users and more precisely which makes many youths suffer from social media problems and crimes, this is why we called it « Cybercriminality: Negativity of social network between criminalization and psychological problems» because our guests talked about the two sides of this social ill.

**Website:** https://youtu.be/-cjWwdAoNlsl?si=iGCPZ0oOX5dWZ_v

**Target Beneficiary Groups:** YOUTH

**WSIS Action Lines:** 9

**SDGs:** SDG16

**Stakeholder Type:** Government

**Country, Region:** Algeria, Africa

---

**Title: Podcast Talkshow Literat, Jujur dan Kreatif (Literate, Honest and Creative Talkshow Podcast) (Eljeka Podcast)**

**Description:** Project’s objectives : Eljeka Podcast conveys an educational message to society, clarifying and confirming various issues that are developing at that time, so people will get a valid understanding of the issue. In other hand, they are not wrong in taking a stance and are able to interpret and understand various problems. Results achieved: The results of the project are creating a conducive situation in society that is based on the
validity of information and knowledge from competent parties to explain it through the Eljeka podcast media. The certainty of the information and knowledge conveyed in the podcast makes people no longer doubt to use the information. Impact generated: The ease of choosing certain themes according to the information and knowledge of society needs, that is possible because the podcast media presents menus that can be played back. In the future these themes can also be developed according to the times.

Website: https://eljeka.min1kotamadiun.sch.id

Target Beneficiary Groups: YOUTH, OLDP, WOMN

WSIS Action Lines: 3, 4, 6, 8, 9, 10

SDGs: SDG4, SDG5, SDG8, SDG11, SDG16

Stakeholder Type: Academia

Country, Region: Indonesia, Asia and Pacific

Title: QMC Tabie (منصة تابع)

Description: QMC Tabie is a revolutionary TV application designed to deliver an immersive and personalized television experience to users, is a forward-thinking initiative focusing on showcasing series, television, and radio programs through a professional media platform. The primary objectives include highlighting both Arab and international series and films. QMC IT Department Objectives from this application: 1. Enhance user engagement through a user-friendly interface and personalized content recommendations. 2. We aim to highlight series and television and radio programs through a professional platform and support them with Arab and international series and films later. 3. Provide a seamless streaming experience with high-quality video playback. 4. Integrate advanced features such as interactive content, and social media sharing. 5. the platform aims to become a self-sustaining entity that contributes significantly to the financial stability of the organization. This goal underscores our commitment to not only showcase and support diverse series and programs but also to ensure the long-term viability and growth of Qatar Media Corporation through the creation of an independent income source. As we focus on delivering quality content and engaging experiences to our
audience, we are equally dedicated to building a sustainable financial foundation for the continued success of the QMC Tabie platform.

**Website:** qmc.qa

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 9

**SDGs:** SDG16

**Stakeholder Type:** Government

**Country, Region:** Qatar, Asia and Pacific

---

**Title:** SDGs EduPedia

**Description:** SDGs EduPedia is a permanent section on the Instagram News platform of MTsN 1 Tulungagung. This rubric is provided as a form of school concern in campaigning and providing literacy about SDGs (Sustainable Development Goals). Primarily, to school students who are also generation Z (GenZ) teenagers. The SDGs EduPedia project is designed with the aim of educational media and dissemination of knowledge related to SDGs. The expected result is GenZ teenagers will understand the SDGs. As a result, one day, they will be able to implement the SDGs points in their daily lives. The SDGs EduPedia rubric is on the Instagram News platform of MTsN 1 Tulungagung. Instagram News is digital news content packaged in one Instagram feed measuring 14.8 cm X 10.5 cm. Instagram News appears with a layout like a newspaper. It contained several news about school activities and school achievements. The presentation of the news narrative is packaged in journalistic language with a photo display. Simple, interesting and not complicated. Instagram News followers can just zoom in and read. Every publication, Instagram News always provides an SDGs EduPedia section. This rubric is permanent with a quarter-page space. In fact, if it is deemed important and interesting, it can be half a page. The content of the narrative varies. Starting from introducing SDGs points, SDGs practices in schools and other places in Indonesia. Initially, Instagram News was only shared for historical content. However, in its development, it was later published on the @gemamatsaneta Instagram channel. Instagram News is disseminated regularly every Saturday weekend. The Instagram platform was chosen as the basis for content creation.
and dissemination, because this social media is very familiar and widely used by the audience, especially GenZ youth.

**Website:** https://www.instagram.com/gemamatsaneta/

**Target Beneficiary Groups:** YOUTH

**WSIS Action Lines:** 9

**SDGs:** SDG3, SDG4, SDG5, SDG6, SDG7, SDG13, SDG14, SDG15, SDG16

**Stakeholder Type:** Academia

**Country, Region:** Indonesia, Asia and Pacific

---

**Title:** StopNCII - Preventing Non Consensual Intimate Image Abuse online

**Description:** StopNCII.org, operated by the Revenge Porn Helpline and part of SWGfL (a charity focused on online safety), is a global tool designed to combat Non-Consensual Intimate Image (NCII) abuse. Non Consensual Intimate Image Abuse disproportionately affects women and girls. StopNCII is the world's first device side hashing technology for victims of NCII abuse by preventing the unauthorized sharing of their intimate images online. This is achieved through an innovative image hashing technology that creates a unique hash or 'digital fingerprint' of an intimate image or video. StopNCII is unique and totally privacy preserving as the victim is never required to share their intimate image and creates the hash themselves on their own device. This hash is then shared with participating platforms, allowing those platforms to detect and prevent anyone posting of these images, while ensuring that the original content remains private and does not leave the user's device. Since its release in December 2021, the impact of StopNCII.org has been significant, protecting over 500,000 images and videos across 200,000 individuals. To date it has actively prevented over 10,000 instances where someone's intimate images were attempted to be posted online without consent. StopNCII restores power to those victims who are facing the significantly distressing situation of having their intimate images posted online. StopNCII currently works with Facebook, Instagram, TikTok, Bumble, Reddit, OnlyFans, PornHub, Threads and Snap to immediately prevent posting this content across their platforms. Alongside this StopNCII
maintains a network of 94 NGO’s across the world to further provide support to those victims. StopNCII.org exemplifies a collaborative approach to tackling the complex issue of online abuse and intimate image sharing.

**Website:** https://stopncii.org/

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 9

**SDGs:** SDG5

**Stakeholder Type:** Civil Society

**Country, Region:** United Kingdom, Western Europe and North America

---

**Title:** The Oral History of The Internet

**Description:** To celebrate the first 50 years of the Internet, CyberLabs has launched the Oral History of the Internet (OHI), recording and preserving the personal narratives of global Internet Pioneers’ extraordinary contribution to the internet development. By 2024, OHI should have interviewed 500 Internet Pioneers around the world. A 50-episode TV series, documentaries and books will be produced based on the video interviews. The OHI, which started first in China in 2007, has interviewed nearly 200 Internet Pioneers who mostly come from Asia, Europe and the United States. The OHI will also go to interview those from Africa, Mid-East and Oceania. The mission of OHI is “Recording the first 50 years of the internet so to embrace its next 50 years”. The OHI will thus build a virtual monument that is committed to documenting personal narratives from the Internet Pioneers who have made extraordinary contributions to the development of the internet around the world. OHI was launched by CyberLabs, a think tank devoted to recording and preserving the internet history, which has started the project first in China since 2007. As the internet is facilitating unprecedented, multi-faceted interactions around the world, OHI goes global by video recording oral testimonies from the worldwide Internet Pioneers about their extraordinary contributions to the development of the internet in their own countries or fields.

**Website:** http://cyberlabs.org/
**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 2, 3, 8, 9, 11

**SDGs:** SDG17

**Stakeholder Type:** Academia

**Country, Region:** China, Asia and Pacific

---

**Title:** Metaverse Conference

**Description:** The Metaverse Conference is a multi-scenario, highly interactive, and immersive virtual conference platform created by China Mobile (Zhejiang) Innovation Research Institute relying on China Mobile's powerful 5G network and integrating the advantages of Jiutian AI and rendering computing network. The goal of the project is to improve the video conferencing experience through the metaverse, meet the online activity needs of corporate merchants, and improve the efficiency of remote communication and collaboration among users. This project falls in the field of social media. As an innovative conference solution, Metaverse Conference has been widely used in many fields such as government affairs, education, exhibitions, etc., and has held 50+ conferences and empowered multiple projects. The Metaverse Conference is of great significance to developing countries and poor areas and is in line with WSIS values, which is to eliminate all forms of poverty on a global scale. First, it can address the digital divide. In these areas, people are unable to fully enjoy the convenience brought by digital technology due to insufficient network infrastructure and lack of equipment. Metaverse Conference uses virtual reality technology to enable participants to participate in meetings or activities without owning high-end equipment, thereby narrowing the digital divide and allowing more people to enjoy the convenience brought by digital technology. Secondly, the Metaverse Conference can solve the problem of remote collaboration. In developing countries and poor areas, remote collaboration often faces many difficulties due to remote geographical locations and inconvenient transportation. The Metaverse Conference uses virtual reality technology to enable participants to communicate and collaborate in real time in the virtual space, thus solving the problem of remote collaboration and improving work efficiency.
Website: https://www.ailab-zj.com/#/home

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

WSIS Action Lines: 9

SDGs: SDG1

Stakeholder Type: Civil Society

Country, Region: China, Asia and Pacific

Title: Somos OceanoS - We Are Oceans (SOS)

Description: Somos OceanoS (SOS) is an endorsed UN Ocean Decade Project that highlights the ecological, social and economic values of Marine Protected Areas (MPAs), and identifies the challenges faced by coastal communities, fisheries and ecosystems when adequate MPAs management is lacking. This involves producing and disseminating community-driven documentaries and media, alongside organizing environmental educational workshops and roundtables for the MPA community, from children to the elderly. The Somos OceanoS project demonstrates the importance of local knowledge to inform improved management of protected areas. It is an example of just-in-time science communication and how working directly with stakeholders can inspire local leadership and action. SOS is unique, innovative and replicable in different countries and regions: it allows local communities to voice their perspectives in spaces in which they may not usually be heard. For example, in Patagonia since the release of the documentary, several positive changes have taken place: the local waste collection scheme is being reviewed, and an independent investigation will take place on the local chemical factory operating in the MPA. Concurrently, in Mexico, community-led organizations are actively petitioning for the local authorities to conduct a thorough overhaul of the MPA's management strategies. This is to ensure the implementation of stringent prohibitions against hazardous and unlawful fishing practices. The approach of Somos OceanoS and its team of young and energetic professionals is to narrow the communication gap between specialists and non-specialists and emphasizes that managing natural resources should consider collective
knowledge, community engagement, and advocacy, rather than solely relying on top-down policies and regulations.

