ICT Projects and WSIS Action Line Related Activities in Africa

Regional WSIS StocktakingReport 2021-2022

Information and Knowledge Societies for Sustainable Development Goals
www.wsis.org

working together towards **2025**

World Summit on the Information Society
Turning targets into action
Geneva 2003 | Tunis 2005 | New York 2015

ITU

WSIS Stocktaking Regional Report 2021-2022

(Zero Draft)

ICT Projects and WSIS Action Line Related Activities

Africa

Content

Introduction

The World Summit on the Information Society Forum 2022 represents the world's largest annual gathering of the ICT for development community. The WSIS Forum 2022 started from 15 March onwards in a virtual format with the final week being held physically with enhanced remote participation from 30 May to 3 June 2022 at the ITU Headquarters in Geneva, Switzerland, under the theme of ICTs for Well-Being, Inclusion and Resilience: WSIS Cooperation for Accelerating Progress on the SDGs. The WSIS Forum, co-organized by ITU, UNESCO, UNDP and UNCTAD, in close collaboration with all WSIS Action Line Facilitators/Co-Facilitators, has proven to be an efficient mechanism for coordination of multi-stakeholder implementation activities, information exchange, creation of knowledge, sharing of best practices and continues to provide assistance in developing multi-stakeholder and public/private partnerships to advance development goals. World leaders committed themselves to regularly review and follow up progress in implementing the action lines outlined in the WSIS Outcomes.

ITU has been contributing enormously to WSIS implementation and follow-up from 2005 to the present. The tasks carried out by ITU at the operational and policy level cover all mandates assigned to it relating to the WSIS process, in particular:
- As facilitator for Action Lines C2 (Information and communication infrastructure) and C5 (Building confidence and security in the use of ICTs), as well as C6 (Enabling environment);
- As co-facilitator for Action Lines C1, C3, C4, C7 and C11
- As partner in Action Lines C8 and C9;
- As rotating chair and vice-chair of the United Nations Group on the Information Society (UNGIS) (§ 103 of TAIS);
- As lead partner on Measuring ICT for Development (§ 114 of TAIS);
- As facilitator of the WSIS Stocktaking process (§ 120 of TAIS);
- As organizer of World Telecommunication and Information Society Day (§ 121 of TAIS);
- As lead of the Connect the World Initiative (§ 98 of TAIS).

The United Nations Economic and Social Council (ECOSOC) resolution 2020/12 "Assessment of the progress made in the implementation of - and follow up to the outcomes of the World Summit on the Information Society" , that 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 goals of the World Summit, encourages all stakeholders to nominate their projects for the annual WSIS Prizes, as an integral part of the WSIS Stocktaking process, while noting the report on the WSIS success stories.

The outcome document of the UNGA High-level Meeting on the overall review of the implementation of the outcomes of WSIS recognized the importance of reporting and sharing of best practices for the implementation of WSIS outcomes by all stakeholders beyond 2015, recognizing the WSIS Forum as a key platform for doing it. In this context the WSIS Stocktaking process plays a strategic role in supporting WSIS Forum in its endeavor.

Moreover, the WSIS Overall Review called for close alignment between the WSIS process and the 2030 Agenda for Sustainable Development, highlighting the cross-cutting contribution of ICTs to the Sustainable Development Goals. In this context also the WSIS Stocktaking evolves into the unique global process for collection of information on actions carried out in context of WSIS, while

underlining their contribution to the implementation of the 2030 Agenda for Sustainable Development.

In the period 2021-2022, WSIS Stocktaking Reports have reviewed 1,620 ICT-related projects and activities carried out by international organizations, governments, the private sector, civil society and other stakeholders around the world. WSIS Stocktaking reports are based on the multi-stakeholder approach, including input from stakeholders from all over the world responding to ITU's official call for stocktaking updates and new entries. The inputs from WSIS action line facilitators and co-facilitators also contribute to the reports.

The WSIS Stocktaking community comprises of more than 200,000 stakeholders who are eager to contribute to the WSIS Process year after year. By identifying trends in implementing WSIS Outcomes, the WSIS Stocktaking Process makes a significant contribution towards building an inclusive Information Society.

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 SDGs.

We take this opportunity to extend sincere gratitude to all of the stakeholders from the Africa region who have been engaged in the WSIS Process, sharing their national advances on implementation of the WSIS outcomes since 2004. We would also like to invite all ITU Member States and Sector Members of Africa region to continue engaging with the WSIS Stocktaking process by submitting projects relevant to WSIS Action Lines and the newly established SDGs, promote the WSIS Stocktaking process within their communities, and follow new developments of the WSIS Prizes 2020 contest.

The WSIS Action Lines break down into 18 categories:

1) The role of governments and all stakeholders in the promotion of ICTs for development

2) Information and communication infrastructure

3) Access to knowledge and information

4) Capacity building

5) Building confidence and security in the use of ICTs

6) Enabling environment

7) E-government

8) E-business

9) E-learning

10) E-health

11) E-employment

12) E-environment

13) E-agriculture

14) E-science

15) Cultural diversity and identity, linguistic diversity and local content

16) Media

17) Ethical dimension of the information society

18) International and regional cooperation

The 17 Sustainable Development Goals (SDGs):

Goal 1. End poverty in all its forms everywhere

Goal 2. End hunger, achieve food security and improved nutrition and promote sustainable agriculture

Goal 3. Ensure healthy lives and promote well-being for all at all ages

Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

Goal 5. Achieve gender equality and empower all women and girls

Goal 6. Ensure availability and sustainable management of water and sanitation for all

Goal 7. Ensure access to affordable, reliable, sustainable and modern energy for all

Goal 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

Goal 10. Reduce inequality within and among countries

Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable

Goal 12. Ensure sustainable consumption and production patterns

Goal 13. Take urgent action to combat climate change and its impacts

Goal 14. Conserve and sustainably use the oceans, seas and marine resources for sustainable development

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

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

Goal 17. Strengthen the means of implementation and revitalize the global partnership for sustainable development

Countries in Africa Region

- Angola (Republic of)
- Benin (Republic of)
- Botswana (Republic of)
- Burkina Faso
- Burundi (Republic of)
- Cameroon (Republic of)
- Cape Verde (Republic of)
- Central African Republic
- Chad (Republic of)
- Congo (Republic of the)
- Côte d'Ivoire (Republic of)
- Democratic Republic of the Congo
- Equatorial Guinea (Republic of)
- Eritrea
- Ethiopia (Federal Democratic Republic of)
- Gabonese Republic
- Gambia (Republic of the)
- Ghana
- Guinea (Republic of)
- Guinea-Bissau (Republic of)
- Kenya (Republic of)
- Lesotho (Kingdom of)
- Liberia (Republic of)
- Madagascar (Republic of)
- Malawi
- Mali
- Mauritius (Republic of)
- Mozambique (Republic of)
- Namibia (Republic of)
- Niger (Republic of the)
- Nigeria (Federal Republic of)
- Rwanda (Republic of)
- Senegal (Republic of)
- Seychelles (Republic of)
- Sierra Leone
- Somali Democratic Republic
- South Africa (Republic of)
- South Sudan (Republic of)
- Swaziland (Kingdom of)
- Tanzania (United Republic of)
- Togolese Republic
- Uganda (Republic of)
- Zambia (Republic of)
- Zimbabwe (Republic of)

WSIS Stocktaking 2021: Summary

In 2021, the WSIS Stocktaking Platform has seen the biggest increase in new entries, including the number of stakeholders registered, with more than 100,000 stakeholders representing governments, the private sector, international organizations, civil society, academia, technical communities, and others. This has strengthened its position as the major ICT for development (ICT4D) online platform. As of May 2021, over 100, 000 updated entries were registered in the WSIS Stocktaking Database, reflecting all manner of innovative WSIS-related activities.

The WSIS Stocktaking Report will be officially released during the WSIS Forum 2022 (in Geneva, Switzerland). It reflects more than the 1,000 WSIS-related activities that were submitted to the WSIS Stocktaking process for the period April 2020 to September 2021.

About 46 percent of the projects submitted were government initiatives, while 12 percent originated from civil society, 26 percent from the private sector, 6 percent from international organizations, and another 10 percent from academia. Regarding the geographic distribution, **17 percent were from Africa.**

The WSIS multi-stakeholder community was invited to participate and cast its vote for one project in each of 18 categories. The list of the 18 most appreciated/ voted projects was identified and winning projects were announced officially to the public during the prize ceremony held during the WSIS Forum 2022.

The success stories showcased examples of projects on the implementation of WSIS outcomes, emphasizing the achievements of stakeholders working towards achievement of WSIS goals, transferring experience and knowledge at the global level, and spreading and fostering WSIS values.

WSIS Stocktaking 2022: Summary

As of May 2022, almost 8,000 updated entries were registered in the WSIS Stocktaking Database, reflecting all manner of innovative WSIS-related activities. The WSIS Stocktaking Report and the Success Stories 2022 will be officially released during the WSIS Forum 2022 (in Geneva, Switzerland).

Following a comprehensive review of all projects submitted, the ITU Expert Group nominated over 300 projects, which were published online for public appreciation.

The 360 nominated projects break down into 165 projects from the government sector, 93 from private sector, 36 from the academia, 44 from civil society, and 22 from international organizations. As regards regional distribution, 186 from the Asia and Pacific region, 35 from the Latin America and the Caribbean region, 27 from the Eastern Europe, 64 from the Western Europe and North America region, and 48 from the Africa region, while 22 nominated projects come from international organizations.

The success stories showcased examples of projects for implementation of WSIS outcomes, emphasizing the achievements of stakeholders working towards the achievement of WSIS goals and SDGs, transferring experience and knowledge at the global level, and spreading and fostering WSIS values.

WSIS Stocktaking Regional Report 2021-2022: ICT Projects and WSIS Action Line Related Activities

AL C1. The role of governments and all stakeholders in the promotion of ICTs for development

Inclusive Design in Africa webinar series
http://inclusiveafrica.org/webinar/april-30-2020

The project is under **inABLE.org** in **Kenya**.
 "As the global COVID19 pandemic continues, the lives of the global population have been dramatically altered, bringing into sharp focus just how much we rely on digital systems and products for essential services in our day to day existence.   Sadly across Africa, many people with disabilities are experiencing a secondary source of isolation—digital isolation. To address this digital accessibility gap in Africa, we at inABLE quickly launched a monthly Inclusive Design in Africa webinar series that investigates how Africa can prepare to move forward in improving digital access for all people, as a matter of priority.   The first-ever Inclusive Design in Africa webinar on the topic about ""Inclusive Design in Africa: Why Equal Access is Imperative and How to Achieve it" had 180 registered attendees from around the world.   Attendees from Africa made up the largest attendee group with webinar registrants from Kenya, Nigeria, Rwanda, South Africa, and Uganda."
The project contributes to WSIS Action Lines: **1**.
The project is relevant to **SDG4**.

Senior Management Connectivity
http://www.mofa.gov.lr/public2/index.php

The project is under **Ministry of Foreign Affairs** in **Liberia**.
The Division of Information & Communications Technology (ICT) through this project has connected all senior staff or senior management phones and personal laptops/tables/iPad to the internet to enable them have access to information or updates from stakeholders to promptly respond to the COVID-19 outbreak. This connectivity have allow senior management to create what'sup groups, virtual meetings via zoom among other social groups for information sharing which is presently helping stakeholders to adequately contain the spread of the virus.
The project contributes to WSIS Action Lines: **1, GOV**.
The project is relevant to **SDG9**.

Rapid Response to Community COVID-19 queries through an online counselling service

http://www.helplinemauritius.org

The project is under **Halley Movement Coalition** in **Mauritius**.

"1. Online counselling service through live chat, email and short code telephone   2. Accessibility to all users through the free platform: www.helplinemauritius.org   3. Professional advice and guidance by trained & expert counsellors working for the service since years now.   4. Awareness campaign of the service through social media: FB-helplinemauritius   5. Community dialogues in marginalised and 'difficult to reach' areas."

The project contributes to WSIS Action Lines: **1**.

The project is relevant to **SDG1**.

Spoon Consulting Ltd.

http://www.spoonconsulting.com/

The project is under **Federation of Innovative & Numeric Activities in Mauritius (FINAM)**   in **Mauritius**.

Zulaika Sunthbocus, one of the three professionals, who fifteen years ago, decided to fly from France to a different environment which provided the almost perfect setup aligned with their project of founding an IT software development company Spoon Consulting Ltd.   The adventure was launched by implementing Oracle ERP for their clients in Europe. They quickly realized the exponential impact of Cloud technologies and they were the first to begin Salesforce, the 1st leading CRM in Mauritius. Now in 2020 they are fully cloud. They have developed a software application named Sharinpix, providing an innovative way of managing images within salesforce, the app is entirely made in Moris and available throughout the world via Salesforce platform.   Their main objectives of this SME are targeted around four major sectors: Their people : To day Spoon Consulting is composed of 130 + experts with more than 60 %   girls in technology. Their core values completely gender neutral based on training, investing in new technologies, coaching, appraisal, rewards, incentives, customer excellence, transparent communication tools, knowledge sharing,etc.)   drive their people, in fact their major asset to the next level. Innovative technolgies : Spoon Consulting offers software implementation services   on the most innovative technologies (Salesforce, Oracle cloud,   Microsoft Dynamics, Talend, Postgres Sql, Heroku, Elastic Search amongst others).

The project contributes to WSIS Action Lines: **1, 2, 3, 5, BUS, LEA**.

The project is relevant to **SDG3, SDG4, SDG5, SDG8**.

Inspire a Child

http://fliplearnkids.com/

The project is under **Fliplearnkids** in **Nigeria**.

Inspire A Child is an annual global initiative established by FliplearnKids, Nigeria, bringing together individuals/entrepreneurs/educators/professionals from around the globe who have shown resilience

in pursuing their dreams, to communicate with young girls in Nigerian public schools right there in the classroom, and possibly, for those few minutes create a spark that would ignite a vision of future possibilities.   IAC is in 3 parts: Mentoring Session, Digital Leadership Academy & Opportunity Access   The mentoring session takes place in the classroom. During this stage , different guest speakers: individuals / entrepreneurs / educators / professionals from different continents and countries provide them with practical guidance on how to keep their dreams alive.   Digital Leadership Academy workshop.   According to US BLS employment projections, 73 per cent of new jobs in the next five years will require technology skills, 91 per cent of hiring managers consider employee certification as a criterion when hiring, 50 per cent believe that obtaining certification makes them more marketable *. In order to help them find their feet, we equip them with digital and technical skills during the Digital   Academy Leadership Workshop.   This involves training students and equipping them with digital skills, as well as participating in our work fair entitled Opportunity Access.   Opportunity access The aim is to help them get intern jobs from partnering companies during their idea exhibition session.