**Website:** https://sos.blue/

**Target Beneficiary Groups:** RURL

**WSIS Action Lines:** 1, 3, 8, 9, 11

**SDGs:** SDG14, SDG16

**Stakeholder Type:** Civil Society

**Country, Region:** Germany, Western Europe and North America

**Title:** Better Resilience, Effective Post-disaster communication, Coordination Mechanisms through Community Radio Stations

**Description:** In response to the 6.4 magnitude earthquake in western Nepal, ACORAB undertook a comprehensive initiative to enhance the resilience of affected community radios stations and local communities. The project, supported by UNESCO and later UNDP, aimed to establish better resilience, effective post-disaster communication, coordination mechanisms through community radio stations serving as a lifeline for affected areas. Results were diverse, with 6 radio stations receiving equipment support and infrastructure support aiding the recovery of 10 community radio stations. The initiative "Jeevan Rakshya," meaning "saving lives," broadcasted 30 daily-live episodes across ten community radio stations in earthquake-affected regions by selected one radio as the main content producer and earned recognition for addressing post-earthquake issues, boosting radio listenership, and featuring engaging content with 50 community guest speakers. It provided psychological counselling to 140 affected journalists and offered allowance packages to 10 radio journalists, ensuring their well-being and dedication to program production. Mentorship for 20 radio journalists emphasised accuracy, fairness, balance, and the avoidance of sensationalism, addressing common misinformation patterns related to earthquakes. The radio program facilitated communication pathways with communities and local authorities in 13 municipalities/rural municipalities, garnering 223 participations through phone calls and inquiries, reinforcing community coordination. The initiative empowered 14 journalists, contributing to disaster response strategies, safety,
preparedness, and accurate information dissemination. Serving as a platform for empowerment, support, and advocacy, it substantially enhanced resilience and preparedness for future disasters and underscored the robustness of community radios during the disaster, leaving a lasting impact on affected communities in Jajarkot and Rukum districts.

**Website:** https://www.acorab.org.np

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 1, 2, 4, 6, ENV, 8, 9, 10

**SDGs:** SDG1, SDG3, SDG5, SDG6, SDG10, SDG11, SDG13, SDG16, SDG17

**Stakeholder Type:** Civil Society

**Country, Region:** Nepal (Republic of), Asia and Pacific

---

**Title:** Media Oasis

**Description:** Media Oasis is a state-of-the-art haven for journalists. More than a traditional media centre, it is a space where journalists gather, stay updated on the latest developments, and work collaboratively to cover local and international events. ICT and advanced technologies play a critical role in leveraging the initiative. Media Oasis encompasses seven zones equipped with cutting-edge technologies supported by AI, uses the metaverse, VR and interactive models in its exhibitions, and offers journalist studios and spaces equipped with state-of-the-art technologies. The core objectives are multifaceted. The initiative seeks to enhance local relationships by facilitating meetings amid major national initiatives and projects at its headquarters. This strengthens ties with local media counterparts and contributes to a deeper understanding of Saudi’s internal dynamics. Media Oasis also hosts exhibitions, narrating the significant transformations unfolding across various sectors in Saudi. Simultaneously, Media Oasis capitalizes on international media presence for event coverage, addressing inquiries and providing insights through specialists representing the showcased initiatives. The project becomes a global communication hub by fostering international collaboration and understanding. It is dedicated to showcasing the dynamic transformations occurring in Saudi, actively participating in the media landscape, and contributing to the coverage of significant
projects and initiatives. Media Oasis targets transforming Saudi into a global media hub with a creative and non-traditional character. It promotes reliability and precision in summit media coverage, providing content-creating facilities and broadcasting studios to facilitate balanced media coverage from one centralised location. It serves as a state-of-the-art information hub, informing journalists and allowing the participation of Arab media on major projects. It encourages positive media coverage and promotes increased media interest.

**Website:** [https://media.gov.sa/en/MediaOasis](https://media.gov.sa/en/MediaOasis)

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 1, 3, GOV, 9

**SDGs:** SDG9, SDG16, SDG17

**Stakeholder Type:** Government

**Country, Region:** Saudi Arabia, Asia and Pacific

---

**Title:** Onewater

**Description:** Onewater is a social enterprise building a water-wise world. We break down knowledge barriers, bridge science-policy gaps, and foster global collaboration on water issues. Our mission is to help trigger water-positive policies and decision-making in harmony with nature, local communities, and the economy. We have produced, from scratch, over 300 articles, but thanks to several hundred volunteer translators, there are now more than 3000 versions of these articles available, at times in up to 15 different languages. We believe that building bridges across languages is absolutely fundamental, yet too often disregarded even within the international development community. Beneath you can see a few more numbers of our impact.

- **Storytelling and Content Creation:**
  - 300+ articles, podcasts and photo stories
  - 3000+ translations
  - 300+ videos, animations & 3 documentaries
  - 5 websites, 1 CMS
  - 400+ flyers, cards, illustrations
  - 11 books, reports & newspapers
  - 11,000+ copies distributed

- **Research and Analysis:**
  - 10 studies, 1 index
  - 260+ maps
  - 320+ charts
  - 100+ infographics

- **Engagement and Collaboration:**
  - 7 conferences supported onsite
  - 5 exhibitions convened
  - 6 photography and drawing contests with
  - 2000+ submissions
  - 20+ pub-quizzes, movie nights, roundtables
  - 1 mural
Website: https://onewater.blue/

Target Beneficiary Groups: YOUTH, WOMN, INDG, RURL

WSIS Action Lines: 3, 6, ENV, 9, 11

SDGs: SDG6, SDG13, SDG16, SDG17

Stakeholder Type: Civil Society

Country, Region: Germany, Western Europe and North America
Title: Building Media Professionalism for Road Safety through Constructive Journalism in Bangladesh (BNNRC)

Description: BNNRC has implemented Building Media Professionalism for Road Safety through Constructive Journalism in Bangladesh. The objective was to intensify media interest in and understanding of road safety as a critical health and development issue share the burden of road crashes in Bangladesh and report challenges with the journalists focusing safe system approach, informing and educating journalists on the importance of preventing road. Selected potential Journalists for training and fellowship for in-depth Road safety journalism. WHO ‘Global Status Report on Road Safety 2023’ mentioned road crashes are the leading cause of death for people aged 5-29 years worldwide. Road crashes still cause a large and increasing number of fatalities and severe injuries, particularly in developing countries. Sustained declining trends of road fatalities in developed countries have been attributed to concerted efforts effective coordination, community connection, well-researched road safety ingenuities, road safety good practices, and improved targeting of resources. For in-depth reporting and building the capacity for reporting doing advocacy and other interventions through using ICT and AI for data collection and analysis to draw the attention of the policymakers and find out challenges and ways forward for the achievement of SDG 3:6 and 11:2 for utilizing the media all domain.

Website: https://bnnrc.net/c-9-building-constructive-journalism-on-road-safety-for-media-professionals-using-digital-platforms/

Target Beneficiary Groups: NULL

WSIS Action Lines: 9

SDGs: SDG3, SDG9, SDG11, SDG16

Stakeholder Type: Civil Society

Country, Region: Bangladesh, Asia and Pacific

Title: Change the World!
Description: Baobabooks is launching their first ever Change the World Creative Challenge using the United Nations Sustainable Development Goals. We are partnering with a variety of companies (e.g. Patagonia), organizations (e.g. WISE/Qatar Foundation) and schools (e.g. School of Humanity) to engage and inspire young writers in this challenge to discover, learn and write about one (or more!) of the Sustainable Development Goals. Our solution focused on the SDGs has two components: (a) a Summer Creative Challenge which we launched 15 July and runs through 1 September, and (b) curriculum that provides writing prompts and rubrics for teachers focused on each of the 17 SDGs that can be used throughout the school year.

Website: https://baobabooks.com/challenge/summer-writing-challenge-2023/

Target Beneficiary Groups: YOUTH

WSIS Action Lines: 1, 4, 5, 6, 9, 11

SDGs: SDG1, SDG2, SDG3, SDG4, SDG5, SDG6, SDG7, SDG8, SDG9, SDG10, SDG11, SDG12, SDG13, SDG14, SDG15, SDG16, SDG17

Stakeholder Type: Private Sector

Country, Region: Switzerland, Western Europe and North America

Title: Upview - One-stop AI Solution for content creators to go viral consistently!

Description: Content creators often face growth inconsistency and burnout. Upview boosts growth and reduces time spent via AI features like automated thumbnails, gamified creation, customized video ideas, and strategic collaborations, ensuring stable income and success. Our Solution: We are the first solution to manage a creator’s entire journey, tailoring relevant AI-powered features to their unique needs: Customized features based on journey: Upview first understands the needs of the creator and then recommends its features. Educates creators to grow using rewards: Upview gamifies creators’ journey to explain what’s going on and make content creation - fun and exciting. Save time and cost using automation: Automates time and cost intensive tasks through automated thumbnails (proprietary tech) and SEO optimizations. We use AI to understand what creators need and educate them in their journey with the following tools: 1) Intelligent
collaboration suggestions: AI identifies high impact collaborations with potential to grow viewers by 3x to 6x. 2) Automated thumbnails: It takes 30 mins and $10/thumbnail. Users posting 4 videos/week save 360 mins and $120 every month. 3) Gamification for Education and Consistency: Milestones/rewards are tailored to users to foster skill, retention, and fun. 4) Customized video ideas for hyper growth: Saves ~12 hours/month of research by providing customized ideas and competitor insights.

**Website:** https://upview.ai/

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 3, 9

**SDGs:** SDG1, SDG5, SDG8, SDG9, SDG10

**Stakeholder Type:** Private Sector

**Country, Region:** United States of America, Western Europe and North America

---

**Title:** Powerful Easy Internet - Big Box plug & play Wi-Fi - Connecting '000s of people in even the toughest of scenarios

**Description:** Jangala’s Big Box Wi-Fi solution provides powerful, easy internet to marginalised and underserved people globally even in the most challenging contexts. Our
self-designed and self-developed easy-to-use Big Box technology system combines powerful performance with simplicity, offering a scalable solution to tackling worldwide digital divides. It is capable of connecting a few hundred users to up to 3,000 simultaneous users utilising 32 different sources of backhaul and even with limited power sources. Jangala’s priority is to meet the growing demand for internet connectivity globally with a ‘laser-focus’ on achieving the SDGs. We work in collaboration with a wide range of partners to empower local communities – from individual schools, healthcare clinics and small NGOs to major organisations like UNICEF and the International Organization for Migration (IOM). Big Box has already strengthened the means of implementation of over 70% of the SDGs globally by providing Wi-Fi to unconnected schools, clinics, static and mobile computer labs, refugee camps and disaster response projects connecting over 70,000 people across 36 countries. Big Box can be used in any context where Wi-Fi is challenging or non-existent including both emergency and protracted crises. For example, it was recently deployed by Serve On’s search and rescue team at the UN Reception/Departure Centre at Adana airport in Türkiye to help incoming disaster relief teams with their coordinating efforts. We are applying for the SDG Digital GameChangers Award 2023 as this year marks the very significant move from prototype to manufacture-ready Big Box Version 1 enabling mass production of Big Box. Our ambition is to help connect and empower millions of people with this technology in every country in the world. Winning this award would spread awareness of Big Box - a genuine game changer for the humanitarian sector, for INGOs, for education, healthcare and humanitarian disaster relief worldwide."

Website: https://www.janga.la/deployments

Target Beneficiary Groups: YOUTH, WOMN, UNEMP, POOR, RURL

WSIS Action Lines: 1, 2, 3, 4, 9

SDGs: SDG1

Stakeholder Type: Civil Society

Country, Region: United Kingdom, Western Europe and North America

Title: BeAware Initiative
**Description:** The #BeAware initiative is a video series launched across all Digital Dubai social channels to inform people across the globe on the various forms of scams which include phishing, vishing, smishing, tailgating, bank frauds, identity theft, hacks and much more. The #BeAware initiative represents a new approach to government communication with the community. The initiative features bold policies and creativity through crafted comedy videos to convey awareness messages. It marks a qualitative shift in government communication style, understanding the requirements of social media audiences, and breaking the rigidity of traditional media formats. 37 videos have been produced so far, and regular monitoring reports are analyzed for continuous improvement. Collaboration with partners through joint videos aimed to diversify topics and achieve broader reach. The initiative set a record with over 7.7 million views in the first 11 months of 2023, compared to 2.2 million in 2021.

**Website:** https://www.instagram.com/digitaldubai/

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN

**WSIS Action Lines:** 1, 3, 5, 9

**SDGs:** SDG3, SDG11

**Stakeholder Type:** Government

**Country, Region:** United Arab Emirates, Asia and Pacific

---

**Title:** SMIAfrica

**Description:** SMIAfrica (Smart Media Initiative Arabic) represents an innovative digital initiative aimed at transforming the African media landscape. Focused on journalism as a service, the project includes a collaborative digital press platform, an e-learning platform for skills enhancement, an incubation plan, and the promotion of public and private partnerships. Adopting online collaborative governance, SMIAfrica facilitates the
creation of monetizable media content and strengthens the skills of media players. The gradual deployment, starting in Morocco (through the structuring of 12 autonomous regional blocks that will establish certified distributed circuits) before expanding to Africa, uses the blockchain model to ensure transparency, transaction security, and combat misinformation. As a Software as a Service (SaaS) solution, SMIAfrica connects more than 100 businesses and content creators, acting as a bridge between them. The platform allows our 20 current clients to easily select relevant creators, also providing a mobile payment system. In summary, SMIAfrica aims to transform media collaboration, enhance digital inclusion, and promote innovation and transparency in Africa.

Website: https://www.smiafrica.ma/

Target Beneficiary Groups: YOUTH, WOMN, UNEMP, RURL

WSIS Action Lines: 1, 3, 4, BUS, LEA, 8, 9, 11

SDGs: SDG4, SDG8, SDG16, SDG17

Stakeholder Type: Private Sector

Country, Region: Morocco, Africa

Title: Jakarta Lawan Hoaks (Jalahoaks)

Description: Jakarta Lawan Hoaks (Jalahoaks) is a regional governmental fact-checking institution and has been striving to combat potential disinformation and misinformation about Covid-19 that started spreading sporadically in social media. It’s for certain that we can’t stop the torrent of information in this digital era, that is why we need to constantly monitor and actively participate. Demographic data in Indonesia shows that the
majority of social media users are aged 16-24, accounting for 64.4%. Concerns about the increasing distribution of information in various media have led Jalahoaks to direct young people obtaining healthy and positive information. In its implementation, Jalahoaks collaborates with Jakarta Regional Officials (OPDs), independent institutions, practitioners and the central government in implementing it to respond to developing issues. Jalahoaks responds as quickly as possible to the ongoing issues that has an urgency for social stability. For example, it provides a fast response to Covid, Rohingya refugees, chain of child kidnapping in Jakarta, electoral issues, etc. Not only undertaking fact clarification, Jalahoaks carries out digital literacy outreach by involving women, MSMEs, youth at schools, academics, and various regional officials in Jakarta. Last but not least, neutrality has been the core of Jalahoaks since the beginning. This way, Jalahoaks can provide dependable information on various issues in Jakarta without any hidden interest behind it. This is the main civic motive that leads to the growth of Jalahoaks as a fact-checking and digital literacy education media for the people of Jakarta.

Website: https://jalahoaks.jakarta.go.id/

Target Beneficiary Groups: YOUTH

WSIS Action Lines: 9

SDGs: SDG16

Stakeholder Type: Government

Country, Region: Indonesia, Asia and Pacific

Title: AramcoLens

Description: One of Aramco’s hidden treasures is its media archive, which contains images and films dating as far back as 1909. The images taken by employees in the early 1900s capture the rich history of not only Aramco and the Kingdom of Saudi Arabia, but also the entire region of the Middle East. The goal of this project is to develop an integrate intelligent media asset management system. We will digitize analogue media and enhance the metadata of the media by developing a computer vision models to identify objects in the images and a generative AI model to provide descriptive captions of the media. This is being developed on Google Cloud and uses a range of Google Cloud technologies,
including Cloud Vision AI, Cloud AI Platform, and Cloud Storage. The benefits of
digitizing and enhancing the Aramco media archive are many. It will make it easier for
archivists to manage and preserve the archive, and it will make the archive more accessible
to researchers and the public. It will also help to raise awareness of the rich history of
Aramco and Saudi Arabia, and it will provide a valuable resource for future generations.

**Website:** This project is going to be implemented within “Saudi Aramco’s Intranet Portal”. However, the solution can be replicated to other archives.

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 9

**SDGs:** SDG4

**Stakeholder Type:** Private Sector

**Country, Region:** Saudi Arabia, Asia and Pacific

---

**WSIS Action Line C10.**

Ethical Dimensions of the Information Society

**Title:** "Disability" Subsystem (TSERAS)

**Description:** Azerbaijan initiated an electronic disability assessment system employing specialized software known as the "Disability Subsystem" (TSERAS). This system enables the electronic assessment of citizens' disability status by the Medical and Social Expert Commissions (MSEC) through e-referrals from public health institutions, eliminating the need for in-person presence during the assessment. TSERAS was developed to address the challenges of a previous outdated and cumbersome disability assessment process. The system's primary purpose is to ensure the objective and transparent execution of the disability assessment process through electronic means, eliminating the necessity for direct interactions between officials and citizens. This electronic infrastructure is intricately integrated with various information systems and databases across different government bodies, guaranteeing the accuracy and validity of the information processed. The TSERAS subsystem has had a transformative effect on disability assessments in Azerbaijan. It has
improved accessibility and convenience for individuals with disabilities, ensuring a more efficient and fair evaluation of their disability status.

**Website:** https://sosial.gov.az/?hl=az

**Target Beneficiary Groups:** DISB

**WSIS Action Lines:** 1, 2, 3, 6, HEA, 8, 10

**SDGs:** SDG3, SDG10, SDG16

**Stakeholder Type:** Government

**Country, Region:** Azerbaijan, Eastern Europe

---

**Title: Odysseus AI**

**Description:** Odysseus AI is a metaverse platform that connects people from different backgrounds, cultures, and locations to learn, collaborate, and co-create solutions for the global challenges. It leverages the immersive and interactive features of the metaverse and the power of artificial intelligence to provide realistic and engaging experiences that foster empathy, creativity, and innovation. Odysseus AI enables users to access quality education, health care, and social services in the virtual world, as well as to participate in civic and democratic processes. It also promotes environmental awareness and action by showcasing the impacts of climate change and offering incentives for sustainable behaviors. Odysseus AI aims to empower people to become agents of change and to contribute to the achievement of the Sustainable Development Goals in their own communities and beyond. It also uses blockchain and web 3.0 technologies to ensure trust, transparency, and security of the data and transactions. Odysseus AI is more than just a metaverse platform. It is a journey of discovery, adventure, and transformation that can help people to shape their own destinies and to make a positive difference in the world.

**Website:** https://odyseus.ai

**Target Beneficiary Groups:** YOUTH, WOMN, INDG, UNEMP, POOR, RURL

**WSIS Action Lines:** 3, 4, 10

**SDGs:** SDG4, SDG8, SDG9, SDG10, SDG13, SDG16
Title: Remaja Penggerak Literasi TIK Madiun (The Youth ITC Empowerment Literacy Madiun) (Repelita)

**Description:** The Youth ICT Empowerment Literacy Madiun (Remaja Penggerak Literasi TIK Madiun) is a joint learning class program that targets junior high school level students, enabling youth to take part in good practices of producing positive content through journalistic activities on the internet, fighting hoaxes and strengthening digital literacy. The first joint activity between Openmadiun and SMPN 2 Madiun was held on 19-20 June 2019 at the Madiun City Library. With the training of training system, youth are expected to be able to transform ICT knowledge and educate the public, maintain a digital track record, minimize the negative impacts of ICT and prepare themselves for a demographic bonus. The joint learning class which is held every Friday afternoon after school consists of a content creator class and a citizen journalist class. It doesn't stop there. In the class The Youth ICT Empowerment literacy 2022, Openmadiun integrates citizen journalist issues with digital content production in the form of making news articles, infographics, videographics, news videos and news photos. From this class, they tried to compete in the East Java Citizens Journalist Award and won 1st and 2nd place in the infographic category, 2nd place in the videography category and the top 5 for making news articles.

**Website:** http://repelita.openmadiun.com

**Target Beneficiary Groups:** YOUTH, WOMN

**WSIS Action Lines:** 4, 5, 6, 8, 9, 10

**SDGs:** SDG3, SDG4, SDG5, SDG11, SDG13, SDG15

**Stakeholder Type:** Civil Society

**Country, Region:** Indonesia, Asia and Pacific
Title: **AI Ethics Principles**

**Description:** The AI Ethics Principles project under the Saudi Data & AI Authority (SDAIA) aims to develop ethical considerations and ensure their implementation throughout the AI systems lifecycle. The developed ethics will also apply to all stakeholders participating in designing, developing, deploying, or implementing AI systems within Saudi.

The objectives of the project include setting general guidelines which reinforce fairness, privacy and security, transparency and explainability, accountability and responsibility, reliability and safety, social and environmental benefits, and humanity within the AI field, thus aligning with global human rights and ethical standards.

Achievements include the establishment of a comprehensive framework to be adopted by various entities to ensure responsible AI implementation.

The impact is broad, fostering public trust, ensuring AI solutions contribute positively to societal and environmental aspects, and advancing Saudi Arabia's commitment to leading ethical AI governance on a global platform.

AI Ethics Principles not only safeguards individual rights, but also encourages AI's role in sustainable development, marking a significant step towards a future where technology and ethical responsibility coexist and thrive.


**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 1, 3, 5, 10, 11

**SDGs:** SDG4, SDG5, SDG8, SDG9, SDG10

**Stakeholder Type:** Government

**Country, Region:** Saudi Arabia, Asia and Pacific
Title: Digital Detox Guide

Description: The Digital Detox Guide aims to explain the meaning of this term and all the things that can make a Digital Detox, to warn of the possible consequences of excessive use of technologies and the Internet, and to promote best practices for users to adopt healthy digital habits, enhancing the benefits of technological tools and the Internet. In this regard, digitalization brings significant benefits to various sectors of our society, making them more efficient when implemented responsibly. Technologies are also part of our daily lives, but this big exhibition also brings risks and conveys new challenges that threaten our well-being in cyberspace, such as the adoption of bad habits in the use of these tools, especially when they are consumed excessively. Therefore, it is meaningful to inform users of the risks and consequences conveyed by excessive and irresponsible use of technologies, as well as recommendations for digital detoxification, which will allow them to make a more beneficial and conscious use of them.