The project contributes to WSIS Action Lines: **1, 4, 5, LEA**.

The project is relevant to **SDG4, SDG8, SDG16**.

PROJET GENRE ET TIC

http://www.numerique.gouv.sn/cabinet-du-ministere/cellule-genre

The project is under **Ministère de l'Economie Numérique et des Télécommunications** in **Senegal**. This government project is unique in Senegal in the sense that it aims to create female digital startups. Objectives: Strengthen the access and capacities of girls and women to ICTs; - Strengthen the presence and participation effective women in positions of responsibility in the ICT sector; - Institutionalize gender in the ICT sector Activities: - training in gender, digital technology, leadership, entrepreneurship, - Competition for innovative digital projects, - Advocacy for women's

access to decision-making positions - Communication.
The project contributes to WSIS Action Lines: **1, 3, LEA**.
The project is relevant to **SDG4, SDG16**.

OneMoney Digital group lending for women MSMEs
https://www.netone.co.zw/home/

The project is under **NetOne Cellular**   in **Zimbabwe**.
NetOne is a mobile network operator that has a digital financial services business as a stand alone business unit, it focuses on empowering economically the marginalised women through agency model, creation of a credit rating score to include the marginalised in accessing credit, it also offers data and communications services at very affordable rates for the poor as well as paternering in digital financial services plus products to bring convenience and risk mitigation amongst the masses inform of micro insurance, utilities directly accessed from the mobile financial services platform, NetOne champions innovation and makes E Commerce platforms accessible at almost for free to the marginalised creating an enabling environment to support business growth especially for women business.
The project contributes to WSIS Action Lines: **1, 4**.
The project is relevant to **SDG5, SDG8, SDG10**.

Innovation Hub Project/Hanga Hubs
https://www.risa.rw/

The project is under **Rwanda Information Society Authority** in **Rwanda.**

To increase digital based employment opportunities in high economic potential sectors through technology enabled innovation incubation hubs. this project will achieve but not limited to following milestones: 1) Establish adequate incubation infrastructure 2) 4 Tech Innovation Hubs to be established in selected 4 secondary cities 3) Business Development, Product Development, Trainings, Investment Advisory, Pre-seed grants 4) 192 startups will receive support to build and secure 768 future-proof jobs (direct jobs), 1000+ trained 5) 400+ small businesses and local entrepreneurs to benefit from matchmaking opportunities 6) Strategy, Governance and Sustainability Advisory, Project Management, Branding & Communication, B2B Match Making, Awareness.

The project contributes to WSIS Action Lines: **1, 3**

The project is relevant to **SDG9, SDG11**

AL C2. Information and communication infrastructure

HealthoxHub

https://www.healthoxhub.com/

The project is under **Healthoxhub** in **Ghana**.

Health information can be difficult to express especially to people who are not health experts. Healthoxhub is a platform devoted to educating the public on health issues by health experts in simple language and understandable ways. The target audience is the adult population between 18 to 70years. The main objective of this platform is to educate people on issues relating to health using story telling.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, HEA**.

The project is relevant to **SDG1, SDG4, SDG10, SDG11**.

TELECONOMY FROM TOP UP AND GET REWARD LTD

https://www.topupandgetreward.com

The project is under **TELECONOMY FROM TOP UP AND GET REWARD LTD** in **Nigeria**.

TELECONOMY, is an innovative digital telecom platform for providing basic telecom services and income to the masses without much physical contacts and interactions even during COVID-19 Pandemic . Through this project, data and airtime subscriptions were made possible to the masses for online learning, working while earning regular income even in the mist of the lockdown. Our TELECONOMY enable the average youths and women to be empowered through the mobile telecom to continue learning-working and earning without physical meting ups and contacts. As such, many Nigerians were enabled to survive the COVID-19 Era with Data, airtime, satellite subscriptions with regular income without much difficulties.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, BUS, LEA, EMP, SCI**.

The project is relevant to **SDG1, SDG2, SDG3, SDG4, SDG5, SDG8, SDG9, SDG11, SDG12, SDG17**.
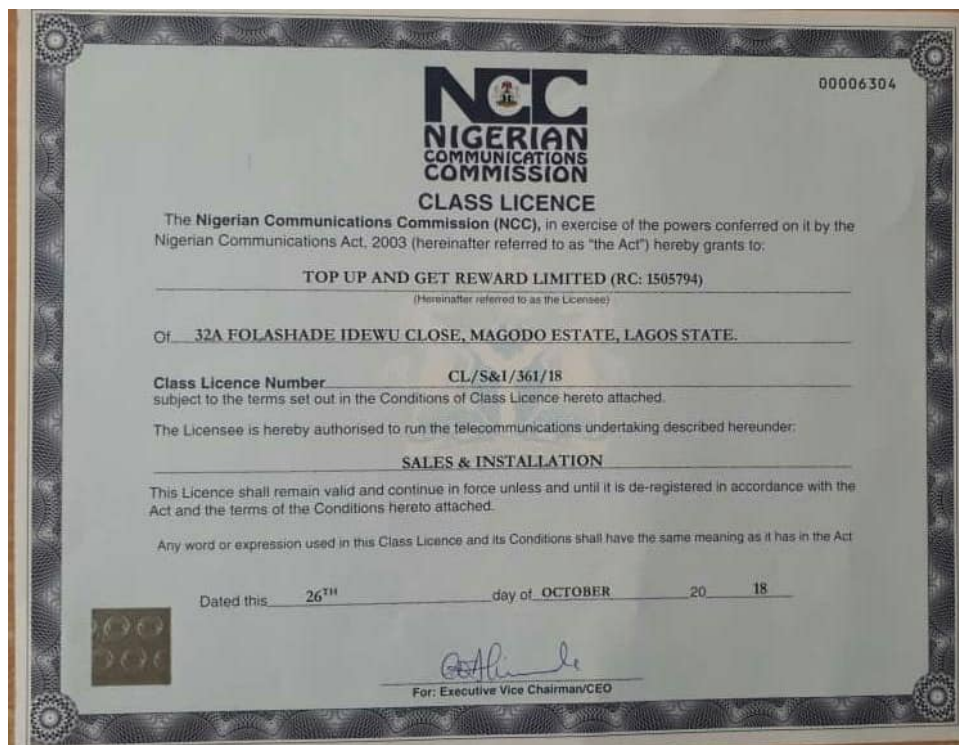
Mobile money services innovation for group advance payment
http://uniquefountainglobalventure.com

The project is under **UNIQUE FOUNTAIN GLOBAL VENTURE** in **Nigeria**.

UNIQUE FOUNTAIN GLOBAL VENTURE operates mobile money services innovation for women group advance payment and low income people in the rural communities and less privileged in various levels. Our clients are petty traders, market women and willing girls to be employed. We operate mobile money services and promote solid livelihood for our clients (women).Our objective is to produce and promote solid livelihood for our clients as daily mobile money services provider and internet adoption and usage of thrift savings scheme through mobile phone transfer. In Nigeria over 80% women population are still transecting in cash and low income women in rural communities cover long distance before they can withdraw or deposit money. We open account for over 54 and registered over 4570 on our daily mobile money platform for mobile money transfer and internet adoption inclusive. We trained over 3500 women on how to use mobile phone transfer through their wallets. Nigeria people is over 200 million population and 60% of the population are not using bank account and internet service. We introduced electronic banking through usage of thrift savings scheme and POS,USSD, Internet etc.

The project contributes to WSIS Action Lines: **2, 5, EMP**.

The project is relevant to **SDG5, SDG8, SDG11**.

TELECENTRE

http://www.tcra.go.tz

The project is under **TANZANIA COMMUNICATIONS REGULATORY AUTHORITY** in **United Republic of Tanzania**.

The Tanzania Communications Regulatory Authority (TCRA) is a quasi, independent Government body responsible for regulating the Communications and Broadcasting sectors in Tanzania. It was established under the Tanzania Communications Regulatory Act No.12 of 2003 to regulate the electronic communications, and Postal services, and management of the national frequency spectrum in the United Republic of Tanzania. The Authority became operational on 1st November 2003 and effectively took over the functions of the now defunct Tanzania Communications Commission (TTC) and Tanzania Broadcasting Commission (TBC) respectively. STRATEGIC GOAL   To enhance the welfare of Tanzanians through effective and efficient regulation that promote innovation and ensure universal access to secure, quality and affordable communication services.   STAKEHOLDERS AND TARGET AUDIENCES   1. Government   2. Communication Service Providers   3. Consumers of communication services   In achieving TCRA's strategic goal of promoting efficient communications services and increase access to ICTs in underserved and un-served areas; one of the projects that relates to this strategic objective is to establish and develop Telecentres in the country. In every year TCRA allocate resources in the efforts to establish and support communities on access to digital technologies by providing ICT equipment such as Computers, Photocopiers, Printers, Television and Internet Services to telecentres established in rural areas. Telecentres provide access to ICT services, support women economic activities and various programs including educational, agriculture, health and create economic growth opportunities while reaching out to other marginalized groups. Currently there are ten (10) Telecentres operational, which provide ICT services to the communities in the rural areas to support economic development initiatives to more than 8,500 women and girls.

The project contributes to WSIS Action Lines: **1, 2, 6**.

The project is relevant to **SDG5, SDG8, SDG9, SDG11**.

GIS Assets Management System for Local Authorities (LA)

https://ncb.govmu.org/ncb/gis.html

The project is under **National Computer Board in Mauritius**

The project allows the compiling and geo-tagging of various assets (electric poles, roads, drains, buildings etc..) on a visual GIS dashboard and easily allow officers to monitor and edit these assets (repairs, maintenance) and remedial actions. Data collection is being achieved through a mobile App used by field officers or virtual tagging on the GeoServer. Infrastructure at the GOC has been set up for hosting all assets' data, the GIS software and applications as well as secured connectivity. The GIS Assets is being integrated with the Council Project Management (CPM) and would allow the LA to closely monitor assets in near real time. Future systems such as Fleet Management and Permits & Licenses will be eventually incorporated.   The results obtained from the successful deployment of the pilot site now enables officers to quickly monitor the status of various assets, flag

any faults or issues which are easily viewed on a map. The dashboard can be accessed by technical and senior management for near real time remedial actions.   The impact of the project is a shift from manual processes to an efficient GIS based monitoring of assets and flagging of alerts. The system allows simultaneous access by multiple officers and enables more efficient decision making.
The project contributes to WSIS Action Lines: **1, 2**
The project is relevant to **SDG9, SDG11**

E - Powering People

Digital Youth Engagement Programme (DYEP)

Citizen Engagement Programme (CEP)

Universal ICT Educational Programme (UIEP)

Cyber Security awareness

E - Powering Business

3D Printing & Design

Awareness on Emerging Technologies

Digital Start-ups Programmes

Tech talks, Workshops & Training

E - Powering the Public sector

Managing the Data Centre of Government

Hosting of Websites & Back Office applications of Ministries and Departments

AL C3. Access to information and knowledge

Projet de réalisation du chateau solaire du village de Nadion
http://www.ajdlburkina.org/

The project is under **Association des jeunes du Département de Léo** in **faFaso**.
The main objectives are as follows: - to seek sources of financing to carry out development projects of a social and cultural nature.   - to serve as a framework for regrouping and expression specific to young people.   - to promote access to drinking water to populations of vulnerable rains
The project contributes to WSIS Action Lines: **3, 4, 10**.
The project is relevant to **SDG5, SDG6, SDG16**.

Empowerment of Women & Young Girls through the digitalization of entrepreneurship activities
http://www.cefeprod.net/

The project is under **Centre Féminin pour la Promotion du Développement - Statut Consultatif Spécial ECOSOC** in **Cameroon**.
CEFEPROD contributes to the reduction of the digital gender divide or the digital divide Men / Women, it carries out actions to promote gender equality and the empowerment of women through ICTs, to this end, it organizes, since 2012 until today the International Day of the Girl in the ICT sector and has organized the National Forum on the Empowerment of Women through the Development of the Digital Economy in 2016.
The project contributes to WSIS Action Lines: **3, LEA**.

The project is relevant to **SDG4, SDG5**.

Operation 1 million Tech Girls and Women across Africa
https://www.open-dreams.org/about

The project is under **Lesly Tech Home** in **Cameroon**.
Technology has greatly facilitated life over the years, but we keep on excluding elderly women and teenage girls as far as technological advancement is concerned. Carl Sagan once said "We've arranged a civilization in which most crucial elements profoundly depend on science and technology." If this statement is true, then we failed if indeed a civilization had been arranged with crucial elements depending on technology while others still lack knowledge of what it is. In 2014, I was baffled at the rate at which most women in my community underrated technology. I learnt that it was because they had no clue of what technology is all about. In order to address the issue, I started a routine activity between me and my grandmother where I spent significant time with her every evening answering her questions about technology. I got a Motorola C113 model telephone which I used to teach her the various tasks a mobile phone can perform and how to browse through the device. As the course moved on, she began developing joy while using a cell phone and had to invite some of her mates with technological related problems for me to solve. The news later spread like an epidemic in the entire village and got to the ears of our chief who later on purchased a smartphone and invited me to his palace to help drill him on how to browse through the device. Through this initiative, many individuals got a glimpse of what technology is all about and many developed the love for technology. Ever since from then on, I have been pushing through with this initiative to nearby communities so as to reach out to many women and girls and I wish that one day, I will completely bridge out the gap that exists between women in Africa and the digital revolution.
The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5**.
The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8**.

The National Information Contact Center
http://moi.gov.gh

The project is under **Ghana Investment Fund for Electronic Communications** in **Ghana**.
The National Information Contact Center (NICC) (Info311) is a single-point-of-access non-emergency phone number that allows the public to call in for information on Government services/policies, make complaints or report problems. More importantly, the system allows citizens to make inputs and also allows the Government to "push" information to the citizenry as well as to survey to elicit feedback on Governmental issues. A fifth-generation contact center solution-ZXNGCC.A multi-media contact center system that seamlessly allows the convergence of mobile, narrow band, fixed, and data communications, and processes data and content coming from different media.
The project contributes to WSIS Action Lines: **1, 3**.
The project is relevant to **SDG8, SDG9**.

Hydro-Climate information services in Ghana: Farmer Support App implementation and evaluation

http://www.waterapps.net

The project is under **University for Develoment Studies** in **Ghana**.