Website: https://www.ift.org.mx/usuarios-y-audiencias/detox-digital

Target Beneficiary Groups: NULL

WSIS Action Lines: 5, 10

SDGs: SDG3, SDG16

Stakeholder Type: Government

Country, Region: Mexico, Latin America and the Caribbean
Title: Africa Community Internet Program (ACIP)

Description: The Africa Community Internet Program’s objectives are to digitalize the grassroots across remote and rural African communities, left behind by traditional methods for connecting the unconnected. ACIP empowers communities to embrace the digital age by providing community network access, education, and resources necessary to operate their own decentralized Internet services. ACIP aims to bridge digital divides and stimulate sustainable development. The ACIP White Paper 1.1 was shared with United Nations Economic Commission for Africa, African Union, African Telecommunications Union, UN-IGF, UNESCO, NGOs, and African governments, including Botswana, Cameroon, Ethiopia, Ghana, Nigeria, Tanzania, and Togo. ACIP organized several sessions at UN-IGF 2022 (Addis Ababa, Ethiopia) and 2023 (Kyoto, Japan), with UNECA and parliamentarians from interested nations participating. An ACIP Advisory Group, co-chaired by Dr. Gloria Somolekae, Executive Director, Botswana Institute for Development Policy Analysis; John Omo, Secretary General, African Telecommunications Union; and Dr. Mactar Seck, Chief of Section, UNECA, is being formed. ACIP’s impact has already transformed the lives of schoolchildren, teachers and residents of an underserved, rural community in Ghana by providing Internet connectivity at a local library. Our vision for 2024 is to empower communities across at least six African countries.

Website: https://agcip.org/

Target Beneficiary Groups: YOUTH, WOMN, POOR, RURL

WSIS Action Lines: 1, 3, LEA, 9, 10

SDGs: SDG4, SDG5, SDG10, SDG16

Stakeholder Type: International Organization

Country, Region: Ghana, Africa
Title: Promoting Cyber Hygiene and Mitigating Online Harms with Klik Dengan Bijak (KDB)

Description: The Malaysian Communications and Multimedia Commission (MCMC) champions cybersecurity awareness in Malaysia through its flagship "Klik Dengan Bijak" (KDB) or "Click Wisely" initiative. Established in 2012, KDB empowers children, youth, and adults with knowledge and tools to navigate the digital world safely. Its nationwide reach encompasses online and offline programs, educational talks, interactive booths, media campaigns, and community engagements. Leveraging insightful resources like videos, publications, and educational aids, KDB fosters responsible online behaviour and reinforces cyber hygiene practices. To amplify its impact, MCMC collaborates with diverse stakeholders – government agencies, universities, NGOs, and private entities – ensuring inclusive awareness across public and private sectors. By 2023, KDB has achieved 9,869,235 audience reach through offline and online programmes and activities. In 2023 alone, 554
programmes and activities were implemented nationwide which generated 466,504 audience reach. Furthermore, the overall understanding of KDB’s Internet safety messages averaged 84 percent. Two impact studies on the effectiveness of the initiative were conducted in 2021. The study by the International University of Malaya-Wales found that KDB had a positive impact, particularly on participants’ awareness, knowledge, and receptiveness. Meanwhile, the study by Universiti Putra Malaysia concluded that KDB was effective in creating awareness and sharing knowledge.

**Website:** https://klikdenganbijak.my

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, DISB, UNEMP, POOR, RURL

**WSIS Action Lines:** 10

**SDGs:** SDG4

**Stakeholder Type:** Government

**Country, Region:** Malaysia, Asia and Pacific

---

**Title: AI Ethics Code**

**Description:** The AI Ethics Code is a uniform system of guiding principles and rules designed to create an environment of trusted development of AI technologies. The Code is a tool that represents a soft law institution. The document has a nonbinding nature and adherence to the Code is voluntary. Adherence to the Code declares the AI developers’ responsible attitude to their technologies. Nowadays more than 340 Russian and 26 international participants of AI market joined the AI Ethics Code. All the members of the Code appoint officers on AI ethics who are responsible for the implementation of the Code. Among the officers on AI ethics the AI Ethics Commission is established. The objectives of the Commission’s activities are: - Implementation of the provisions of the Code and the organization of monitoring the effectiveness of its implementation in the activities of AI Actors - Interaction and exchange of experience on the ethics of artificial intelligence - Development of proposals on topical issues of artificial intelligence development related to ethical aspects Moreover, 5 working groups (WG) operate within the AI Ethics Commission on the following directions: 1) WG on Developing and Monitoring the Methodology of Risk Assessment and Humanitarian Impact of AI Systems
2) WG on Establishing a Set of Best Practices for Addressing Emerging Ethical Issues in the AI Lifecycle  
3) WG on Assessing the Effectiveness of the Code Implementation  
4) WG on Establishing a Body of Best Practices for Addressing Emerging Ethical Issues in the AI Life Cycle  
5) WG on AI Ethics in the Medical Field  

These working groups issue the Recommendations on the different ethical case growing from AI implementation. For example: the recommendation systems use; the "trolley problem", the creation and use of human digital twins, etc. 

We're going to expand the AI ethics principles on the global market and increase the number of foreign members to create an environment of trusted development and use of AI technologies.

**Website:** https://ethics.a-ai.ru/

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 10

**SDGs:** SDG16, SDG17

**Stakeholder Type:** Private Sector

**Country, Region:** Russian Federation, Eastern Europe

---

**Title:** The Elpis Organisation - Award-winning, youth-led STEM non-profit

**Description:** Dedicated to UN SDG 4 and 10, The Elpis Organisation is an international, youth-led STEM non profit that empowers youth from underprivileged communities through accessible & affordable STEM Education and digital literacy necessary in the digital age. Elpis has impacted over 2500 children in 7 countries through STEM workshops and audiobooks and raised $5000 worth of STEM resources. 

Our approach to grassroots-level impact is what sets us apart, as we ensure that we support every single child in their STEM journey by providing them with personalised opportunities and support. We supplement our grassroots-level work with multi stakeholder collaboration by joining forces with stakeholders such as local governments, community NGOs, and parents/guardians of underprivileged youth. Our first main grassroots initiative is the Gyaan Er Alo initiative, through which we have collaborated with 5 national NGOs in India to teach a customised STEM curriculum and digital literacy at rural schools in India.
second main grassroots initiative is the STEM Visuallistic Program, through which we have trained 50+ volunteers to create India's first youth-led STEM audiobook campaign for NCERT Curriculum. We have reached over 100 visually impaired beneficiaries through our audiobook database and are in the process of creating an AP curriculum database.

**Website:** https://elpisorganisation.wixsite.com/website

**Target Beneficiary Groups:** YOUTH, WOMN, DISB, REFG, RURL

**WSIS Action Lines:** 3, 4, LEA, 10

**SDGs:** SDG4, SDG10

**Stakeholder Type:** Civil Society

**Country, Region:** United States of America, Western Europe and North America

**Title:** Digital Democracy Empowerment Initiative

**Description:** In 2020, we proudly introduced YVoteNaija, a groundbreaking initiative centered on empowering young individuals and bolstering their active engagement in Nigeria's electoral process. Our primary objective is to foster greater citizen participation and bolster confidence in the democratic system. Through YVoteNaija, we have spearheaded a range of impactful policy reforms aimed at upholding the integrity of elections. In our relentless pursuit to combat the detrimental effects of misinformation during elections, we established FactCheckElections in January 2022 under the umbrella of Brain Builder Youth Development Initiative (BBYDI). This pioneering platform harnesses the power of research, data, and cutting-edge technological tools to scrutinize claims, refute false information, and ensure accurate reporting throughout the electoral cycle. Additionally, we unveiled EVIT (Election Violence Tracker) to effectively monitor and report incidents of election-related violence. By shining a spotlight on these acts, we strive to promote peaceful and inclusive societies, aligning with the vision set forth in SDG 16. Moreover, our commitment to forging partnerships and collaborations resonates with SDG 17, as we actively seek alliances with government entities, civil society organizations, and stakeholders to amplify our impact and work toward the shared goals of peace, justice, and sustainable development. Through our multifaceted endeavors, we aim to inspire positive change, strengthen institutions, and drive progress in Nigeria's electoral landscape,
all in alignment with the Sustainable Development Goals 16 and 17. Together, we can shape a future where democratic processes thrive, misinformation is debunked, violence is curbed, and citizens are empowered to actively shape their nation's destiny.

**Website:** https://factcheckelections.org/factcheck-elections-holds-training/

**Target Beneficiary Groups:** YOUTH, WOMN

**WSIS Action Lines:** 2, 3, 10

**SDGs:** SDG16, SDG17

**Stakeholder Type:** Private Sector

**Country, Region:** Nigeria, Africa

---

**Title:** Predictable - Augmentative Communication App

**Description:** Predictable is a multi-award winning text-to-speech app for people with conditions such as ALS/MND, autism, cerebral palsy, Down's syndrome, and more. It uses smart word prediction technology to make speaking and typing easier and more efficient. The app allows users to save frequently used phrases and offers 26 multilingual options. It also offers speech and voice options, accessibility features, customizable emojis, and a web platform for managing phrase banks. Additionally, it offers different keyboard options, a notepad for on-screen handwriting, and customizable appearance settings. Support is available through user guides, email, and tutorial videos. It lets you communicate no matter what physical disability you have and can be operated by a switch with just a finger tap, a puff of air, face movements, head tracking or via just eye tracking. It means that you can continue to communicate when progressive diseases result in deterioration of your physical function. The app lets you use your voice that you bank when you know you will lose it...it means that you can continue to say ""I love you"" or ""good morning my friends"" when your speech has gone. It helps with maintaining dignity, identity, community and relationships. The app has gone on to be used in main 10 languages with an additional 26 secondary languages, and is used around the world by people with both progressive and other communication related disabilities.

**Website:** https://therapy-box.co.uk/post/predictable-11-stories
Title: Promoting Connectivity for Refugees in Egypt

Description: In a proactive endeavor to ensure equitable internet access and SIM card availability for refugees, the National Telecom Regulatory Authority (NTRA) collaborated with UNHCR – Egypt. The aim was to reform the existing policy and persuade telecommunication operators to accept UNHCR cards as legitimate identification, enabling refugees to purchase SIM cards. UNHCR shared copies of various UN cards issued to refugees with NTRA. In turn, NTRA issued regulatory framework in October 2023, which facilitated the process of purchasing SIM cards for refugees and asylum seekers. It allows refugees and asylum seekers to utilize their UN cards for purchasing SIM cards. This was not possible before. Consequently, this framework will empower NTRA to gauge the number of refugees who have leveraged their UN cards to procure SIM cards, thereby quantifying the extent of access achieved. This regulatory framework would enable granting refugees and asylum seekers in Egypt unhindered access to connectivity and internet access through the use of their UNHCR cards.