The Farmer Support App was developed by the Water Systems and Global Change group in Wageningen University in collaboration with researchers from the University for Development Studies (Ghana), and SME's in an attempt to help smallholder farmers in Ghana whose livelihoods depend solely on rainfed agriculture, to deal with climate variability. The program is funded by the Netherlands Organisation for Scientific Research. The research was carried out with the pilot implementation of the app in the year 2020 under the WATERAPPS research programme. The project aimed to develop tailor-made weather information services in the rice valleys of Northern Ghana and to equip farmers with the capacity to generate forecast information using the farmer support app. the specific objectives of the project are; 1) To build capacity of farmers to enable them to use the Farmer Support App.   2) To assess the skills of the Farmer Support App predictions in relation to the ground truth.   3) To evaluate the impact of the App on the livelihood of the farmers with regards to low land rice farming.   The farmer support app works by combining scientific forecast (meteoblue) to local predictions from farmers, drawing forecast a step closer to accuracy in solving the problems of the smallholder farmers. This will improve water management on the field and increase food security while achieving knowledge co-creation and sharing within the farming communities. This will also reduce farmers contact with resource persons (e.g. Extension agents) to received weather forecast information, therefore reducing the farmer's risk of exposure to the virus (COVID -19).

The project contributes to WSIS Action Lines: **3, 4, AGR, SCI, 11**.

The project is relevant to **SDG2, SDG13, SDG17**.

DiV Tech Training and Skills Development

http://www.developersinvogue.org/projects

The project is under **Developers in Vogue Foundation** in **Ghana**.

Developers in Vogue (DiV) is a registered Non-Governmental Women's Tech hub in Ghana that seeks to solve the problem of under-representation of African women in the tech industry. It provides training, mentorship and job placements/business incubation for African women in Tech. The organization runs on the believe that only providing technical training for women is not enough, hence the daily strive to foster a supportive community for African women to grow personally and professionally, as well as build them up to revolutionize Africa and beyond with technical skills. Women within the DiV community get access to mentorship, job placements and business incubation. DiV works mainly with African women from the ages of 18 to 35 years, but also runs various coding, competition and community sessions and clubs for Basic and Senior High school girls. Activities carried out within the Basic and Senior High Schools include Technovation Girls, a global tech education non-profit with which DiV is registered. This activity equips the young girls

who participate to become tech entrepreneurs and leaders, providing tech solutions to identified problems within their society. In 2019, a group of girls trained by DiV, Tech Gems, made it to the semi-final stage of the competition. Junior Code Camp, a monthly Saturday and summer classes held to train young girls in IT disciplines, Introduce a Girl to STEM, a quarterly event at the basic schools where staff and mentors of DiV go within the community schools to speak to and introduce the girls to Science, Technology, Engineering and Mathematics, expounding on the importance and benefits of pursuing STEM at a higher level   among others.

The project contributes to WSIS Action Lines: **1, 2, 3, 5, BUS, LEA, EMP**.

The project is relevant to **SDG1, SDG3, SDG5, SDG8**.

Empowering Ghanaian Girls to Break barriers in STEM

https://www.facebook.com/249096438583783/

The project is under **STEMBEES ORGANISATION** in **Ghana**.

STEM 2.0 is the Programmatic efforts designed to develop young girls in STEM and help them remain in the STEM pool. It is structured to close the gap between the often binary worlds of "school" and "work". Modules include introduction to Robotics, 3D Technology and Printing, Electronics (using the Makey-Makey, Raspberry Pi and Arduino), Cyber-Security and LEGO Education. Some of the projects include Electronic Thermometer Project, Codebus Africa, Ms Cyber Savvy, Hour of Code 2015, FreelunchGh Math Project, Africa Code Week, Penplusbytes ICT Training for Girls, Hour of Code with YWCA, Code with Vodaofne, Coders Hive, Hour of Code 2014 and many other projects in Robotics.   It has successfully represented girls in Global Robotics such as FIRST Global and Pan Africa Robotics Challenge.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, 6, BUS**.

The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8**.

Divaloper

https://web.facebook.com/Divaloper1/?ref=aymt_homepage_panel&eid=ARARnTK7DaYsN4bZ x2xSqrtOTPGGgsIRE4Zpv2QjisUW2Wnibxr4VBB-lompBS7NuiqanroxdAnB8FGH

The project is under **Divaloper** in **Ghana**.

Divaloper is a social enterprise that trains and mentors females to start careers in tech.   Our vision is to train and mentor the next generation of female in tech to be employable or be innovators from underserved communities in Africa.   We are doing this by training females in the basics of IT to advanced programming languages, we have 2 tracks within our organisation. Track 1 is for ladies under employability training   Track 2 is for ladies under entrepreneurship training   we are working on partnering with corporate organisations, so we match up ladies who have completed the employability training to intern at tech organisations.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, LEA**.

The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8**.

Tech Girls Project

https://savsign.org

The project is under **Savana Signatures** in **Ghana**.

Savana Signatures is for impact organization that uses innovative ICT tools for girls, women, young people and marginalized groups personal development. The organization has a track record in implementing and delivering the Integration of ICTs in Education Projects in Primary and Junior High Schools (JHS) in Northern and Volta Regions of Ghana, training teachers in ICT Pedagogy with the aim of enabling every subject teacher to realize the relevance of the use of technology by training them on the art of using technology as an Active Teaching and Learning (ATL) method. Through the Tech Girls project, the organization trained trained for 3 years, 300 ten year old girls in basic computing skills. This aimed at promoting STEM among girls. In addition, Junior High School girls were introduced to computer programing and coding, focusing on using scratch to tell stories. Through the Young Reporters Project, Savana Signatures worked with basic school girls, providing them training to use digital cameras to take pictures and videos of issues of concern in their communities, writing short stories about them and uploading them on UNICEF's Voices of Youth online platform.

The project contributes to WSIS Action Lines: **3, 4**.

The project is relevant to **SDG4, SDG5**.

Kunfabo Smartphone

https://www.kunfabo.com/

The project is under **Kumana Consulting** in **Guinea**.

Kunfabo "to be in touch" in Malinké, the Founder's mother tongue, is the new high quality African Smartphone that wants to conquer the African market from the year 2019 to the years to come. This innovative mobile phone created by a Guinean high tech lovers team lead by Fadima Diawara, the Founder, wants to differentiate itself with 100% three integrated African applications in healthcare, cooking and mobile money services adapted to the African realities and culture. With a price of 100 Euros, the Kunfabo Smartphone wants to compete with the giants of low-cost on the African market, such as Hong Kong Infinix Hot 2 and Chinese Techno. The first healthcare integrated application will help any customer using the Smartphone to localized any hospital, primary or rural medical center and pharmacies surrounding the area of the user. The second cooking integrated application will help any user to find a diverse food, restaurants and places from different cultures in different African countries integrated inside. The last and third pre-integrated application will help rural female, women or any user to use this application and make secure transaction and communicate within its network, family and friends as wanted.

The project contributes to WSIS Action Lines: **1, 2, 3, 5**.

The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8, SDG9, SDG16**.

on social and behavior change to happen in Kenya

HTTP://WWW.ICW.ORG

The project is under **International community of women living with HIV** in **Kenya**.

ICW-kenyais a national feminist women's right Non-Governmental Organization. Although ICW-Kenya s work has expanded over the years, the focus has consistently set women's rights at the center of   everything we do.   Vision: A just society where women and girls enjoy full rights and live in dignity.   Mission: To champion, expand and actualise women's and girls' rights and social justice.   We also support movement building to advance the agenda for social transformation, besides preventing, mitigating and responding to Violence Against Women and Girls (VAWG). The organisation derives its mandate from international, regional and local human rights principles and protocols that recognize the role of multiple stakeholders as catalysts in the advancement of women's rights. The mandate also draws from our own social consciousness which obligates us to continuously champion, expand and actualize women human rights.

The project contributes to WSIS Action Lines: **1, 2, 3, 5**.

The project is relevant to **SDG3, SDG5, SDG8**.

E-learning, access to information and knowledge

https://www.knls.ac.ke

The project is under **Handheld Library - (Laibu Mkononi)** in **Kenya**.

The Coronavirus situation has made it challenging for children living in the impoverished settlement of Kibera as compared to children living in the urban areas; who belong to the middle-income brackets and have access to online lessons since they can afford digital devices and internet connection. However, children living in Kibera slums have no access to ICT and cannot afford the internet. As a librarian, I believe every child deserves the chance to learn. The children and youth need to continue reading despite the Covid-19 pandemic.   Our focus as a community library in the midst of school and library lockdowns was to ensure digital access and inclusion for children within the slum who are socially and economically deprived. We did this by using electronic devices which are acquired from friends. We download the African Storybooks Reader App, educational games, and revision papers on each device and lend them out to the children. They are loaned out to the children in the company of their parents and are supposed to return to the library after one month for assessment, monitoring, and evaluation.

The project contributes to WSIS Action Lines: **2, 3, 4, 5, 6, GOV, BUS, LEA**.

The project is relevant to **SDG4**.

Women ICT Training & Innovation Project

https://www.afralti.org/

The project is under **African Advanced Level Telecommunications Institute** in **Kenya**.

African Advanced Level Telecommunications Institute (AFRALTI) is an Inter-Governmental Institute established in 1992 to supplement and spearhead ICT development efforts mainly in English-speaking Africa. Currently the member States that have ratified the Intergovernmental Agreement (IGA) include Lesotho, Kenya, Malawi, Mozambique, Kingdom of Eswatini, Tanzania,

Uganda and Zimbabwe, out of the 23 eligible members. The institute offers a wide range of workshops and courses in the area of Digital Technology & Management Information Systems, Telecommunication Engineering and Management. With our team of highly experienced facilitators who hold qualifications and relevant industry certifications, we provide unrivaled training solutions in the region.   Vision: "To be a leading and self-sustaining Centre of Excellence for ICT capacity building in Africa".   Mission Statement: "To provide quality training, consultancy and advisory services to the ICT Sector in Africa".   AFRALTI's Core Values: i.   Good Corporate Governance   ii. Professionalism iii. Teamwork iv. Quality and Excellence v. Equal opportunities   vi.   Creativity and innovation.   AFRALTI has engaged in activities that aim to build capacity among different stakeholders in the community such as: Postal and Courier Workshop   AFRALTI runs a 10- module program in the postal and courier industry across Africa that runs from January to March each year.   Child Online Protection Workshop AFRALTI runs a workshop on Child Online protection which aims to build capacity in parents, teachers and caregivers on children online activities.   AFRALTI Incubation Hub   The AFRALTI Start-up Incubation Program aims to help in creating and growing young businesses by providing them with necessary technical, entrepreneurial, leadership and financial support.

The project contributes to WSIS Action Lines: **3, LEA**.

The project is relevant to **SDG1, SDG4, SDG9, SDG11**.

MTEP(Malezi Technical Education Program)

https://www.linkedin.com/in/rose-barasa-8b7a2144/

The project is under **Strathmore University** in **Kenya**.

Malezi Technical Education Program was founded in January 2017 to assist kids from the Malezi center to get skills on the use of computers. The aim is to give the kids access and exposure to computer usage and encourage them that there is better life outside the slums. With the help of volunteers since the onset of the program, we convene every Saturday as from 10.00am – 2.00pm to help kids with digital literacy, which is a major problem in the marginalized communities. An IT teacher is always present to ensure that the skills impacted are relevant and beneficial. The program has a foresight of becoming a community center that offers so much more, beyond technical digital literacy. VISION: Impact the society with digital literacy. MISSION: Impact the children of Malezi Center with digital Literacy.

The project contributes to WSIS Action Lines: **1, 2, 3, 5, LEA**.

The project is relevant to **SDG3, SDG4, SDG5, SDG8**.

Tiny Totos Kenya

https://www.tinytotos.com/

The project is under **Tiny Totos Kenya** in **Kenya**.

Tiny Totos gives private, slum-based informal daycares in Nairobi the knowledge, business tools, capital investments and network they need to transform quality, profits, and reliability of the service they provide lower-income working mothers. Kenya, similar to all countries in Africa, provides no free daycare for preschool children below 5. Unskilled women fill the vacuum of care by opening unregulated daycares to look after their neighbours' children, typically without any formal childcare qualifications, no business management skills, operating in adequate space, giving little more care than adult oversight in the room. With standards poor and most daycares illegal, children below 5 during the most transformative brain development period of their lives spend their days in squalid conditions, failing to meet their developmental milestones, be stimulated, consume basic balanced meals. Daycare owners earn little; with service poor, mothers' work is constantly disrupted. With up to 4,000 daycares attending to an estimated 175,000 children in Nairobi, the impact of poor quality preschool care reverberates throughout lower-income communities impacting 600,000 people in total and society as a whole. To transform the provision of daycare in the informal market, has been building a self-sustaining network of upgraded informal daycares. We provide business and childcare training and access to network and capital support to daycares who partner with us, typically resulting in them tripling revenues and quadrupling profits. To support scale, we designed an innovative user-friendly app in conjunction with daycare managers to make it easier for owners to better manage and understand their own business performance, and share information with parents.

The project contributes to WSIS Action Lines: **1, 2, 3, 5, LEA**.

The project is relevant to **SDG1, SDG2, SDG3, SDG4, SDG8**.

Wise Academy for rural women entrepreneurs

https://wise-kenya.org/

The project is under **Women in Sustainable Entreprises (WISE) in Kenya**.

WISE works with women and girls within and around the fishing communities of Lake Victoria-Kenyan side by providing them with the requisite skills, tools and resources they need to succeed in their entreprises and personal development. Our main areas of intervention include; Leadership skills development for teenage girls and sustainable entreprises development in three sectors; Green energy, ecotourism and Agribusiness across all the value chains as alternative livelihoods for women. WISE acknowledges the fact that for women and girls to succeed and remain competitive in the 21st century, they must not be left behind regardless of their backgrounds and gender limitations. Thus, digital literacy and STEM learning are all mainstreamed in our entrepreneurship and leadership trainings in the following ways; 1. Wise Hub Academy: We conduct a 8 weeks entrepreneurship with IT training for local women entrepreneurs from around the fishing villages and informal settlements. These women include farmers, women in the ecotourism value chains such as hoteliers, craftswomen, and those in the green energy value chains such as solar lamp entrepreneurs, producers of charcoal briquettes, local cookstoves among others. We train them on entrepreneurship combined with ICT skills necessary for their businesses to succeed such as online/digital tools for communication, marketing, networking and resources mobilization.   2. Wise Girls Leadership program: This is a 12 weeks training programme targeting teenage/adolescent girls within the fishing villages and informal settlements with the aim of self development through life skills training and STEM learning in a bid to create awareness and ensure that more girls from such marginalized areas take up STEM courses and careers. Our practical lessons include basic coding classes, simple web app developments, making of prototypes, robotics among others.