Website: https://www.tra.gov.eg/en/

Target Beneficiary Groups: MIGR, REFG

WSIS Action Lines: 1, 3, 10, 11

SDGs: SDG1, SDG3, SDG4, SDG8, SDG10, SDG16, SDG17

Stakeholder Type: Government

Country, Region: Egypt, Africa
Title: Bright Sky by Vodafone Foundation

**Description:** Bright Sky helps people to spot the signs of domestic abuse and reduces the barriers for a survivor to reach specialist support. Through simple technology, survivors, friends, colleagues, and professionals are empowered through education and practical information to better understand what could be happening and the support that is available. With just a couple of clicks, users can find specialist help via a nationwide support directory. Seeing 60,000 journal entry submissions, 100,000 service directory uses, 400,000 guide views. Bright Sky is live across Europe, North America, Oceania and Africa. By using the app, we know anecdotally that survivors have reached help sooner than they would have done without. Through education and early intervention, there is a reduction in incidents experienced and less ongoing escalation of violent incidents. Long term, better education and prevention can lead to greater gender equality and there is no doubt that the reduction in domestic abuse cases reduces the cost and strain to health, social and criminal services.

**Website:** [https://uk.bright-sky.org/en/home](https://uk.bright-sky.org/en/home)

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 1, 2, 10

**SDGs:** SDG5, SDG16

**Stakeholder Type:** Private Sector

**Country, Region:** United Kingdom, Western Europe and North America

---

Title: AIS Aunjai Cyber: Cyber Immunity tools for Thais

**Description:** The solution aims to address the problem of cybercrimes and low digital literacy skills by implementing the Aunjai Cyber online course and various strategies. The objectives of the solution are to reduce cybercrimes and increase digital literacy skills among the population. The approach includes three main strategies: Strategic partnerships: AIS will collaborate with government and private sectors. The Aunjai Cyber Online Course will be integrated into basic orientation courses for employees, and a
condensed version will be developed for the elderly and general population. AIS will also partner with startup businesses to develop digital preventive tools for cybercrime detection and response. Incentive strategy: AIS will incentivize AIS customers to participate in the Aunjai Cyber course by offering rewards in the form of AIS Points, which can be redeemed as discounts or coupons for phone bills. This strategy aims to motivate customers to enhance their digital literacy and digital wisdom. Cyber Immunities strategy: AIS plans to embed Aunjai Cyber content in the Aor Sor Mor Application, a digital community app for officials and VHV. VHV will act as Teacher Agents to educate and communicate about cybercrime prevention and ICT misuse within their communities. Tools will be developed to assess individuals’ digital literacy skills during health check-ups. The goal is to create a hub where digital literacy skills increase and cybercrimes decrease within communities. To measure the impact of the solution, AIS, in collaboration with KMUTT and other experts, will launch the Thailand Cyber Wellness Index in 2023. This index will provide insights into the digital skills of the population, revealing that over 44.04% are currently vulnerable to cyber threats. Overall, the solution aims to enhance digital literacy skills, raise awareness about cybercrimes, and provide preventive tools to reduce cyber threats. It also emphasizes collaboration with various stakeholders and incentivizes individual

**Website:** https://sustainability.ais.co.th/en/sustainability-projects/aunjai-cyber

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** GOV, 8, 10

**SDGs:** SDG4, SDG9, SDG16

**Stakeholder Type:** Private Sector

**Country, Region:** Thailand, Asia and Pacific

---

**Title:** vivo’s Technology for All: Bridging the Accessibility Gap

**Description:** Based on the sustainable development vision of “Technology for a Better Future” by vivo, more than 10 accessibility features and products have been launched to meet the needs of relevant groups. Beginning with a humanistic mindset, vivo actively engages in public welfare actions, supporting over 600 impoverished people with disabilities in enhancing their digital literacy, information competency, and employment
skills and helping them achieve barrier-free development. In addition, vivo participates in the customization of multiple accessibility standards and promotes functional accessibility products for the public.

Website: https://accessibility.vivo.com/?from=CSR_HomePage

Target Beneficiary Groups: YOUTH, OLDP, DISB, POOR

WSIS Action Lines: 3, LEA, EMP, 8, 10

SDGs: SDG9, SDG10, SDG11, SDG17

Stakeholder Type: Private Sector

Country, Region: China, Asia and Pacific

Title: Digital Citizen Project

Description: "In order to solve digital side effects that are intensifying at the same time as digital technology develops, members of organizations among corporates, education, medical, and legal institutions for ‘One Team of Digital Citizen project’ would jointly declare the launch of the one team. To indicate and release the direction of the project to create a safe, secure and sustainable digital world” “KT developed a digital citizenship education content curriculum with major education offices such as Seoul City and Gyeonggi-do, and set the lower grades of elementary school as a priority target, and produced class lecture plans, worksheets for students, and educational video materials. In cooperation with offices of education, a model school was selected, and a teacher seminar was held to share the purpose and future direction of the project with school teachers at the site of the model school, and educational video content specialized for parents of these students was also developed and uploaded to YouTube. Among these digital education contents, the content that was used impressively by the instructors of digital citizenship education was the AI speaker. KT GiGA Genie AI speaker taught related terms to become a correct digital citizen, such as cyber violence and prevention of excessive immersion, and used them in class content for students. In the future, we plan to gradually expand it to upper elementary school students, and then to middle and high school students. Moreover, a diagnostic tool will also be used to measure how
much the students’ digital citizenship level has improved through the educational curriculum and content and what areas need improvement in the future."

**Website:** https://dcti.co.kr/dcti01.html

**Target Beneficiary Groups:** REFG

**WSIS Action Lines:** 1, 2, 3, 4, 5, 6, GOV, 9, 10

**SDGs:** SDG4

**Stakeholder Type:** Private Sector

**Country, Region:** Korea (Rep. of)

---

**Title:** Ghana Digital Empowerment Project

**Description:** Our emphasis on teacher skills enhancement aligns with the program's focus on improving the quality of education through effective teaching methods.  

1. **Gender Equality in Technology:** Our project seeks to bridge the gender gap in the technology sector by providing coding and programming training exclusively for young girls. We aim to empower them with the skills necessary to thrive in the digital era.  

2. **Teacher Skills**
Enhancement: We recognize the importance of skilled educators in promoting quality education. Our project includes specialized training programs for teachers, equipping them with the necessary tools and knowledge to effectively teach coding and programming subjects. 3. Digital Labs and Internet Access: We aim to provide students, particularly those from disadvantaged backgrounds, with access to digital labs equipped with internet connectivity. This will ensure that they have equal opportunities to learn and explore the vast resources available online. 4. Entrepreneurship Skills and E-commerce Platform: Our project also focuses on fostering entrepreneurship skills among students. We will provide training and support to aspiring young entrepreneurs, enabling them to develop essential skills and launch their ventures on our dedicated e-commerce platform. 

Goals and Objectives: 1. To support 1,560 students in gaining basic digital skills, use of the internet and 21st century skills from our digital labs in 6 regions in Ghana to improve their productivity and employment prospects. 2. Provide entrepreneurship training and mentorship for 200 aspiring entrepreneurs, helping them to grow their own business using digital marketing tools and personal coaching sessions to achieve economic independence. 3. Train 360 teachers on how to leverage the digital skills and internet to improve their teaching and support students to build ICT skills through in-school “tech clubs” 4. Provide a safe internet environment for 300 young children by increasing access to and awareness of safe online internet space

Website: [https://www.growghana.org/](https://www.growghana.org/)

Target Beneficiary Groups: YOUTH, WOMN, POOR

WSIS Action Lines: 1, 3, 4, 5, BUS, LEA, EMP, 8, 10

SDGs: SDG4, SDG8, SDG9

Stakeholder Type: Civil Society

Country, Region: Malawi, Africa

Title: **Mobile Heroes (Mobilni Heroji) (MH)**

Description: Mobile heroes is a flagship project of Ministry of Digital Transformation to tackle digital inclusion, aiming at equipping older people in Slovenia with basic digital skills. In partnership with civil society, we bring digital skills to remote rural areas in Slovenia
with special mobile units (vehicles) that operate as mobile classrooms and are equipped with computers, tablet computers and/or mobile phones. The workshops are free of charge for older participants and include topics such as online communication and the usage of digital services, mainly focusing on public digital services (digital identity, e-administration, e-health portal, e-banking, e-taxes, e-retirement portal, etc.). The main objectives are: 1) to raise the level of basic digital skills among the older population; 2) to engage older citizens to use public digital services and promote online safety, and (3) to raise awareness on the importance of digital technologies, together with benefits and challenges that digitalization brings to modern society. The project was kicked-off in 2022 as a pilot, continued in 2023 and 2024 on a full scale, as we increased locations and number of participants with additional mobile unit, enhanced financial support and invited additional stakeholders to join the free program. The two mobile units can operate at any season and location as they have access for disabled and heating/cooling mechanisms installed. The project emphasizes intergenerational cooperation and solidarity, social and digital inclusion, as well as empowerment of older people with lifelong learning approach.

Website: https://www.facebook.com/profile.php?id=100092374634750

Target Beneficiary Groups: OLDP, WOMN, UNEMP, POOR, RURL

WSIS Action Lines: 3, 5, GOV, LEA, HEA, 10

SDGs: SDG3, SDG4, SDG5, SDG10, SDG16

Stakeholder Type: Government

Country, Region: Slovenia, Eastern Europe
Title: Conectando Conhecimento

Description: Our organization plays a crucial role in digital ethics and social responsibility. The latest TIC Kids Online Brazil survey carried out by CGI reveals that the proportion of Internet users aged 9 to 17 years increased from 79% in 2015 to 89% in 2019. Instituto Peck de Cidadania Digital manages social investments, providing social transformation through projects. Working directly with educational institutions, Instituto Peck supports teachers and students; training with the purpose of enabling them to deal with the new challenges of Digital Society and the use of technological resources increasing. In partnership with Thales Solidarity, the project aims strengthen education in ethics and digital security for young people in socially vulnerable situations, and more broadly to raise awareness among families so that individuals can make informed choices and act effectively in favor of their Community. To this end, 4 short animated videos were produced with the help of Thales volunteers, and intended primarily for the school environment. They were disseminated first during face-to-face events and dedicated workshops in 4 partner establishments, then more widely within establishments registered
on the IPCD portal via webinars other face-to-face events as well as publications. The videos deals with the relationship of children and young people with technology, alerting them to responsible use of the internet and the behavior to adopt in the event of cyberbullying, in terms of image rights, disclosure of personal information and sharing inappropriate messages. The themes of the videos are: responsible use of the internet, respectful communication, safety in the interaction with other people, cyberbullying, image in the virtual environment, Fake news. The videos were disseminated to 1600 Students from 6 to 17 years old and teachers from 25 to 55 years old from the Fundamental I and Fundamental II cycles of Brazilian public and private schools, in Sao Paulo, Brazil. 30 000 people also received the video.