The project contributes to WSIS Action Lines: **1, 2, 3, 5, LEA**.

The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG7, SDG8, SDG16**.

Elimisha Technology for Change Initiative

http://www.elimishaempowerment.org/

The project is under **Mumo Elimisha Empowerment Community-Based Organization** in **Kenya**. Elimisha Empowerment community-based organization works to reduce inequalities in marginalized communities in Kenya focusing on Sustainable Development Goal (SDG) 10. The term 'Elimisha' is a Swahili word that means 'To educate.' Therefore, the organization emphasizes on educating and empowering communities. The organization's motto is 'one community at a time for sustainable development.' Currently, the organization is focusing on the slum communities in Nakuru County, Kenya. The concentration is on five main pillars: Education, governance, care for the vulnerable, bridging intergenerational gaps and household strengthening.   On the education pillar, the organization has rolled out an initiative that addresses gaps that exist in terms of technological access for people living in slum areas. The initiative is dubbed 'Elimisha Technology for Change.' The program was started in February 2020 with the beneficiaries being the women and girls of Nyamaroto slums in Nakuru County, Kenya. The focus on women and girls is because they make up about 60% of the larger population in slums in Nakuru County (https://nakuru.go.ke/wp-content/uploads/2018/11/NAKURU-COU NTY-CIDP-2018-2022-FINAL..pdf).   The objectives of the Elimisha Technology for Change Initiative are: i) To empower women and girls through

provision of knowledge on access to technology.   ii) To promote the use of technology to bring about self-reliance and economic development among women in slum communities in Nakuru County, Kenya.   iii) To bridge the digital divide experienced in slum communities in Nakuru County, Kenya.   iv) To build a resource center which will enable access to technological materials and assistance for over 2000 women and girls in slum communities in Nakuru County, Kenya.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, LEA**.

The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8**.

BasaliTech

https://www.basalitech.org/

The project is under **BasaliTech** in **Lesotho**.

BasaliTech is a non-profit in Lesotho that not only aims to increase the profile of young girls and women in science and technology but to also engage the nation at large to encourage the use of technology as a driver for development. Our activities include training for young girls (14 – 18) and women in technology related content such as basic digital skills, programming and robotics which are delivered in person and online. We also host training sessions for young children (boys and girls aged 9 – 14) to encourage gender diversity at a very young age. Furthermore, we bring young girls undertaking science and technology careers together with female professionals through the mentoring program so they can guide the young girls in making informed academic and personal decisions in order to pursue their goals. We also target groups that have little to no access to computers or the internet and introduce them to such skills. Not forgetting the annual Technology conference, we host to engage several stakeholders on technology related matters.   We aim to train 10000 young girls and children by 2030 in order to increase the number of women in STEM and help them occupy some of the ever increasing jobs in tech (https://cyberstates.org). To help them become valuable community leaders by exposing them to technology and mentoring.

The project contributes to WSIS Action Lines: **3, 4, LEA**.

The project is relevant to **SDG4, SDG5, SDG10**.

Establishment of a Telecentre for girls and Women

https://beta.girlsnotbrides.org/our-partnership/member-directory/rural-education-support-and-rehabilitation-unit-resaru/

The project is under **Rural Education Support and Rehabilitation Unit** in **Malawi**.

RESARU would like to establish a resource centre,telecentre where girls and women can access internet,photocopying,scanning among other services.We train girls especially vulnerable and orphans and marginalised communities.Internet services are expensive as such girls and women do not have access to internet including so by coming up with the telecentre we shall bring access to internet.We also train girls in computer skills.The Objective is to provide technology to the rural.To enhance capacity of girls in computer use and internet.To provide technology to rural and remote areas.The activities including typing,internet services,photocopying,scanning.teleconference,zoom meetings.Those in community day secondary schools girls access information on assignments and their research.

The project contributes to WSIS Action Lines: **1, 2, 3, 5**.

The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8**.

Development of High Data Capacity Colour QR Code System

http://fet.mmu.edu.my

The project is under **Multimedia University** in **Malaysia**.

This project describes the development of high capacity colour QR code. The main objective is to develop a QR code that has three times higher data capacity than the current QR code by using same number of data modules. The high capacity colour code code employs Reed Solomon correction algorithm and color multiplexing technique. These colors involved are red, green, blue, cyan, magenta, yellow, white and black. Few image processing techniques for contrast enhancement, interpolation and etc. which involved in the decoder application are also developed and patented (PI2017705178). They are designed for further process the captured high capacity coloured code in order to uplift the decoding accuracy. As result, the developed code is able to achieve three times

of the data capacity more than QR code with similar module number.   Besides, the high capacity colour QR code is equipped with offline identification feature, this allows the code to encrypt images without internet access. According to the experimental result, it is able to achieve 100% decoding accuracy as contributed to the developed image processing techniques.

The project contributes to WSIS Action Lines: **3**.

The project is relevant to **SDG4**.

Cracking the Code

https://www.facebook.com/Accenturemauritius/

The project is under **Accenture** in **Mauritius**.

Cracking the Code is the extension of the Hour of Code on a national level in Mauritius. While the jobs of tomorrow are changing, more talents are needed in the STEM and computing field while trying to close the gender gap of women working in IT.   Partnering with the Ministry of Education in Mauritius, Accenture has been able to bring coding sessions to students all year long.

The project contributes to WSIS Action Lines: **1, 2, 3, 5, LEA**.

The project is relevant to **SDG3, SDG4, SDG5, SDG8**.

Tobias Hainyeko GirlTech Club

https://www.linkedin.com/in/girltech-namibia/

The project is under **GirlTech Namibia**   in **Namibia**.

Training of primary school girls in the informal settlements around Windhoek in ICT literacy and Introduction to Coding.   Main target is girls between 8-15   Activities done through set up of ICT club at the schools in the informal settlements

The project contributes to WSIS Action Lines: **2, 3, 5, LEA**.

The project is relevant to **SDG4, SDG5, SDG8**.

Promoting STEM and Educating a Girl Child to careers in STEM in Rural Namibia

https://www.facebook.com/NAMWIE/

The project is under   **Namibia Women in Engineering (NAMWIE)**   in **Namibia**.

Namibia Women in Engineering (NAMWIE) is a voluntary association of female engineers, who aim to promote STEM and engineering as a career choice for the girl child in Namibia and also to motivate and empower female engineers already in the filed of engineering, therefore creating female engineer role models. We strongly believe that women are capable, intelligent and bring the much needed diversity within the engineering sector. Our target audience are girls from lower grades to secondary level because we recognise that the stereotypes that hinder women from entering STEM related fields need to be dealt with from grassroot level. Then we also target students at university level and industry level as those who progress in these careers find the going tough in an area traditionally known to be for man and is still mostly male dominated, with conditions mainly

favouring man.

The project contributes to WSIS Action Lines: **1, 2, 3, LEA**.

The project is relevant to **SDG3, SDG5, SDG8**.

NAMIBIA WOMEN'S ONLINE ENGAGEMENT REPORT

http://internetsociety.na/

The project is under **Internet Society Namibia Chapter** in **Namibia**.

The Internet Society Namibia Chapter was officially launched in November 2017 as a not-for-profit association with a mission to promote the development of policy of the Internet as a global technical infrastructure, a resource to enrich people's lives, and a force for good in society. The Internet Society Namibia Chapter membership is free for all and represent the extensive multistakeholders within the internet in the Namibia Ecosystem. It is independent and only serves along the interests of the internet policy and development. It is governed by a board of Directors representing the different stakeholders of the Internet Ecosystem in Namibia. OUR AIM to serve as a focal point for cooperative efforts to promote the internet as a positive tool for social development for all in Namibia to unite different internet players in Namibia to create awareness on issues related to the development of Internet in the Country GOVERNANCE STRUCTURES is made up of 75% woman

The project contributes to WSIS Action Lines: **1, 2, 3, 5, BUS, LEA, EMP**.

The project is relevant to **SDG3, SDG4, SDG5, SDG8**.

Business meets Technology

http://www.welti.org.ng/

The project is under **Women Economic and Leadership Transformation Initiative** in **Nigeria**.

Women Economic and Leadership Transformation Initiative (WELTI) is a non-profit organization that empowers young women aged 14-30 to become competent and healthy leaders who will leverage technology for sustainable economic development. They've been able to train young women with requisite skills to be able to stand on their feet and own their craft as leaders in various spheres while leveraging technology. They have also been able to give seed funding to such small and medium enterprises to help further the work that they do for more impact to be made. Their ability to walk with the young women from start and through their challenges is amazing hence building a crop of women who regardless of their gender are sure to go places.

The project contributes to WSIS Action Lines: **1, 2, 3, 5**.

The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8**.

USING CBT TO SOLVE MATHEMATICS QUESTIONS

https://computerguildofnigeria.wordpress.com/2014/01/14/aims-and-objectives-computer-guild-of-nigeria/

The project is under **Computer Guild of Nigeria** in **Nigeria**.

Objectives: To expose them to ICT, To teach them how to solve mathematics questions using computer, To inform and educate them on the fundamentals of computing, To make them computer literate

The project contributes to WSIS Action Lines: **1, 2, 3, 5, LEA**.

The project is relevant to **SDG1, SDG2, SDG3, SDG4, SDG5, SDG8**.

Digital Balance for Better

https://www.facebook.com/girlseducationmissioninternational

The project is under **Girls Education Mission International** in **Nigeria**.

Girls Education Mission International (GEM) is a nonprofit, non-governmental organization registered in Nigerian with corporate Affairs commission (CAC/IT/No:45818). We are also registered with special Control Unit Against Money Laundry (SCULM) of the Economic and Financial Crime Commission (RN:SC 321400084). GEM has a special consultative status with United Nations Economic and Social Council (ECOSOC). Our mission is breaking down barriers that hold girls back with a focused - on defending, protecting, and promoting the rights of girls to education, health, technology, and economic power and advocating for their opportunity to fulfil their potentials. Our specific objectives are to: I. Raise awareness of the violence against girls and women and advocating and creating space for scaling up successful policies through opened and inclusive dialogue at all levels of the society. II. Mobilize necessary financial and human resources and other support to fight factors that often hold girls back. III. To identify vulnerable girls and provide them with basic support they need to succeed in their education and beyond. DIGITAL BALANCE FOR BETTER provides digital literacy essential tool for further learning, empowerment and civic engagement among girls and young women. The program is designed to expose young women who are stepping into the job and business market to indebt practical ICT tools and resources that enables prepare for the technology driven workplace.

The project contributes to WSIS Action Lines: **1, 2, 3, 5, HEA**.

The project is relevant to **SDG3, SDG4, SDG5, SDG8**.

ICT FOR GIRLS

https://www.linkedin.com/in/martha-innocent-6a9752bb/?originalSubdomain=ng

The project is under **Eagles Advocacy** in **Nigeria**.

ICT FOR GIRLS training is Eagles Advocacy activity for the year 2020. They visited 6 schools in five local government councils in Gombe State Nigeria. Trained almost 500 Girls on the basics of ICT and word processing before the Covid 19 lockdown. They target rural Girls in public schools and train them. Many girls were able to develop digital skills. Many of them attempted computer based test and passed.

The project contributes to WSIS Action Lines: **3**.

The project is relevant to **SDG4, SDG5, SDG16**.

Broadband Connectivity (Free) Service to Gbaja Girls School

https://www.facebook.com/ekovolt.ng/

The project is under **Ekovolt Telco Limited** in **Nigeria**.

Ekovolt Telco Limited is a small employee owned technology services company revolutionizing broadband access in Nigeria by delivering unlimited, reliable and affordable Internet access to individual users and businesses, local cloud and work productivity solutions.   Ekovolt targets the underserved communities and was recognized by Microsoft Airband Initiative partner for using low-cost wireless technologies to make it easier and more affordable for people to get online and participate in today's economy.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, LEA**.

The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8, SDG16**.

Campaign against child marriage /Neglect to promote digital skills for women and girls in slums setting

https://web.facebook.com/emmanuel.eze.

The project is under **Outlook Humaniterian Care Initiaive** in **Nigeria**.

OHCI plays a key role in delivering the principles outlined in the UN Convention on the Rights of the Child, particularly Article 12, the right of the young person to voice their opinion, have their views listened to and be taken seriously. By engaging young people in social activism, youth work builds citizenship, respect for human rights and a sense of mutual responsibility,youth entrepreneurship an educational practice contributing to women and girls learning and life expectancy, access to information and to give women online.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, BUS, LEA, HEA, EMP**.

The project is relevant to **SDG1, SDG3, SDG5, SDG8**.

Visiola Foundation

https://www.facebook.com/thevisiolafoundation

The project is under **Future Software Resources Ltd**   in **Nigeria**.

Visiola Foundation's programs have directly impacted more than 6,000 girls since 2014, and provide STEM skills training to girls from underserved communities. In the 2019-2020 academic year, they taught Robotics, Computer Programming, Mobile App Development, and Electronics to over 1,500 junior and senior secondary school girls attending poorly resourced government secondary schools across the FCT. They also ran intensive five-week coding boot camps and STEM camps to teach girls and young women valuable skills to help them become employable. A number of these students have secured jobs and have gained admission to university to pursue STEM degrees. Their on-going 2020 virtual STEM programs also give access to girls who are unable to continue their education due to the on-going pandemic and school closures, since they lack electricity and internet access at home.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, LEA, EMP**.
The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8, SDG10**.

Smart Classroom Program
https://mis.rp.ac.rw/storage/attachments/uploaded//Smart%20Classroom%20Design%20Specificat
ions%20and%20Plan%202018%2010%2016%2009:16.pdf

The project is under **Rwanda Education Board** in **Rwanda**.
The "Smart Classroom" program is a concept that was introduced in line with the one laptop per child program and following technology development that could allow to reduce costs and increase access and equity. With the main purpose being to standardize existing computer labs to support 21st century learning, the smart classroom program contributes to ensuring that technology is integrated in all education processes including preparation, delivery of lessons, assessments and research. The physical setup of chairs, tables, and presentation in a classroom can significantly influence learning. Instructional communication theory suggests that seating arrangements can impact how the teachers communicates with students and how the students interact with one another, impacting engagement, motivation, and focus. More than 692 smart classrooms across the country have been set up in schools to improve the quality of teaching and learning. Three options are considered: 1) building and equipping new smart classroom to accommodate 50 students, 2) merging two existing small classrooms into one big classroom for the smart classroom to accommodate 50 students, and 3) remodeling existing small classrooms to accommodate 30 students where building new or merging two classroom is not possible.
The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, LEA**.
The project is relevant to **SDG4, SDG5**.

Wi-fiHome by Beinday
https://beinday.com

The project is under **BEINDAY by INTERFACE SAS** in **Senegal**.
While one in two inhabitants of this planet is currently confined, business life is getting organized. BeInday by Interface sas maximizes the potential of the WI-FI connection in Senegal to promote telework and e-commerce during this period of fight against COVID 19.We have implemented Wifi-Home dedicated to real estate agencies and owners of rental properties. The focus was on "STAY AT HOME" because of the COVID-19 pandemic. The objective is to be able to better adapt its product in the current context.
The project contributes to WSIS Action Lines: **3**.
The project is relevant to **SDG11**.

Digital Hope
https://digitalhopesierraleone.blogspot.com/

The project is under **B-Gifted Foundation   of Sierra Leone /   Maryland University Francis King Carey School of Law** in **Sierra Leone**.

We are using modern technologies to reach vulnerable, marginalized amputees to access information about Covid19 through their cellphones and via public address systems in the communities. The initiative assists those who are doubly marginalized as a result of their physical indifferences knowing that their situation will become even challenging during the Covid19 epidemic.   Persons with Disabilities are traditionally left behind and this is true of Amputees and War Wounded who face a lot of discrimination within the communities they live. The project offers innovative programs that will help them gain useful information during the Covid19 epidemic, attract humanitarian support, develop their residual skills and day to day functional abilities and free PWDs   from being dependent on others and access gainful livelihood opportunities through innovative skills. The project will help eliminate these discrimination by providing the tools that Amputees and War Wounded need to over leap the discrimination and neglect they face in the areas of access to innovative tools, employment,   grant and access and other support.

The project contributes to WSIS Action Lines: **3, LEA**.

The project is relevant to **SDG3, SDG8**.

Molo Mhlaba School

http://www.molomhlaba.org

The project is under **Molo Mhlaba NPC** in **South Africa**.

STEM plays a crucial role in the development of our society, yet faces a staggering under-representation of black women from under-served communities.   We aim to bring this hugely untapped pool of talent   to light.   Molo Mhlaba is a network of nonprofit, low-fee, primary schools in under-served communities, which provides girls with unprecedented access to STEAM (STEM plus Arts) education, going beyond standard educational targets to strive for excellence and innovation. It believes these girls have a right to be inspired by a career in STEAM, and to be given a safe, enjoyable, and supportive environment in which to pursue their goals. Molo Mhlaba aims to provide under-served girls in South Africa with unprecedented access to excellent, local STEAM education, and to positively impact the identity of learners and their families by showcasing what is possible in their communities. The school uses a Montessori curriculum with additional STEAM-based programmes (robotics, computer programming, astronomy, chemistry, contemporary dance and yoga) to deliver a high impact, project-based learning environment. It also invests heavily in outreach programmes, to ensure it can positively impact many more girls than those enrolled;   The high standards of education offered by Molo Mhlaba are guaranteed by: a holistic strategy to tackle the complex challenges preventing girls from achieving their potential; therefore: The school runs from 7:30 to 16:00 so that children of working parents are kept safe and engaged through activities-based after-school programmes;   Learners are served two hot meals and two snacks each day;   The location of the schools is chosen to reduce the travel time and related costs;   a schooling environment designed to set up its teachers for success: smaller classrooms (one teacher and one assistant for 25 children) make for better learning environments and a manageable workload for teachers and their assistants.

The project contributes to WSIS Action Lines: **3, 4, LEA**.

The project is relevant to **SDG4, SDG5, SDG10, SDG16**.

www.BitCoinKasi.com

https://www.facebook.com/malesela

The project is under **Malesela Samuel Mogale Business Enterprise CC** in **South Africa**.
Malesela Samuel Mogale Business Enterprise CC is currently Researching http://www.PDCA.co.za/Fintech.html while empowering and Training Women in South Africa to Code.
The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, LEA**.
The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8**.

Dunia Almadaris (The World of Schools)

https://dunialmadaris.zyrosite.com/

The project is under **Federal Ministry of General Education** in **Sudan**.
Dunia Almadaris (or the World of Schools) project aims to make the issue of education the focus of citizens' attention through citizen knowledge, by involving citizens in collecting data and analyzing educational conditions, and then identifying gaps in the education system and evaluating its performance and pushing for solutions that achieve the goals of the educational system from reaching equity and quality. The project targets a flexible approach with small steps and several stages so that there is effectiveness and positive mobilization of citizens around the issue of education. The success of this model may become the roadmap for mobilizing open data for development issues.   The vision of the project is to bridge the gaps between schools and children in access, equity, and quality in education through communication, information and educational technology. These gaps can be reduced by reducing the digital divide between children by connecting schools to the Internet and providing electronic educational content using appropriate technologies that can fit into the context of the place with a plan for continuous improvement. The objective of the project is to close the information gap (and loop) about the conditions of schools and students to enable the Ministry, partners and actors in the education system to develop plans to achieve equity in learning opportunities. The project will enable the government to implement projects with the Universal Access Fund.
The project contributes to WSIS Action Lines: **1, 3, GOV, 8, 10**.
The project is relevant to **SDG4, SDG9, SDG16**.

SmartGirlz in ICT Competitions

https://www.coict.udsm.ac.tz/

The project is under **College of ICT, University of Dar es Salaam** in **United Republic of Tanzania**. This is a consortium made up of Innovation units at the college of ICT of the University of dar es Salaam (The ICT incubator-UDICTI & Youth for Children (Y4C) innovation Hub, Tanzania Data Lab (dLab), and the ICT Commission of Tanzania. The consortium's   main objective is to support and empower girls and young women to join ICT professional. Target audience are secondary school

girls.   The main activities are trainings on theory, soft and technical skills, competitions and career awareness to secondary schools girls through exhibitions and motivational talks to be delivered during the International ITU's Girls in ICT day of each year. The day is celebrated every year on the fourth Thursday of the month of April.

The project contributes to WSIS Action Lines: **2, 3, HEA**.

The project is relevant to **SDG3, SDG5, SDG8**.

Skills Development in STEM

https://www.dit.ac.tz

The project is under **Dar es salaam Institute of Technology** in **United Republic of Tanzania**.

Dar es salaam Institute of Technology (DIT) is a training institute offering programs in STEM. The vision is to become the leading technical education institution in addressing societal needs. The mission is to provide competence based technical education through training, research, innovation and development of appropriate technology. DIT has training programmes in the disciplines of Electrical Engineering, Mechanical Engineering, Civil Engineering, Computer Studies, Laboratory Science and Technology, Electronics and Telecommunications Engineering, Leather product technology . DIT engage in applied research and development, provide consultancy services to the Government, Parastatal bodies or industries and such other bodies or organizations. Establish and foster closer cooperation with the universities, technical colleges and other institutions of higher learning and promote international cooperation with similar institutions. DIT has gender sensitization campaign and outreach programmes aimed at attracting girls and women to engage in science, technology, engineering and mathematics so as to develop carrier that will enable them to participate in all social- economic development avenues in their community and the world in general. Other outreach programmes involve visiting secondary schools for the purpose of sensitizing girls to join STEM programmes offered by DIT. These campaigns have changed the attitudes of girls and parents to a great extent towards science, technology, engineering and mathematics, as number of girls in these programmes has been increasing each academic year. Programmes like Mechanical Engineering in the past ten year couldn't have a single female student in the intake   of about 100 students. In 2018 ten secondary schools were visited for sensitization and each schools was given an average of eighteen science books as donation. The enrollment study in the period between 2013/2014 academic year and 2016/2017 showed a steady increase of number of girls enrolled.

The project contributes to WSIS Action Lines: **3, 4, LEA**.

The project is relevant to **SDG4, SDG5**.

Initiative: Digital Inclusion for Young Women and Girls in Tanzania

https://www.nm-aist.ac.tz

The project is under **Nelson Mandela African Institution of Science and Technology** in **United Republic of Tanzania**.

In this digital era, women participation and empowerment in Information and Communication Technology (ICTs) is vital and can contribute to global social-economic development. However, a

gap still exists between women and men in ICTs, especially in developing countries. For instance, the International Telecommunication Union (ITU) reports that the proportional of women who have access and use the internet in Africa is a quarter less than that of men. Additionally, African school on Internet Governance (AfriSIG) reported that low digital literacy and confidence are some of the major barriers that hinder digital inclusion on gender (AfriSIG, 2019). It is against this background that Irene Evarist Beebwa who is currently pursuing a Master's Degree in Information and Communication Science and Engineering is participating in various activities in order to enhance the digital inclusion for girls and young women in Tanzania. As a Master's Degree Student at Nelson Mandela African Institution of Science and Technology (NM-AIST), Irene has been actively involved in various outreach programs including Soapbox Science and Science, Technology, Engineering and Mathematics (STEM) promotional events. Objectives - To encourage Tanzanian girls and young women to take up studies and career in ICTs - To reduce the gap in gender digital divide - To contribute to the sustainability of STEM outreach programs through capacity building of STEM ambassadors This is a platform that promotes Women in Science (WiS) and the science they do through inspirational talks in public events. Public events are conducted as a platform for girls and women to learn through questions and interactions. Irene participates in public events in Tanzania to inspire other young girls from the Science she is doing. Apart from inspirational talks, Irene Beebwa also participates as a volunteer in capacity building of Students and Teachers from various Secondary Schools in Tanzania on basic ICT applications and good practice of Internet usage

The project contributes to WSIS Action Lines: **3, 4, LEA**.

The project is relevant to **SDG4, SDG5**.

Science Camp for A-Level Female students taking Physics and Mathematics

https://udsm.ac.tz/web/index.php/site/contact-us

The project is under **University of Dar es Salaam** in **United Republic of Tanzania**.

The main objectives are the following 1. Encourage and support female students in A-level to continue in Physics, Mathematics and technology related subjects at University level. 2. Strengthen their Physics/Mathematics knowledge in selected topics in A-level syllabus. 3. Strengthen their practical skills through hands-on demonstrations and practical sessions. 4. Enlighten the female students about the career path opportunities for those studying mathematics and physics. 5. Provide mentors for these students in order to build their interest and confidence. 6. To strengthen the capacity of A- level teachers in mathematics and physics.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, LEA**.

The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8**.

CyerDadaz

https://cyberjamii.or.tz

The project is under **Cyberjamii Organization** in **United Republic of Tanzania**.

CyberDadaz focusing on cybersecurity awareness only for girls. The following are the target

audience   1. All girls in primary and secondary schools.   2. Girls with interest and passion in technology and cybersecurity in colleges/institutes or universities   3. Girls/women who are working in technology and cybersecurity area in both government and private sectors   The following are the objectives   1.Upskilling girls with passion and interest in technology and digital security through virtual and physical training.   2.Promoting awareness to girls about digital safety   3. Bridge a gap between women and men in cybersecurity by encouraging girls in schools, colleges, and universities to take technology and cybersecurity-related studies.   4. Mentoring young girls in schools, colleges, or universities through mentoring sessions with women in technology and cybersecurity field.   5. Work with other organizations to assists women in technology with relevant skills and resources required for their goals.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, LEA**.

The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8**.

Technology for Gender Empowerment and Employability

https://www.facebook.com/helptohelpse

The project is under **Help to Help** in **United Republic of Tanzania**.

Whenever one woman has access to computer three men have it this means when one man has access to computer no woman will have access to computers at all. Employers access that 40% of job seekers don't have basic ICT skills required for employment. Considering the fact that women have limited access to computer then they are the majority who misses employment opportunities and fall victim of the 40%. This is why Help to Help came up with Technology for Gender Empowerment and Employability ICT boot camp.   Technology for Gender Empowerment and Employability (TGEE) ICT Boot Camp is an ICT capacity building, mentorship and training with the aim to equip young women with ICT skills. It is a six months' program with an initiation of six-day ICT and soft skills training. In September 2015 Help to Help officially launched the first TGEE IT Boot Camp. From 2015 to 2017 Help to Help conducted one TGEE IT Boot Camp per year. The story changed in 2019 after Ms. Epifania Mhagama taking a lead in the project and expanding it all over Tanzania which resulted in impacting more than 5,000 young women with ICT skills necessary for labor market. The training results into employment opportunities for these young women or self-employment as a result of the skills gained.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, LEA**.

The project is relevant to **SDG2, SDG3, SDG4, SDG5, SDG8**.

Access and Use of ICTs

https://www.digitalwomanuganda.org/publications/

The project is under **Digital Woman Uganda**

Digital Woman Uganda is a Civic-tech and Digital Rights Advocacy organization – operating an ICT powered model to extend the literacy and skills of an eco-system economy that the world currently operates in to a woman/ girl child. Preparing the African woman/ girls to be able to be competitive and self-sustaining in the Digital World. Our major objectives target around Community

Advocacy on Digital Skills, Advocacy for Digital Rights and Training and Research and Innovation.
The project contributes to WSIS Action Lines: **1, 2, 3, 5, LEA**.
The project is relevant to **SDG3, SDG4, SDG5, SDG8**.

Digital Grassroots
https://digitalgrassroots.org/

The project is under **Digital Grassroots** in **Zambia**.
Digital Grassroots is a female led organization formed by youth in multiple countries to achieve 3 objectives: (1) Engage youth in internet governance (2) Connect grassroots communities to institutions that enhance their autonomy in digital citizenship (3) Create services that respond to the digital needs of underserved communities.   Digital Grassroots has so far created 7 programs, benefiting over 140 youth and over 50 experts in at least 73 countries. 52 percent of program beneficiaries and allies are female. The core activities of Digital Grassroots, also known as DIGRA, include: Ambassadors Program: A 3 month program that introduces youth from underrepresented communities to internet governance issues and provides a pathway for the youth to engage their local community on activities that promote digital citizenship. Through the program mentorship, participants leverage connections with internet governance experts and learn how to contribute to shaping internet policies as newcomers.   Community Leaders Program: A 2 month program that creates collaboration among local leaders to engage with tools for open campaigning towards Internet Health. Our program enables people in underrepresented regions to assess the state of the Internet in their community and share their stories on the challenges and opportunities encountered.
The project contributes to WSIS Action Lines: **1, 2, 3, 5**.
The project is relevant to **SDG3, SDG4, SDG5**.