Website: http://escoladigalsegura.com.br/?page_id=499

Target Beneficiary Groups: NULL

WSIS Action Lines: 3, 5, LEA, 10

SDGs: SDG4, SDG5, SDG8, SDG9, SDG16

Stakeholder Type: Civil Society

Country, Region: Brazil, Latin America and the Caribbean

**Title:** Smartpur

**Description:** Smartpur, Nokia’s flagship CSR initiative, is a digital village ecosystem project aimed at integrating technology into the daily lives of communities living in remote villages across India. Smartpur is executed in partnership with Save the Children India and Digital Empowerment Foundation. The project intends to empower and support local entrepreneurs through digital technology. Entrepreneurs are provided with facilities to make services across the pillars of Livelihood, Health, Education, Financial Inclusion, and Governance accessible at the village level through Smartpur centers. Beneficiaries of the project leverage digital tools to access livelihood opportunities and skill-based training programs, telemedicine services, education in technology and computer literacy, financial services such as banking, and government schemes and services. The project was first implemented in 2017 with 10 Smartpur centers established in the state of Haryana. The number of centers has since grown to 350 in 2023, established in 10 states across India.
Between 2017 and 2022, 40 centers have been exited sustainably. These centers continue to provide the intended services to rural communities and generate a livelihood for the entrepreneurs. The project has created large-scale social impact – it reached over million beneficiaries. Between April 2022 and March 2023 alone, the project reached over 835,100 beneficiaries. Approximately 480,000 people were supported with access and awareness on social protection schemes and services; over 26,900 people sought digital literacy training, career counselling camps and academic support; more than 297,500 people accessed financial literacy services such as conducting digital financial transactions, opening and operating banks accounts, and financial literacy; over 17,500 received telemedicine services and attended health awareness camps, and over 9,600 people were linked with livelihood opportunities, received vocational training, and trained on life skills.

**Website:** https://smartpur.in/the-project/

**Target Beneficiary Groups:** RURL

**WSIS Action Lines:** 2, 3, 10

**SDGs:** SDG3, SDG8, SDG9, SDG17

**Stakeholder Type:** Private Sector

**Country, Region:** Finland, Western Europe and North America

**WSIS Action Line C11.**

**International and Regional Cooperation**
Title: ADRI Platform

Description: At ADRI, we proudly present our platform, a cornerstone in Arabic academic and research excellence. Our platform is home to the world’s largest database of Arabic research articles, featuring over 5 million entries. This extensive collection is a vital resource for scholars and researchers seeking comprehensive knowledge in various fields. We take pride in our meticulously curated selection of ranked journals. These journals are rigorously vetted, ensuring the inclusion of only high-quality, peer-reviewed research. This commitment to excellence makes our platform a trusted source of authoritative information in the Arabic academic world. In organizing this wealth of knowledge, we employ the Dewey Decimal Classification (DDC) system with two layers of categorization. This structured approach enhances the user experience, enabling efficient and targeted searches across a wide array of subjects. Our commitment to academic integrity is embodied in our sophisticated plagiarism checker. This tool is uniquely designed to detect not only conventional plagiarism but also content generated by AI or translated from other languages. It’s a testament to our dedication to maintaining high standards of originality and ethical research practices. Additionally, our ADRI bot is a revolutionary feature. It’s an intelligent chatbot that answers queries by drawing from our extensive journal repository. The ADRI bot not only provides accurate responses but also cites the sources, ensuring transparency and reliability. In summary, our platform is more than just a database; it’s a dynamic ecosystem supporting and enhancing Arabic academic and research pursuits.

Website: https://platform.adri.nz

Target Beneficiary Groups: YOUTH

WSIS Action Lines: 1, 2, 3, BUS, LEA, 11

SDGs: SDG4, SDG8, SDG10

Stakeholder Type: Private Sector

Country, Region: New Zealand, Western Europe and North America

Title: University Diploma in Internet Governance and Regulations
**Description:** The "University Diploma on Internet Governance and Regulations" is a project created by the South School on Internet Governance (SSIG) in partnership with the University of Mendoza (from Argentina) and the State University of Paraíba (Brazil). This University diploma focused on Internet Governance and its regulations is granted at no cost to SSIG fellows. SSIG has established three different academic stages that students must approve: 1- A pre-training course, available online in three languages (english, spanish, portuguese) of eight weeks. 2- An intensive hybrid format training of 40 hs (five complete days) organized in different countries of the Americas. 2023 edition was organized in the city of Campina Grande, Paraíba State, Brazil. 3- A research phase with tutors and guidance from the University of Mendoza (Argentina) and the Universidad State University of Paraíba (Brazil). This stage is done virtually. The whole program is completed in six month, successful students recieve the University Diploma granted by these universities, as part of the SSIG academic project. There are remarkable feautures of this University Diploma: - All activities can be done virtually - All activities and materials are available in : english, spanish and portuguese. - The second hybrid phase of one full week of 40 hs of training allows the face to face interaction of fellows that participate in the selected venue. - All activities have NO cost for fellows who attend all classes, complete sucessfully the evaluations and do the final research. This Diploma has been offered since 2022, since then two cohorts have finished the research and recieved the diploma. So far 70 fellows have completed the research and recieved the diploma from: Argentina, Bolivia, Brazil, México, Kenya, Italy, Panamá, Colombia, Uruguay, Perú, Paraguay and Venezuela. All stages of the capacity building including the research phase to obtain the "University Diploma on Internet Governance and Regulations" can be done virtually.

**Website:** https://gobernanzainternet.org/

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, RURL

**WSIS Action Lines:** 1, 2, 3, 4, 5, 6, BUS, LEA, ENV, SCI, 8, 10, 11

**SDGs:** SDG4, SDG5, SDG8, SDG9, SDG17

**Stakeholder Type:** Academia

**Country, Region:** Argentina, Latin America and the Caribbean
Title: Plastics Innovation and Circularity Challenge

Description: "The Challenge is an annual event, born in 2021/22, which invites innovators and entrepreneurs working with plastics to enter their projects and enterprises into a challenge designed to address problem plastics in the environment. In the first iteration, it was run in collaboration with UK-South Africa Tech Hub, a project of the UK Government, and the primary revenue sponsor; the V&A Waterfront, a sponsor of SOLVE@Waterfront; and OceanHub Africa, an accelerator for ocean-minded businesses based at the V&A. The objective is to encourage and support promising enterprises which bring ingenuity, creativity & innovative flair to making a positive impact in reducing plastic waste. There is investment capital for the winner and the runner-up; and we raise the profile of the short-listed candidates - in so doing, naturally, we seek to raise awareness about the challenge of problem plastics, and the ways in which each of us can become part of the solution. In terms of raising the enterprises' profile, for instance, we partner with OHA on a platform off which the short-listed entrants can pitch their solutions to a wide & targeted group of investors and collaborators; we enlist as judges the leading thinkers and influencers in the plastics space; and we leverage our relationship with the V&A to achieve media coverage, primarily in print, radio and social media. Our approach is pragmatic. Entrants are
encouraged to bring a systems approach and embrace the principles of circularity; pragmatically, however, problem plastics continue to exist in our environment, so we do not adopt a purist approach and demand circular design. Instead, we accept repurposing/upcycling as valid approaches, while the world continues to work on achieving authentic circularity.

**Website:** https://www.waterfront.co.za/

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

**WSIS Action Lines:** 11

**SDGs:** SDG9, SDG12

**Stakeholder Type:** Civil Society

**Country, Region:** South Africa, Africa

**Title:** FAO Hand-in-Hand (HIH) Geospatial Platform (GP)

**Description:** FAO and its partners are involved since many years in the development and implementation of digital inclusion initiatives and the scaling up of innovative digital technologies for development and targeted interventions worldwide to answer urgent threats to our people and planet. Among those are the negative effects of climate change and environmental challenges. Bringing solutions closer to the needs of poor households but also the widest array of stakeholders possible - including digital agriculture experts, economists, government and non-government agencies - involved in the food and agriculture and related sectors is a direct contribution from FAO to poverty reduction and food security. It leads the path towards UN SDGs achievement, also respecting environmental standards. In that perspective, geospatial information – especially aerial and satellite images captured remotely by sensors – is increasingly used to monitor natural resources and risk areas. From pest management without the overuse of pesticides to reducing the effects of locust swarms, data and technology have become essential enabling tools for the efficient and sustainable use of our Earth’s natural resources. The responsible collection, use, and integration of different kinds of data from diverse domains unlocks a world of information that can be applied to sustainable development
interventions, early warning systems and natural resource management. FAO Hand-in-Hand Geospatial Platform is a digital public good that helps analyze and compare data on food and agriculture, so that interventions can be more targeted to reduce poverty, hunger, increase economic development while holistically respecting our environment. The platform unlocks over 2 million of data layers from different domains and sources to serve as key enabling tool for FAO’s HiH Initiative. In May 2022, the platform was recognized as the best collaborative platform towards data-driven agriculture, winning the World Excellence Award at the Geospatial World Forum 2022.

Website: https://www.fao.org/hih-geospatial-platform/en

Target Beneficiary Groups: POOR

WSIS Action Lines: AGR, 11

SDGs: SDG1, SDG2

Stakeholder Type: International Organization

Country, Region: Italy, Western Europe and North America

Title: Climate Change Technology Accelerator (CCTA)

Description: "The Climate Tech Accelerator (CCTA) was successfully conducted three times, supporting climate-focused startups in scaling up their impact and developing strategies aligned with the SDGs. Through mentorship, curriculum, and networking opportunities, the ventures were able to strengthen their market presence, gain access to partnerships, and increase their investment absorption capacity. The program's geographical coverage included participants from 10 countries mentioned below, contributing to a diverse and impactful cohort of ventures. The program followed a comprehensive approach to support participating ventures. It included three tracks: Business, Technology, and Impact. The program provided weekly sessions, one-on-one meetings with field and impact experts, pitch deck trainings, access to resources through the ISTC (Innovation Solutions and Technology Center) and FI (Founders Institute), and participation in roadshows, exhibitions, and a demo day/graduation day. The program also included mentorship, progress checks, and various events and workshops tailored to the specific needs of the ventures. The participating startups went through the full acceleration program and developed their
SDG-related strategies, establishing a solid foundation for the sustainable side of their ventures. The program helped the ventures expand their networks, gain exposure to local and international markets, and leverage resources provided by UNDP (United Nations Development Programme), ISTC, and EIF (Enterprise Incubator Foundation). The ventures aimed to make an impact across multiple SDGs, including SDG 2 (Zero Hunger), SDG 13 (Climate Action), SDG 15 (Life on Land), SDG 9 (Industry, Innovation, and Infrastructure), and others.

Website: https://www.facebook.com/ccta.am

Target Beneficiary Groups: YOUTH

WSIS Action Lines: 1, 4, LEA, 11

SDGs: SDG2, SDG9, SDG13, SDG15

Stakeholder Type: Private Sector

Country, Region: Armenia, Eastern Europe
Title: UAE Ministry of Finance FATCA/CRS Automatic Exchange of Information System (FATCA/CRS System)

Description: ● Support RAs) with streamlined processes for implementation of FATCA/CRS ● Reduce "cost of doing business" for Reporting Financial Institutions (RFIs) ● Enable MoF to exchange the information accurately with international competent authorities and submit to OECD / IRS in line with requirements within deadlines ● Enable MoF to manage error notifications and corrections automatically Government objectives ● Position UAE as a 5-star rated participant in CRS/FATCA ● Actively engage with other jurisdictions to establish agreements for the automatic exchange of financial account information ● Establish robust mechanisms for monitoring / enforcing compliance with FATCA/CRS obligations ● Implement data security measures and ensure compliance with privacy regulations and safeguard sensitive financial data ● Demonstrate commitment to international tax standards and cooperation Results achieved: The system received account level information from 1,000+ financial institutions in the country for more than 1,000,000 accounts which enabled RAs to review the entity registrations, risk assessments and data received through the system. All the RFIs registered on the system are required to complete a mandatory risk assessment questionnaire which helps the system calculate risk ratings, which can be leveraged by the RAs for the selecting RFIs for audit. The system packaged files and exchanged to 79 countries for CRS, and the US for FATCA for the reporting period CY2022. Impact generated: ● Increased Tax Transparency in financial transactions and prevent tax evasion by individuals / entities ● Foster international collaboration with over 79 jurisdictions in the successful exchange of financial data ● Improved compliance with tax regulations ● Confidentiality / security of the exchanged financial information is preserved in line with the OECD and IRS XML schema ● Enhanced capabilities of MoF and RAs to effectively implement FATCA/CRS ● Enhanced UAE’s reputation as a responsible member of the OECD Global Forum and the IRS


Target Beneficiary Groups: NULL

WSIS Action Lines: 1, 3, 11

SDGs: SDG8, SDG10, SDG17
**Title: Female Sci-Tech Talent Capacity Building Center**

**Description:** First initiated by the Beijing International Exchange Association (BIEA), joined by members from Brazil, Canada, Croatia, and Portugal, the Female Sci-Tech Talent Capacity Building Center is a global capacity-building platform to empower worldwide female sci-tech talents to build a successful career in the science and technology industry. With the support of the existing International Council for Women in Sci-Tech and the core of three capacities-building courses (i.e., Career Building Capacity; Entrepreneurship Capacity; Science Literacy Capacity) published in 2022, the Center is continually improving its brand of the annual Female Sci-tech Talent Capacity Building Seminar and holding various featured events, including different kinds of salons, workshops, showcases, lectures. It reports each year to establish the Female Sci-tech Talents Collaboration Network. For a long-term plan, It aims to create a high-level female technology talent team of no less than 1000 from all over the world within the next couple of years.

**Website:** https://www.scitechwomen.com/

**Target Beneficiary Groups:** WOMN

**WSIS Action Lines:** 1, 3, 4, LEA, EMP, 11

**SDGs:** SDG4, SDG5, SDG8, SDG9, SDG10, SDG16

**Stakeholder Type:** Civil Society

**Country, Region:** China, Asia and Pacific

---

**Title: Generative Artificial Intelligence Accelerator (GAIA)**

**Description:** The GAIA initiative, with its $30 million partnership and commitment to fostering AI innovation, is poised to lead the Middle East & North Africa (MENA) region in advancing the AI landscape. Through the Generative AI Accelerator program, the initiative
Aims to support 90,000 AI builders, create 300 new AI companies, and nurture 600 AI entrepreneurs within 36 months. With a focus on education, funding, mentorship, and technology access, GAIA seeks to transform unique AI solutions into market-ready products, elevating the Kingdom of Saudi Arabia’s position in the global AI sphere. This initiative is operated by New Native and empowered by SDAIA (Saudi Data and Artificial Intelligence Authority), and NTDP (National Technology Development Program) to build an AI economy in Saudi Arabia.

**Website:** [https://gaia.newnative.ai/](https://gaia.newnative.ai/)

**Target Beneficiary Groups:** NULL

**WSIS Action Lines:** 1, 2, 3, 4, 6, GOV, BUS, LEA, HEA, EMP, ENV, AGR, SCI, 8, 11

**SDGs:** SDG4, SDG8, SDG9, SDG10

**Stakeholder Type:** Government

**Country, Region:** Saudi Arabia, Asia and Pacific

---

**Title:** Empowering Island Communities: The Sacol Island’s Journey to Becoming a Smart Island

**Description:** The Smart Island Project, led by the Department of Information and Communications Technology (DICT) and its 27 partners, revolutionizes Sacol Island, Zamboanga City. Previously hindered by digital isolation, the island lacked internet access and digital literacy, impeding its growth. The initiative changed the narrative, igniting a transformational journey. Sacol Island faced profound challenges before the project—no internet connectivity, limited educational resources, and barriers to healthcare and education. Accessible only via jungkung, its remoteness compounded its struggles. However, since the project’s inception, Sacol Island has undergone a remarkable transformation. Reliable internet, ICT resources, and digital literacy initiatives flourished. Telemedicine services advanced healthcare accessibility, while an online video call with President Ferdinand Marcos, Jr., symbolized newfound connectivity. Since 2022, over 20,000 residents across four barangays benefited from seven (7) free WiFi sites, ushering in a digital renaissance. Through collaboration, Sacol Island thrives digitally, promoting education, economic vitality, and healthcare excellence. The Smart Island Project
epitomizes ICT’s transformative potential, driving inclusive progress and prosperity for marginalized communities.

**Website:** https://www.facebook.com/DICT.RO9BASULTA

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, INDG, POOR, RURL

**WSIS Action Lines:** 1, 2, 11

**SDGs:** SDG3, SDG4, SDG9, SDG10, SDG11, SDG17

**Stakeholder Type:** Government

**Country, Region:** Philippines, Asia and Pacific

---

**Title: Public Warning System (PWS)**

**Description:** Public Warning System hereinafter referred to as "PWS" is a mission critical modular and scalable multi-channel and multi-technology mass notification and reporting platform designed and architect by the General directorate of Telecommunications and Information System Department. Make a nationally consistent alerting capability available to all Government agencies issuing presidential, critical and warning public alerts. Allow the public appropriate time to take action in emergencies by reducing the time to deliver alerts, increased the public confidence in the Government with regards to meeting reasonable expectations. Multi-Channel Communication; such as alerts, sirens, loudspeakers, location based text and flash messages, satellite speakers, satellite alerts, radio, television, social media, and mobile apps allows to reach entire country audience including (inbound and outbound roamers). PWS allows to -> identify emergency (threat detection) -> evaluation and decision -> Warning processing -> public notification -> public decision -> and Public action. WEA3 compliance system with Predictive Analysis based on recent modern technologies (the most advanced modeling capabilities) to forecast evacuation times and conditions. CMAS technology Improve the speed of public alerting by enabling government agencies to issue and achieve delivery of an alert to the entire country within 5-10 minutes. Whereas LB-SMS will provide capability to send 1000’s of text and flash messages in seconds. Moreover, satellite integration will overcome the entire residual risk during emergency. PWS facilitate the support of multi-lingual
Title: Transforming lives and livelihoods in the Marshall Islands with a satellite-based connectivity solution

Description: Operating the largest and most trusted integrated satellite and terrestrial network in the world, Intelsat develops innovative communications solutions delivering reliable connectivity anywhere, at any time. Intelsat has long been working on bridging the digital divide, investing in the development of lasting and sustainable communications infrastructure that ensures connectivity access to underserved or unserved populations. Located in the Pacific Ocean midway between Hawaii and Australia, the Marshall Islands are isolated and scarcely populated, making it a real challenge to deliver the basic connectivity that inhabitants require to thrive in a modern and digitized world. As a longtime partner to the Marshall Islands National Telecommunications Authority (NTA), and having worked alongside the country’s ministers of health and education for more than 20 years, Intelsat had a deep knowledge of the requirements and challenges, associated with building a network in the region. Intelsat developed a multi-phase approach that allowed to initially build a 2G network and established basic voice communications across the outer islands. 5,000 people got access to a telephone for the first time. A VSAT network was then deployed to 112 locations to deliver connectivity to communities, schools and clinics in the most remote islands. Despite the challenges caused by the Covid-19 pandemic, Intelsat and NTA successfully deployed the 2G network, followed by the VSAT network – a deployment that could not have happened without the
commitment of the local population since all borders were closed. This connectivity project has already transformed the lives of islands citizens and will enable to stimulate the local economy and improve the quality of life of citizens who will no longer be cut off from the rest of the world.

**Website:**
https://www.dropbox.com/s/4peyqw9mfoghnp2/Satellite%20Internet%20Evros%202027%20March%202023.mp4?dl=0

**Target Beneficiary Groups:** RURL

**WSIS Action Lines:** 2, 3, 11

**SDGs:** SDG3, SDG4, SDG5, SDG8, SDG10

**Stakeholder Type:** Private Sector

**Country, Region:** Greece, Western Europe and North America

---

**Title:** Intelligent and Seamless Detection of Health of Concrete Materials Using Two-Port Microwave CSRR Sensor

**Description:** "Concrete is the second most used substance in the world after water. We use it in wide ranging areas of our lives and livelihoods. While a lot of studies and interventions pertaining to the harmful effects of carbon emissions on human and biological lives regarding, few, if any, have considered the effects such emissions pose to concrete structures that we rely on for shelter, transportation and other important areas of our lives. Within the field of structural engineering, there are many types and causes of concrete deterioration. However, the impact of carbonation leading to embedded weakening the concrete is sparingly investigated. Our project employs study a microwave sensor combined with artificially intelligent units to design an intelligent system for real time, invasive detection of carbonation attacks on concrete structures with the aim of providing necessary information for timely interventions to mitigate the potential impacts of concrete failure."

**Website:** https://www.timeshighereducation.com/hub/p/embedding-sustainability-curriculum-prince-sattam-bin-abdulaziz-university
Title: Trust Valley

Description: Trust Valley is a neutral Swiss-based public-private partnership dedicated to cybersecurity and digital trust. Our mission is to ensure safe and sustainable digital growth, facilitate innovation and talents in the industry through collaboration and partnerships between 50+ academic, private and public stakeholders. Trust Valley aims at bringing together startups, SMEs and corporates on projects that will shape the future of digital trust. Swiss and international captains of industry have joined forces to build this centre of excellence and encourage the emergence of innovative projects, such as the Tech4Trust start-up acceleration programme and the Trust4SMEs support programme for SMEs.