Leadership Economic Mentorship Hubs (LEMHs)
http://tagalife.org.zw/

The project is under **Tag a Life International (TaLI)** in **Zimbabwe**.
Tag a Life International(TaLI) is an Adolescent Girls and Young Women (AGYW)'s rights organisation that envisions a world were girls and young women are allowed to   dream and become the best they can be.   The organisation creates Voice, body ownership and Agency in girls to claim their rights, and to make movements with others to amplify their voices. Working in Community through our Leadership Economic Mentorship Hubs (LEMHs) programme, we train them on SRHR-HIV/AIDS, access and opportunities to ICT, Economic Empowerment, GBV, Environment and Climate, Education and Psycho Social Support of victims of abuse, Leadership participation and most recently Covid-19 response. We advance girls rights through advocacy and most recently led the change of the education laws through our campaign 'Every Child In School - ECIS' which brought about thus the 'Education Amendment Act' and the Secretary's Circular 3 of 2019.   The LEMHs programme is divided into three stages which are: 1. Leadership Training 2. Youths Engaging Local Leaders (YELL) 3. Youth Engaging in Hubs (YEIH) To support the young leaders

with their overall 1 year leadership journey and movements work in their communities.

The project contributes to WSIS Action Lines: **1, 2, 3, 5**.

The project is relevant to **SDG3, SDG5**.

Practical Electronics Zimbabwe

https://www.practicalelectronics.co.zw

The project is under **Chiratidzo Charakupa** in **Zimbabwe**.

Practical Electronics is a capacity building technology blog aimed at equipping Africans like you and me with practical digital technology skills, thus, helping address the mismatch between skills of the available workforce and job vacancies.   The Practical Electronics technology blog seeks to enable any individual with a desire to expand their skill set to acquire the basic concepts behind the digital devices they use on a daily basis, thus, addressing SDG 4 and WSIS action line ALC4. Through the practical sessions present at the end of each blog post, the reader will manage to gain a thorough appreciation of each topic introduced. Through these short, informative blog posts, the reader will acquire the much needed practical digital skills needed to thrive in this ever-changing technology based society.

The project contributes to WSIS Action Lines: **4**.

The project is relevant to **SDG4**.

AL C4. Capacity building

BTC Kitsong Centres Project - empowering youth through access to ICT services
http://www.btc.bw/

The project is under **Botswana Telecommunications Corporation Limited** in **Botswana**.

The Kitsong Centres were established by the Government of Botswana through the Ministry of Transport and Communications, as part of Nteletsa II project to serve as avenues for providing universal access to Information and Communications Technology (ICT) services to rural communities. The services provided include telephone, internet services, and basic business services such as typing, printing, photo copying scanning and faxing. The aims were to enable communities with computer literacy skills as well as for the Centres to run as for-profit business centres, to generate income for local village development projects. BTC has 149 Kitsong Centres in operation. BTC has recently partnered with a local bank to roll out an enterpreneurship programme. This is an employablility and skills upgrade initiative that helps to train and equip young people for the workplace and for entrepreuneurship . The initiative aims to bridge the divide between business skills training and the world of work/business.   This project is BTC's initiative to further upskill and develop remote regions that would otherwise not have access to such services and education.

The project contributes to WSIS Action Lines: **1, 3, 4**.

The project is relevant to **SDG1, SDG3, SDG4, SDG8**.

Technology Entrepreneurship and ICT Leadership Accelerator

https://helenarca.org/2021/01/08/accelerateur-dentreprenariat-technologique-et-leadership-des-tic-en-republique-centrafricaine/

The project is under **Association Helena** in **Central African Republic**.
There is great potential for post conflict countries to reform administration with fostering a culture of International commitment. As part of the Priority Program Priority Area of Economic Growth and Development, we are proposing to develop and operate a Technology Entrepreneurship and ICT Leadership Accelerator program for start-up and early stage technology company founders and managers with the goals of assisting and mentoring the early stage company founders and managers to increase their potential for building successful and viable businesses, furthering their overall ICT leadership capacity, contributing to fostering a culture of entrepreneurship, providing strategy to enhance the government members' capacity to support their efforts in order to implement SDGs and fulfill international commitment in the Central African Republic and developing a network of technology entrepreneurs.
The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, 6, BUS, LEA, HEA, ENV, AGR, 8, 11**.
The project is relevant to **SDG5, SDG8, SDG9, SDG10, SDG12, SDG17**.

Job house manager

https://twitter.com/AlerteOngdh

The project is under **ONGDH .Mouvement Alerte** in **Democratic Republic of the Congo**.
We have given jobs to more than 200 young girl mothers who were married early in the different

households to make the girl mothers smile again.
A project launched since January 2020, which has given a smile to more than 300 young girls aged 14 to 18 who were married early, leading a difficult life in the care of their children. Thanks to service, we were able to give a smile to these mother girls in the remote areas of the city of Kinshasa.
The project contributes to WSIS Action Lines: **4**.
The project is relevant to **SDG4, SDG8**.

Coronavirus and its Impact on the Sustainable Development Goals
https://www.facebook.com/OutreachSocialCareProjectOscar/

The project is under **Outreach Social Care Project- OSCAR** in **South Africa**.
"Outreach Social Care Project is a grass-roots non-profit organization based in South Africa and Democratic Republic of Congo since 2008, working with disadvantaged and underprivileged communities in townships and rural areas.   The organization has undertaken the initiative that delivered to and supported people affected and infected by COVID- 19, through the provision of prevention, awareness, livelihood as well the psychosocial support.   South Africa like the rest of the world is gripped by the coronavirus pandemic. Social distancing, promulgated as the most effective way to curb the spread of infection, is impractical for rural and informal settlements in South Africa, where people live in close-knit communities both physically and socially and lack basic housing, water and sanitation facilities. Many models point to the burden of disease being highest amongst poor people because of higher incidences of TB and HIV and weak and overburdened health services."
The project contributes to WSIS Action Lines: **4, HEA**.
The project is relevant to **SDG3, SDG5**.

TEG Campus
https://tegcampus.com/

The project is under **GITGE** in **Equatorial Guinea**.
The Teg Campus is the first technological event in Equatorial Guinea and arose within the framework of the Gitge's Corporate Social Responsibility activities. One of the objectives is to raise awareness, train and educate youth to give them the keys that will allow them to embrace opportunities and face world challenges with a common, globalized and connected destiny. Instill in African youth an entrepreneurial spirit that can cope with the rising unemployment of skilled youth on the continent, directing them towards self-entrepreneurship and the creation of successful Start-Ups.   The Online version of the event is the largest online Tech Event in Africa at the current date. The format of the event is unique integrating a Hackathon, Makeathon, Game contests, workshops and panel discussion
Since the start of the event in 2018, TEG Campus created communities dedicated to code development, gaming, 3D design.   Woman participation in the event has increased since the first edition. The second edition and the third edition there have been woman winners in the hackathon.
In the first edition, the event had 2500 visitants and 198 participants in the contest. In 2019, more

than 7595 visitants and 454 participants.　In 2020 the event went online due to the pandemic but were able to have 657 online participants in the diferents contests and not online local participants
The project contributes to WSIS Action Lines: **4**.
The project is relevant to **SDG8**.

Huawei DigiTruck in Kenya
https://www.huawei.com/minisite/tech4all/en/digitruck.html

The project is under **Huawei Technologies Co Ltd** in **China**.
Huawei and the Belgian NGO Close the Gap have built a mobile, solar-powered classroom with the aim of bringing digital skills to under-served communities in Kenya. A converted shipping container on wheels, DigiTruck can get to where it's needed most, reaching communities that conventional classrooms can't. Equipped with 20 laptops, 20 smartphones, VR Headsets, and internet delivered through mobile broadband, each DigiTruck serves as a temporary digital school that provides free classes and resources to help youth study, work, trade and transact online.　Huawei DigiTruck in Kenya works closely with NGO partner Computers For Schools Kenya to provide locally relevant training, with international partners GSMA and UNESCO on curriculum development, with the Ministry of ICT's National Youth Council (NYC) and Ajira Initiative, as well as local County government to ensure sustainable impact, engage policy makers in the broader digital literacy agenda, and deliver synergies. For example, Ajira is setting up Youth Empowerment Centers with free internet the youth can use after are trained, runs online courses, and provides a platform to gain

online work.   Up to Dec. 2020, more than 1,300 students and teachers in 13 villages have received over 22,000 hours of training.

The project contributes to WSIS Action Lines: **1, 3, 4, 5, BUS, LEA, EMP**.

The project is relevant to **SDG4, SDG5, SDG8, SDG10**.

The Visiola Foundation

https://www.visiolafoundation.org/
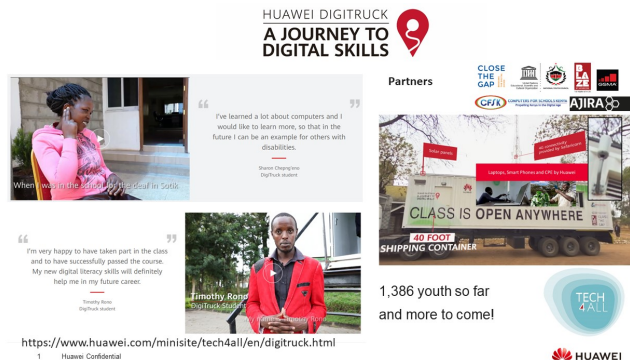
The project is under **TLcom Capital** in **Kenya**.

"The Visiola Foundation's educates, trains, and mentors African girls and young women from underserved communities in the science, technology, engineering, and math (STEM) fields. The Foundation was created to empower girls and women through education, training, and mentoring in the science, technology, engineering, and math (STEM) fields. As well as provides training in Robotics, Electronics, Mechanics, Computer Programming, and Mobile App Development to design and launch viable tech-enabled enterprises. Its STEM focus is to directly address the high rates of unemployment, especially among the youth, by strengthening the technical skills of youth to make them employable or competent technology-enabled entrepreneurs. The Foundation especially targets girls and young women as they remain economically disadvantaged across all spheres of life, and are gravely under-represented in the technical fields.   Programs include: 1. The Foundation's After-School STEM Clubs for Girls (ASCG) is designed to bridge the knowledge and experiential learning gaps in the public education system by teaching students science, technology, engineering, and math (STEM) theories and concepts that they can apply in conducting experiments and in building projects and prototypes.   2. The Visiola Foundation's Coding Boot Camp is an intensive five-week training program that provides participants with a strong foundation upon which to build their careers as computer programmers and tech entrepreneurs. Students are exposed to various programming languages, coding practices and ethics, graphic design, how to ace job interviews and many more.   3. The Visiola Foundation's STEM Summer Camp for Teenage Girls is an exciting week-long residence program designed to pique the interest of women in the STEM fields from an early age.

The project contributes to WSIS Action Lines: **1, 2, 4, 5, LEA**.

The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8**.

Access to Digital Skills for Employability and Gender Equality

https://web.facebook.com/AngazaKilifi

The project is under **Angaza Youth Initiative** in **Kenya**.

Angaza Initiative was established in November 2018 and fully registered in February 2019. We are an independent youth-led and serving organization based in Kilifi North Sub-County, Kilifi County, Kenya. We constitute of youth champions whose best interest is to promote Sexual Reproductive health and Rights (SRHR), Elimination of Gender-Based Violence (GBV), Promoting Peace and Counter Violence Extremism (PCVE) prevention in the community and advancing Social Economic Empowerment among Adolescent and young people (AYP) and special populations e.g. People with Disabilities (PWD). We work closely with Government, Non-Government Organizations, Development partners, and civil societies aligned in our areas of focus. Our programs are participatory and interactive. We envision growing to be an organization with global standards that will provide empowerment, global services, and products with core interest in education for sustainable youth's future. Our guiding mission is to transform the lives of adolescent girls and young women in Kilifi County by unleashing their full potential. To date, we have transformed fifty thousand young women's lives through our community forums, roundtables, training, talent show, advocacy, and research in all our focus areas.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, LEA, EMP**.

The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG7, SDG9, SDG16**.

Abetec-Cisco Networking Academy

https://abetec.co.ke/

The project is under **Abetec Business Solutions** in **Kenya**.

Abetec Business Solutions is Cisco Networking Academy where we equip young people especially girls with skills to become more competitive in the Job market and also as a way of empowering them to start their own income generating activities and use the digital skills learned to become more Visible in the market. We target young people and women between the ages of 15-45 years old from in Peri-Urban and rural areas because they have limited resources compared to their peers in urban areas. Our programs include Entrepreneurship, Digital literacy and Cisco Certification courses. Our main objective is to help in Job Creation, eradication of poverty and productive work force to with the aim of supporting the SDGs1 & 8. We have trained over 300 girls and women so far, 55% have opted to pursue career in technology related course after we give them the foundation. 30% Work in IT related fields and 15% use the digital skills to improve their Businesses.

The project contributes to WSIS Action Lines: **3, 4**.

The project is relevant to **SDG1, SDG8**.

Yielding Accomplished African Women

https://www.accomplishedafricanwomen.org/

The project is under **Legacy Softwares** in **Kenya**.

We are West Africa's first finance and technology talent accelerator. Yielding Accomplished African Women aims at erecting and delivering the largest community of African female developers and financial analysts who are passionate about using STEM to revolutionize Africa and beyond. We use a 360 approach to professional development that inculcates young women with the necessary qualitative and quantitative skills necessary for the future of work. Our world class curriculum includes: • Professional Development: Leadership Networking, Personal Branding, Digital Branding & Marketing, Professional Etiquette, Written Communication, Oral Presentations   • Finance: Financial Modeling & Valuation, Excel Shortcuts, Financial Statement Analysis   • Technology: Python, PHP, Django and front-end development   The minds behind the curriculum includes experts from Google, Capital One, Goldman Sachs, JP Morgan Chase & Co and Brown University. We then match them to experiential learning experiences in the form of jobs, internships, real-time projects, and externships. We have successfully implemented workshops + online programs to service over 500 young women in Africa. We have partnered with top rated and globally recognized partners such as Bank of America, Microsoft, Leti Arts, the Meltwater Foundation, US Embassy, Ghana Tech Summit and many more! Face2Face Africa has named our founder, Diana Wilson, "The Next Mark Zuckerberg". Our work has been featured by MTV, Face2Face Africa, Google, Blavity, GH One TV, Starr FM, Africa Tech Summit and etc.

The project contributes to WSIS Action Lines: **3, 4**.

The project is relevant to **SDG5, SDG8**.

SWIFT Codes Initiative (Sisters Working in Film Fashion Farming Technology and Coding)

https://geminstitute.godaddysites.com

The project is under **Lesotho National Commission for UNESCO** in **Lesotho**.

GEM Institute is a social enterprise community based innovation hub that creates a safe spaces platforms for young women to function in sectors that are male dominated in technology, creative industries such as film and agricultures as a way to prepare them for a dignified livelihoods. In turn they transfer their skills to girls in schools and older women who already have established organisations to help them adapting to technological advancements. This has yielded in working with more than 30 schools and 3 community organisations in the farming sector.

The project contributes to WSIS Action Lines: **1, 2, 4, 5, 8**.

The project is relevant to **SDG4, SDG5, SDG9**.

takenoLAB

http://takenolab.com/

The project is under **TakenoLab** in **Malawi**.

Since takenoLAB's founding, the project has trained over 700 refugees and host community members in and around Dzaleka. From these trainings, graduates have created products and apps that are helping to make everyday lives in Dzaleka easier. Among others include, the designing of Bulk SMS System that facilitates mass sms communication in the refugee camp of Dzaleka. The Bulk SMS System is now used to notify the community about different important updates in community like the World Food Program's monthly food distribution.   Previously, the community only received these updates by word of mouth, which often caused unnecessary queuing and delays. With the new SMS system, families know when and where to report for distributions, saving valuable time for business, education, and other daily activities.   In the education sector, takenoLAB developed an app called MASSA for Jesuit Worldwide Learning's (JWL) higher education program. At JWL, the operations team was using printed excel sheets to track the coming and going of expensive tech and study equipment. To reduce human error in tracking their inventory, takenoLAB built for them a product that automated the entire system, tracking the students' check-ins and check-outs through their student ID card.   Individual graduates of takenoLAB courses have also gone on to start their own businesses and initiatives, ranging from graphic design centers to music production offices. Equipped with the technology tools to manage and enhance their businesses, these graduates have a competitive edge in the Dzaleka market

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, 8, 10**.

The project is relevant to **SDG1, SDG4, SDG8, SDG11**.

Musodev Code Academy

http://www.codeacademy.musodev.com/

The project is under **Association for the Promotion of Woemens trougtht ICT** in **Mali**.

Musodev in its mission of the future generation of female talents in ICT initiated the MUSODEV CODE ACADEMY (MUSCOA) project. It is a 9-month training program including 3 months of internship. According to the ITU in 2020 nearly two million jobs in the ICT sector will disappear for lack of skills, so it is more than urgent to take action on the ground to reduce this number and reverse the trend .Through MUSCOA we want: offer women and girls high-quality vocational training adapted to the job market;   To initiate, train and strengthen women and girls in digital professions;   Promote digital inclusion in the gender disparities in ICT;   Promote the empowerment of women and girls through ICTs;   For the first edition, four sectors are available, namely: web and mobile development, web marketing and Community Management.   In order to achieve the set objectives, we have developed the IDA (Digital Inclusion, Skills Development and Support) approach.   Digital inclusion   We are working to reduce the digital divide among women and girls, so that they are socio-economically empowered.   Skills development For digital inclusion to be effective and to be a reality, it is essential to prioritize the development of skills through training, learning techniques and tools, which is why we attach particular importance to this.   Support   Empowering women and girls is a whole process and we have understood it well at MUSCOA, which is why we make sure to support our learners in several ways (coaching, mentoring, professional integration, scholarships, entrepreneurship etc.)

The project contributes to WSIS Action Lines: **1, 3, 4, EMP**.

The project is relevant to **SDG4, SDG5, SDG8, SDG10, SDG16, SDG17**.

MUVA Tech

https://muvamoz.co.mz/

The project is under **MUVA**   in **Mozambique**.

In an increasingly digital world, women are still excluded on a daily basis from access to information and communication technologies. Women and socio-economic disadvantaged groups are still marginalized, and the digital gap continues to increase. Changing this reality is not just about having opportunities to improve a person's future prospects; it is, above all, a question of human rights. MUVA Tech awakens the awareness and interest of young women in the technology industries, and stimulates this interest, providing them with training to develop the basic skills to access their first job. MUVA Tech´s main objective was empowering young women with digital and soft skills that would allow them to better access job opportunities. The project also wanted to contribute to elevating the number of talents in the ICT labour force market, placing young women who could, after their participation in the project, undertake entry level jobs in ICT (a market still mainly dominated by their male pears). MUVA Tech looked at the hypothesis that a training focused on digital literacy combined with soft skills would increase the opportunities young women would have to access to decent job opportunities, or pursue carriers in tech.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, LEA**.

The project is relevant to **SDG1, SDG2, SDG3, SDG4, SDG5, SDG8**.

MakeHER Space

https://wtec.org.ng/make-her-space/

The project is under **Women's Technology Empowerment Centre** in **Nigeria**.

MakeHer Space project is an initiative by W.TEC, designed to teach girls to create technology and engineering-based solutions that solve problems in their communities, provide information about career options and exposes them to women working successfully in STEAM. Objectives: •Teach the students to create technology and engineering-based solutions that solve problems in their communities. •Help the young women hone their abilities to work in teams, as they will work in teams on technology and engineering-centered projects •Help the young women develop marketable and practical skills in and an appreciation of technology, art design, engineering, maths and critical thinking. •Connect the girls with and prepare them for further education and career opportunities in STEAM and/or entrepreneurship. The project was initially planned to run as a face to face programme but was transformed to run in an online setting due to the outbreak of the COVID-19 pandemic. The pilot programme which ran from May till November 2020 saw 88 girls through intensive training on Website Design, 3D Modelling, Video Marketing and Market Research and Analysis. Training held in 6 cohorts, 4 times a week with wonderful success stories from

participants.

The project contributes to WSIS Action Lines: **4**.

The project is relevant to **SDG5**.

HETAVED SKILLS ACADEMY FOR INNOVATIONS AND ENTERPRENEURSHIP is an innovative approach to Digital Entrepreneurship education

https://hetaved-skills-academy.teachable.com

The project is under **HETAVED SKILLS ACADEMY FOR INNOVATIONS AND ENTREPRENEURSHIP** in **Nigeria**.

We train and mentor the younger generation through digital,online and virtual platforms towards sustainable Innovations for development and jobs creation. Especially, we target the gender folks for training and empowerment. So far, we have trained and empower over 25000000 on different soft sustainable skills and digital, social media and green enterprises formulation, management and scaling. We also render consultancies on Digital Technology to public and private institutions towards mass development and empowerment.

The project contributes to WSIS Action Lines: **1, 3, 4, 5, GOV**.

The project is relevant to **SDG1, SDG2, SDG3, SDG4, SDG5, SDG6, SDG9, SDG11**.

The Project Kuongaza Initative
https://www.stemiafrica.org

The project is under **STEMi Makers Africa** in **Nigeria**.
Project Kuongoza addresses the leaky unemployment pipeline, underrepresentation of women in STEM and gender digital divide across Sub-Saharan Africa. Globally, the number of jobs in STEM fields increased 36% from 10.2 million in 2008 to 26.5 million jobs in 2014, yet there are over 80.6 million underskilled women who can not embrace STEM opportunities in the continent. Over 90% of jobs worldwide have a digital component and require sophisticated digital skills. Project Kuongoza prioritizes training in the STEM field to provide technical skills, STEM tools and employment opportunities for women and girls aged 15-25, to help them thrive in an economy where routine work is automated and digital skills are valued. Their solution is a first-to-market initiative that combines outsourcing, and employment opportunities in STEM to help women access new markets, work flexibly and integrate these learned skills - after they are digitally trained. Through Project Kuongoza, they are building a society that guarantees equal access to socio-economic, equitable opportunities for all and protection of girl-child education.   Project Kuongoza develops an ecosystem of skilled women talents across the entire STEM lifecycle with structured contents, well arranged online pool of resources and Artificial Intelligence support for reinforcing knowledge and skills. It is seamless, customizable, non-obtrusive where users are able to create their own learning path and consume knowledge/resources at their own pace. They also connect organizations and STEM-ready talents through remote model to jobs, projects, internships/mentorship. This e-recruitment design matches top women talents for best organization practices and efficiency.
The project contributes to WSIS Action Lines: **4, 6, LEA**.
The project is relevant to **SDG4, SDG5, SDG8**.

Free ICT training for girl Children and less privileged youths

https://g.page/aplus-computer-training-tech/review?ad

The project is under **A+ Computer Training Technology Limited** in **Nigeria**.

A+ computer Training Technology, is an innovative ICT training institute that specialized on providing professional and certification ICT training programs for career and educational advance for human capital development. The institute has trained and graduated about 6,785 students on various I.T programs. In it quest to contribute to skills acquisition training, the institute over the years of existence of 10 years have been able to be providing free ICT training to girls and less privileges youths that are interested in adding value to their lives as part of the institute social and cooperate responsibilities. Following the success stories of the institute from our trainees, the federal and state government have been able to partner with the institute by appointing A+ computer as the only private EDI center for CBN, master trainer for ITF, NDE, PICTDA, PLASMIDA to be providing training on their behalf and also to make sure that all our trainees gain internship after training etc.   In Plateau state, Nigeria. We have about 285 girl child that have benefited from our free ICT training and most have been employed after training with us through the free ICT training. Our institute have be able to engaged on mentorship of women in tech in Jos.

The project contributes to WSIS Action Lines: **4, 6, LEA**.

The project is relevant to **SDG4, SDG5, SDG8**

Women in Agricultural Extension Services(WAGES) Mobile
https://www.beauhavenfarms.com.ng/

The project is under **Beau Haven Farms** in **Nigeria**.
Beau Haven Farms is one of the fast growing, productive and focused integrated farm in Nigeria. Our goal is to encourage and support a new generation of women entrepreneurial farmers. We provide start-up farms and flexible ICT trainings and skills building opportunities as well important connections to peer, mentor and community networks. Our mission is to promote sustainable agriculture for development of the vulnerable small-scale farmers. We achieve this through education, training and work with disadvantaged small scale farming communities on sustainable organic agriculture in Nigeria.   Up till date, Beau Haven Farms has a profound influence on vulnerable communities especially girls and women. Through cutting - edge digital technology and self-help approaches, the organization promotes sustainable solutions to the financial, agricultural challenges facing women in rural communities.   Since 2018, the organisation has been involved in various agriculture education empowering and educating women farmers through digital literacy. Our major objectives are: -To promote commercial production and increase the local consumption of yellow cassava varieties that is rich in vitamin A in Nigeria through technology.   -To promote adoption of production technologies for enhancing sweet cassava yields.   -To optimally utilize their ICTs for purposes such as strategic learning, monitoring, evaluation, scaling, communication and stakeholder engagement.   Our mobile agriculture tools have enabled more tha10, 000 poor women farmers in Nigeria to increase their productivity and earn more for their families.   With the aim of combating childhood malnutrition, the organisation is promoting and facilitating expanded production and consumption of highly nutritious, biofortified cassava in Nigeria through Women Agricultural Extension Services (WAGES mobile).
The project contributes to WSIS Action Lines: **1, 3, 4, 5, BUS, LEA**.
The project is relevant to **SDG1, SDG2, SDG3, SDG4, SDG5, SDG8**.

LEARN - Inspire A Child

http://www.fliplearnkids.com/

The project is under **Unites Cisco Networking Academy** in **Nigeria**.

Inspire a Child is a social impact initiative for young girls in low income/public secondary schools in Nigeria established by FliplearnKids, Nigeria. Every second children are born into the world, some will never succeed or see their dreams and aspirations become a reality, but the saddest are those who do not have dreams or can't afford to because of the various challenges they face in life. In most cases young girls from low income family are highly at risk as they are married off early, engaged in hawking or become victims of sexual violence. Inspire A Child brings together individuals/entrepreneurs/educators/professionals/CNN Heroes from around the globe who have shown resilience in pursuing their dreams, to communicate with young girls in low income /public secondary schools right there in the classroom, and possibly, for those few minutes create a spark that would ignite a vision of future possibilities. Since its inception to date, IAC has engaged over 1,000 school girls in Kano, Abeokuta, Ijebu-Ode, Lagos and Osun in Nigeria. We have grown from one-chapter presence in Lagos to 4 chapters (Lagos, Abeokuta, Ogbomosho and Ijebu-Ode with plans for further expansion.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, LEA**.

The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8**.

Technovation Girls Challenge

https://mobile.facebook.com/technovationglobal/

The project is under **Technovation** in **Nigeria**.

Technovation is a global tech education nonprofit that empowers girls and families to become leaders, creators and problem – solvers. We offer two programs Technovation Girls and Technovation Families which bring kids and adults together to solve big problems in their communities. We have two programs a)Technovation Girls b)Technovation Families Technovation Girls Equips young women (ages 10-18) to become tech entrepreneurs and leaders. With the support of volunteer, mentors, girls work in teams to code mobile apps that address real-world problems. Technovation Families Brings together families, schools and mentors to learn, play and create with artificial intelligence through hands on projects, children (ages 8-16) and adults learn and use AI tools to address real-world problems. Our mission is to open up the fields of science, technology, engineering, mathematics (STEM) to children, particularly the underserved and especially girls, so that they are encouraged and enabled to pursue a professional education and career . The goal of Technovation is to develop and instill a greater understanding of the engineering design process, a mindset of curiosity, creativity and persistence – essential prerequisites for success in the fields of STEM. Technovation inspires girls and families to be leaders and problem solvers in their lives and in their community. A world where people in under deserved communities have strengthened and amplified their collective capacity to address challenging problems using engineering and technology.Doing so successfully requires a commitment to sustained engagement to impact scale and to advancing the state.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, LEA**.
The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8**.

![TECHNOVATION logo]

TECH for Women's Health(TECHWomen): Improving Women's Reproductive Health Through Technology
https://www.facebook.com/icehdNG/posts/3441992502579423

The project is under **International Centre for Environmental Health and Development (ICEHD)** in **Nigeria**.

ICEHD is a non- profit organization that focuses on activities that promotes the right to a clean environment, right to health (particularly women's sexual and reproductive health and the right to development.   ICEHD provides information on climate resilience, environmental intervention, access to clean water and sanitary systems, menstrual hygiene education for girls, undertakes training and capacity building programs for female birth attendants to increase their ability to provide quality healthcare services to rural women and girls, training in technology, internet and computer skills for women and girls and female birth attendants to enable access to standard health information, record keeping and employability.   Target audience are women and girls in rural communities and villages   Major objectives are to improve the environment; promote the health of women and girls, empower women and girls; promote their right to development.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, LEA**.
The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8, SDG10, SDG16**.