Website: https://trustvalley.swiss/en/

Target Beneficiary Groups: NULL

WSIS Action Lines: 11

SDGs: SDG1

Stakeholder Type: Private Sector

Country, Region: Switzerland, Western Europe and North America

Title: Smart Africa Digital Academy for Youth and Entrepreneurs (SADA for Youth and Entrepreneurs)
Description: The Smart Africa Alliance is a multilateral institution comprising 39 African member states. Smart Africa embodies a bold and innovative commitment from African Heads of State and Government to accelerate sustainable socio-economic development on the continent. Its goal is to harmonize and transition Africa into a knowledge economy by ensuring affordable access to broadband and promoting the usage of Information and Communications Technologies (ICT). In this regard, the Smart Africa Digital Academy has been established since 2020 as the driving arm of the Smart Africa Alliance capacity building and skills development activities. It is a Pan-African dynamic learning environment in which African citizens of all ages can gain or improve their digital skills, gain qualifications, and meet the emerging talent needs of employers. The need for this transformative initiative arises from the growing challenge of sustainable employment opportunities in Africa. The governments of Smart Africa Member States have prioritized education and skills development strategies to cultivate a future-ready workforce. The Smart Africa Digital Academy has an urgent need to train 12 million Youth and Entrepreneurs, to meet demand signals from member states. The Smart Africa Digital Academy has five target groups, namely: Policy and Decision Makers, digital experts, youth and entrepreneurs, students and teachers and general digital consumers. The goal of the SADA for youth and Entrepreneurs program is to create the enabling environment for our youth to thrive within the digital technology ecosystem of Africa. This will be achieved by providing capacity building on general digital skills, competency based digital technology skills, entrepreneurial skills towards the creation of opportunities for youth employment and sustainable jobs. To date, SADA for Youth and entrepreneurs have empowered more than 2000 youth in advanced ICT related programs from at least 10 African Countries.

Website: https://entrepreneurship.ieee.org/2022_teams_tunisia_workshop/

Target Beneficiary Groups: YOUTH

WSIS Action Lines: 3, GOV, BUS, LEA, EMP, 10, 11

SDGs: SDG4

Stakeholder Type: International Organization

Country, Region: Rwanda, Africa
Title: BEVOL Platform

Description: Bevol is an independent global social media platform that strives to spread the culture of volunteering and enhance social responsibility. Through the adoption of motivational means it also strives to consolidate noble human values and achieve peace and development in all human societies. Non-profit organizations can announce through their Bevol account about the volunteering missions they need to implement their projects, whether these tasks are remotely or in person. Bevol Platform provides each volunteer with their own personal account through which they can publish news and articles related to voluntary work. It also gives them the opportunity to search for voluntary work tailored around their areas of interests and based on several different filtering criteria. When volunteers perform any voluntary task, they have the opportunity of accumulating points on their international volunteer card with its five categories - this card is provided by Bevol. This card can then be used to obtain different discounts and benefits provided by the companies that wish to support volunteerism through the platform. As for-profit companies, Bevol allows them to support volunteers by offering different services and discounts. Bevol plays a significant role in raising awareness on the sustainable development goals and contributing to their achievement by linking each volunteering mission on the platform to the SDGs it contributes to. In addition to the tens of thousands of volunteers from 175 countries around the world, Bevol is currently available in five languages and encompasses more than 2000 various institutions and companies. Furthermore, Bevol has won multiple international awards and has been officially recognized by many international organizations and federations as a social media platform specialized in community work, whereby these organizations have used Bevol platform’s icon on their websites alongside the icons of other International social media platforms.

Website: https://bevol.org/awards

Target Beneficiary Groups: NULL
Title: International Data-Based Systems Agency (IDA)

Description: Guaranteeing globally human rights not only offline but also online and in Data-Based Systems (DS), an International Data-Based Systems Agency (IDA) is necessary. Digital transformation and so-called AI – comprise ethical opportunities and ethical risks. DS can be powerful for fostering human rights and sustainability but also for violating human rights and for destroying our planet. Therefore, it is necessary to identify ethical opportunities and ethical risks as well as opportunities for promoting human rights and human rights risks precisely and at an early stage in order to be able to benefit sustainably from the opportunities and to master or avoid the risks. In the avoidance and mastering of risks, technology-based innovation can in turn play an essential role. To guarantee human rights and to promote sustainability not only offline but also “online”, in the digital sphere as well as in the domain of Data-Based Systems –, an International Data-Based Systems Agency needs to be established at the UN as a platform for technical cooperation in the field of digital transformation and DS fostering human rights, safety, security, and peaceful uses of DS as well as a global supervisory and monitoring institution and regulatory authority in the area of digital transformation and DS. IDA would contribute to sustainable and human rights-based data-based systems. The establishment of IDA is realistic because humanity has already shown in its past that we cannot always “blindly” pursue and implement the technical possible, but also limit ourselves to what is technically feasible when the welfare are at stake. For example, humans researched the field of nuclear technology and developed the atomic bomb, it was dropped several times, but then humans limited research and development in nuclear technology, to prevent even worse, despite massive resistance. This suppression was successful to the greatest possible extent, thanks to an international regime, concrete enforcement mechanisms, and thanks to IAEA.
“AI is far more dangerous than nukes [nuclear war-heads]. Far. Then why don't we have regulatory oversight? This is insane.”

**Title:** The ASEAN Guide on AI Governance and Ethics (Nil)

**Description:** With the rapid development of AI technology, trust in the development and deployment of AI is integral to encouraging its use and adoption. We believe that it is imperative for ASEAN to cultivate trust in the use of AI to realise the full benefit of AI to the regional economy. To this end, Singapore led the development of the ASEAN Guide on AI Governance and Ethics, which serves as a practical guide for organisations in the region that wish to design, develop, and deploy traditional AI technologies in commercial and non-military or dual use applications. The Guide seeks to establish common principles for trustworthy AI and suggest best practices for how to implement trustworthy AI in ASEAN. It includes recommendations on national-level and regional-level initiatives that governments in the region can consider implementing. It also illustrates...
components of the Guide through use cases of organisations operating in ASEAN that have implemented AI governance measures. The project involved a comprehensive stakeholder consultation process with ASEAN Member States, Dialogue/Development Partners (e.g., US, China, EU, ITU), as well as industry. Ultimately, the Guide is significant as ASEAN’s first and one of the world’s first regional guideline on AI governance. It represents ASEAN’s efforts at crystallising AI governance principles and governance practices relevant to and appropriate for ASEAN’s unique context and marks an important milestone in ASEAN’s progress on the ASEAN Digital Masterplan 2025, which envisions ASEAN as a leading digital community and economic bloc. Moving forward, the Guide lays the groundwork for ASEAN’s future AI initiatives, which can build on the framework in this project to address topics such as the governance of generative AI.


Target Beneficiary Groups: YOUTH, OLDP, WOMN, UNEMP, POOR, MIGR, RURL

WSIS Action Lines: 1, 3, 4, 5, 6, 10, 11

SDGs: SDG4, SDG8, SDG9, SDG17

Stakeholder Type: Government

Country, Region: Singapore, Asia and Pacific
Title: The Monitoring System for the Progress of Emirati Women

Description: The Monitoring System for the Progress of Emirati Women is the first data governance system for women in the United Arab Emirates. The aim of the project is to enhance the national system in a way that serves the government’s directions in enhancing the competitiveness of the United Arab Emirates and achieving competitiveness for the national strategy for Emirati women, and measuring local, regional, and international competitiveness rates, which helps in presenting the best forms of effective partnership at the national level. The importance of establishing the Monitoring System for the Progress of Emirati Women comes as a clear methodology and mechanism for anticipating the future of Emirati women and is based on realism and transparency in analyzing data built on competitive indicators. The system was used to prepare a study analyzing the outcomes of the National Strategy for Empowering Women 2015-2021, with the participation of 154 focal points from 33 federal entities, 72 local entities, 12 public benefit entities, 6 semi-governmental entities, 20 entities from the private sector, and 11 entities from higher education institutions. Objectives: Establishing a unified system and a formal governance mechanism for measuring the progress of Emirati women. Providing a
national system for monitoring women's issues through which responsibilities and authorities are defined, and improvement plans and recommendations are raised. Services: A unified government platform for monitoring and follow-up processes. Management and follow-up of the implementation of strategic and operational plans. Enabling entities to include corrective actions and recommendations. Providing periodic reports for all areas and their different levels with an analysis of their results.

Website: https://www.uaew.ae/

Target Beneficiary Groups: WOMN

WSIS Action Lines: 1, GOV, 11

SDGs: SDG3, SDG4, SDG5, SDG8, SDG10, SDG17

Stakeholder Type: Civil Society

Country, Region: United Arab Emirates, Asia and Pacific

Title: Cibervoluntarios: Civic Technology to Change the World

Description: Cibervoluntarios, Spanish NGO of international scope was born in 2001, with the mission of ensuring that all people have equal opportunity to access, learn and use technology to promote their autonomy, strengthen their rights, improve their employment opportunities and social participation. A global pioneer in the creation and management of a technology volunteer network, that provides free training in digital skills to thousands of people a year: Cibervoluntarios has a network of more than 3,800 cybervolunteers and we collaborate with more than 2,100 grassroots organizations in Spain, reaching 90,000 people annually. Throughout these 23 years we have managed to create a methodology and model that is replicable, scalable and adaptable to other local realities. The goal of this project is therefore to replicate this successful model in other regions, starting with the EU countries, with the aim of expanding worldwide, always from local to global.

Website: https://www.cibervoluntarios.org/en/

Target Beneficiary Groups: YOUTH, OLDP, WOMN, INDG, DISB, UNEMP, POOR, MIGR, REFG, RURL

WSIS Action Lines: 1, 4, 10, 11
**SDGs:** SDG4, SDG10, SDG16, SDG17

**Stakeholder Type:** Civil Society

**Country, Region:** Spain, Western Europe and North America

---

**Title:** TDRA Virtual Academy

**Description:** The TDRA (Telecommunications and Digital Government Regulatory Authority) Virtual Academy is an innovative learning solution designed to support digital transformation and foster a culture of digital learning in the United Arab Emirates (UAE). With a vision to be a central hub for digital mastery, the Academy aims to empower individuals with knowledge, skills, and abilities to drive digital transformation and position the UAE as a global digital leader. The primary objective of TDRA Academy is to equip individuals with the digital skills necessary to thrive in a rapidly evolving world. The academy addresses the specific needs of federal and local entities, employees, job seekers, students, citizens, residents, and international agencies by offering diverse learning programs tailored to different audiences and needs. The academy strives to accelerate the adoption of digital enablers, develop future talent, and increase digital awareness. TDRA Academy follows a comprehensive learning framework consisting of "Analyze, Design, Develop, Implement, and Evaluate" phases. This framework ensures clear roles and responsibilities, diverse and role-specific learning programs, continuous evaluation, long-term return on investments, talent development, and efficient deployment and maintenance. The Academy has reached a wide range of stakeholders, including underserved communities and marginalized groups by providing accessible and practical digital skills training. It has fostered gender equality by creating a supportive environment for women in technology. The impact extends beyond the UAE. Through a collaboration with the International Telecommunications Union (ITU), TDRA Academy is fulfilling its leadership pledge to train 500,000 individuals globally, contributing to digital skill development worldwide.

**Website:** https://academy.tdra.gov.ae/

**Target Beneficiary Groups:** YOUTH, OLDP, WOMN, DISB

**WSIS Action Lines:** 1, 4, 5, LEA, 11
**SDGs:** SDG4, SDG5, SDG8, SDG9, SDG10, SDG17

**Stakeholder Type:** Government

**Country, Region:** United Arab Emirates, Asia and Pacific

**Conclusion**