CLICK-ON KADUNA DIGITAL JOBS IN NIGERIA

http://skills.click-onkaduna.ng

The project is under **NATVIEW TECHNOLOGY** in **Nigeria**.

The Click-On Kaduna Digital Jobs In Nigeria Program is aimed   at helping increase employment in the state for disadvantaged   youth aged between 18-40 by catalysing the use of Information and Communication Technology (ICT) for economic opportunity   creation. It enables young people especially the females in Fragile, Conflict and Violence (FCV) communities as Kaduna participate in the digital economy particularly as it relates to freelancing and remote work opportunities and job matching and facilitation with private sector players in Nigeria. Our Target audience include: Poor and   Unemployed, Graduates, Stay at home mums or wives, Secondary School drop outs, Underemployed, Special Groups and Entrepreneurs   The Click-On Kaduna Digital Jobs In Nigeria Program is aimed at helping increase employment in the state for disadvantaged   youth aged between 18-40 by catalysing the use of Information   and Communication Technology (ICT) for economic opportunity   creation.   The Click-On Kaduna Skills is a collaborative jobs program in partnerships with World Bank, Rockefeller Foundation, IBM, WACOM, Andela and implemented by Natview Technology & Ventures Platform to enable young people especially the females in Fragile, Conflict and Violence (FCV) communities as Kaduna participate in the digital economy particularly as it relates to freelancing and remote work opportunities and job matching and facilitation with private sector players in Nigeria. Our Target audience include: Poor and   Unemployed, Graduates, Stay at home mums or wives, Secondary School drop outs, Underemployed, Special Groups and Entrepreneurs.

The project contributes to WSIS Action Lines: **3, 4, 11**.

The project is relevant to **SDG1, SDG4, SDG5, SDG8**.

College To Industry/C2I Initiative

https://swe.org

The project is under **Society of Women Engineers** in **Nigeria**.

For more than six decades, SWE has given women engineers a unique place and voice within the

engineering industry. As a young female African leader, I am valued for academic excellence and intellectual capacity which had been constantly proven by virtue of my academic achievements and community involvement in the society. As a proof of my capacity, I have earned numerous awards from academic institutions, received multiple awards of recognition from reputable organizations I volunteered with, for my selfless service and commitment to societal development. Because of my commitment and works in quality education and decent job creation, in 2019 I was listed among the African's 100 Most Innovative and Deserving Youth-SDG 4(Quality Education). Through innovation I have created numerous program addressing key problems in education and employment through partnerships, sponsorship and research. Some of these programs includes the Share Your Story Project, Girls STEAM Ahead, C2I Project, International Women's Day, International Day of Girls in Science, SWE/ SCC project, and SWE/Milex Project, just to mention a few. These programs usually have one woman as a speaker, who have had an international education to have a significant input. I create connections with Nigerian companies or citizens working in diaspora and give them the opportunity to engage with young folks, which eventually scales up impact. Therefore, as a result of present global trends and innovations and trends I am seeking for an opportunity to learn, gain more skills, and update my knowledge in this field and propose solutions that would provide answers to problems keeping leaders in this field awake; so as to contribute to making Nigeria better and advance my career on this path.

The project contributes to WSIS Action Lines: **3, 4**.

The project is relevant to **SDG4, SDG5, SDG8**.

FemCode Africa

http://femcodeafrica.org

The project is under **FemCode Africa** in **Nigeria**.

FemCode Africa is your No.1 Virtual Hub with the vision of educating and empowering all females across Africa with on demand tech skills for free without them having to leave the comfort of their homes. Femcode Africa is centered on equipping ladies with on demand tech skills for free. FemCode Africa believes that every female can acquire a digital skill if given the opportunity, and

they provide that opportunity. We have single-handedly trained over 1700 females across Africa on web and Android development, graphics design, social media management and content development.   We tend to offer females access to one on one mentor-ship and comprehensive boot-camps instead of just doing the normal introductory skill workshops or training.   Our trainings are centered mainly on Females who have the zeal to learn but lack the essential resources to make their dreams come true.   Our boot-camps runs for the period of 3 to 6 months, enabling these ladies learn properly because from our research we have discovered that ladies have different learning pattern and time frame. We also try as much as possible to carry everyone along, making sure every one in the boot-camp gets the adequate training and support they need to help them get up to a high standard in their preferred tech field.   As a virtual hub that is aimed at equipping ladies with on-demand digital skills, FemCode Africa is positively changing the narrative and closing the gap when it comes to women inclusion in technology.

The project contributes to WSIS Action Lines: **4**.

The project is relevant to **SDG4, SDG5, SDG8, SDG17**.

Innovationbed Smart Virtual Cities Upskilling - UN SPACE4Nigeria Computer-Aided Strategic Planner

http://www.innovationbed.africa

The project is under **Programos Foundation** in **Nigeria**.

Objectives: It is a computer aided SDG-Advisor initative that is being developed as part of the United Nations ICT4SIDS eNabler Project. It offers significant benefits especially to the developing countries because it can: 1. identify and resolve the key issues involved in leaderships of poor economies, and helps in evaluation & selection of the best alternatives before initiating a development project.   2. accelerate the development processes by quickly generating plans in hours instead of months   3. hide technical details and thus can be used by people with different backgrounds - hence we are teaching jobless graduates who now have ability to create new jobs aways from the displaced disruptions across the SDGs making them become relevant in nation-building   4. introduce and enforce the same standards and best practices quickly and uniformly across all users   • it is now used as a training and educational tool with more opportunities for youths in Africa who have been far from such costly contents.   Results for cohort (1):   1. local capacity development programme organised freely by Programos Foundation in collaboration with UN ICT4SIDS, for the maiden cohort which was made up of graduate youths drawn from diverse

disciplines from Akwa-Ibom , Edo , Ogun , Kano , Katsina , Gombe, Taraba , Benue , Bauchi and the FCT as follows: a. beneficiaries of the #SPACE4Nigeria programme now appreciate the need for the national dream being towards a Digital Economy and why they need support government, b. Each beneficiary is currently on a national project of determining how well they can use the education attained to promote quality leadership administration in all ministries of their regions with the support of our foundation and UN ICT4SIDS by developing inexpensive digital hubs on education, health, agriculture that integrates within and outside communities of nigeria.   c. attained upskilling shows the UN ICT4SIDS is of great value to leaders.

The project contributes to WSIS Action Lines: **4**.

The project is relevant to **SDG2, SDG3, SDG4, SDG5, SDG11**.

African ChangeMakers Initiative

https://africanchangemakers.org

The project is under **African ChangeMakers Initiative** in **Nigeria**.

CATALYST FOR TRANSFORMATION & IMPACT.   African youth, women and girls are

leaders of today, NOT tomorrow and they are our target audience. Investing in African Youth, Women, & Girls isn't just about basic human rights, it's about fully unlocking the potentials of one quarter of the world's population. We are all about changing African women Mindset, Teaching Skill-set & Sharing Tool-set. Our vision amplifies leadership, entrepreneurial ingenuity and social innovations in every community across Africa and around the world, harnessing values-driven innovative solutions with sustainability in mind to champion transformation & impact across the world.   Our mission identifies, spark new ideas, nurture creative innovation and develop an engaged change-making leaders and communities through online and face-to-face connectivity programs of changemakers, game-changers, impact-makers, agent of change, movers and shakers of enterprise for the transformation of Africa and the world.   Our Slogan: African ChangeMakers, YES WE CAN.   Mantra   Our Vision Inspires Us,   Our Mission Drives Us,   Our Purpose Guides Us to Spark Change.   Our Values: Diversity, Inclusiveness, Collaboration, Knowledge Sharing, Impact and a Connected World.   PROGRAMS   • African ChangeMakers Fellowship   • African ChangeMakers Mentorship   • African ChangeMakers Meet-Up   • African ChangeMakers Women   • African ChangeMakers Exchange   • And much more

The project contributes to WSIS Action Lines: **4**.

The project is relevant to **SDG5, SDG8, SDG10**.

Re-firing STEMM women and girls by doing
https://www.facebook.com/eucharia.nwaichi/

The project is under **Abia state University Uturu Abia state**   in **Nigeria**.

Dr. Eucharia Oluchi Nwaichi is an exceptional gender-conscious environmentalist working for the University of Port Harcourt (UNIPORT) and living in a developing country, Nigeria.   The candidate has contributed directly to education evident in (1) her teaching career - she teaches biochemistry formally (as a Lecturer at the University of Port Harcourt) and informally (https://youtu.be/GaMPTFBtSR4 and https://youtu.be/d2R542HrlSg) in Nigeria and   steps down any any new learning, spreading the message with anticipated renewed commitment from her passsion to entrench safe environment for all with special passion for building capacity for women and girls. She trains corps members (manadatory one year post-graduation national service) yearly with her team on preparing a great CV, quality management, attending interviews, tips for staying safe and other soft skills. This initiative is to help them acclimatize in their new environment and excel. Dr. Nwaichi is often invited to holiday camps to charge children to love science courses and has volunteered severally to UNICEF to bring developmental activities around women and girls

especially on child protection issues. She has worked with host communities to her university facilities to grow their capacities on basic environmental management and public health concerns. On the 12th of March 2020, she formed what she call Evidence Leaders team UNIPORT, that was commissioned to drive research evidence generation, validation, synthesis and use and is looking to inorporate policy makers in the team to improve their capacities to find and use research evidence. It is interesting to note that the Evidence team is made up of 75% women as she consciously strives to re-fire women and girls.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, BUS, LEA**.

The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8, SDG10**.

The Visiola Foundation

https://www.visiolafoundation.org

The project is under **The Visiola Foundation** in **Nigeria**.

The Visiola Foundaion runs an exciting residential program designed to stimulate the interest of teenage girls (13 – 18) in the STEM fields. Students are taught concepts and projects in Robotics, Electronics, Mechanics, Science, and Computer Programming. They build projects individually and as a group. They are also exposed to professionals in the STEM fields who serve as mentors to them. The Visiola Foundation also runs and intensive five-week program to train girls and young women in the fundamentals of web design and computer programming. Best students provided with internships and Creation of a talent recruitment pool for corporates and development of tech entrepreneurs. The Visiola foundation program customized as STEM Leadership and Entrepreneurship (STEMLEG) clubs hold at 20 Government Secondary Schools across the FCT.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, EMP, 8**.

The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8, SDG9, SDG12**.

COVID-19 Essay writing contest 2020

https://edigenrwanda.org/

The project is under **Edified Generation Rwanda** in **Rwanda**.

COVID-19 Essay writing Contest 2020 seeks to promote and maintain   reading and writing culture as well as promotion of Book industry in Rwanda. The contest will not only provide assistance to the winners necessary to go   to schools in September 2020 but also will strongly focus on the following :   We need to understand   how they perceive this unprecedented   lock down caused by   COVID-19; Engaging children and youths in the art of reading and writing and   promotion of reading and writing culture in Rwanda; Exposing and nurturing young children/youths   into digitally literate   by applying   through the platform ; Integrating them into the journey of   the government of   Rwanda to curb   the spread of the Corona Virus.

The project contributes to WSIS Action Lines: **4**.

The project is relevant to **SDG4**.

Coronavirus and its Impact on the Sustainable Development Goals

https://www.facebook.com/OutreachSocialCareProjectOscar/

The project is under **Outreach Social Care Project- OSCAR** in **South Africa**.

"Outreach Social Care Project is a grass-roots non-profit organization based in South Africa and Democratic Republic of Congo since 2008, working with disadvantaged and underprivileged communities in townships and rural areas.   The organization has undertaken the initiative that delivered to and supported people affected and infected by COVID- 19, through the provision of prevention, awareness, livelihood as well the psychosocial support.   South Africa like the rest of the world is gripped by the coronavirus pandemic. Social distancing, promulgated as the most effective way to curb the spread of infection, is impractical for rural and informal settlements in South Africa, where people live in close-knit communities both physically and socially and lack basic housing, water and sanitation facilities. Many models point to the burden of disease being highest amongst poor people because of higher incidences of TB and HIV and weak and overburdened health services."

The project contributes to WSIS Action Lines: **4, HEA**.

The project is relevant to **SDG3, SDG5**.

ICT SCHOLARSHIP

https://www.tcra.go.tz

The project is under **TANZANIA COMMUNICATIONS REGULATORY AUTHORITY** in **United Republic of Tanzania**.

"According to the Tanzania Communications Regulatory Authority (TCRA) Act No. 12 of 2003, one of the duties of the Authority is to enhance public knowledge, awareness and understanding of the regulated sector. Further, the TCRA Corporate Social Responsibility Policy provides among others; support on education. Furthermore, the TCRA strategic goal, as stated in the Corporate Strategic Plan, is to enhance the welfare of Tanzanians.   Based on these mandates, TCRA established ICT scholarship program during the year 2011 with the overall objective of contributing knowledge by developing human capacities that will work in the ICT sector in view to improve ICT development in the country. Through these scholarships TCRA offered Tanzanian students the opportunity to obtain degrees in ICT and related fields from accredited local Higher Learning Institutions. Specifically, the objectives of TCRA ICT Scholarship were as follows: i) To contribute in the regulated sector through offering Tanzanian students the opportunity to obtain degrees in the field of Information and Communication Technologies (ICT) and related areas.   ii) To cultivate a culture of sponsoring higher education in the country by local public and private institutions; TCRA being an example for other institutions to embrace. The scholarship covers both University and Student costs for all sponsored programs, i.e. PHD students, Master and Undergraduate students. The program run for six (6) years, during that period a total number of forty seven (47) students benefited from these programs whereby eleven (11) were Girls. Beneficiaries of TCRA ICT scholarships are employed in both public and private sector within the united republic of Tanzania.   "

The project contributes to WSIS Action Lines: **1, 3, 4, LEA**.

The project is relevant to **SDG5, SDG8, SDG16**.

African Centre for Women in ICT

http://acwict.org/index.php/about/

The project is under **African Centre for Women in ICT** in **Kenya.**

The African Centre for women in ICT is involved in offering ICT skills and life skills to youth from deprived backgrounds so that they too can compete in the global scale which has fast become a global village. With these skills, the students can program, code, work with Microsoft office packages and pursue college work from the offered life skills they get during the training.   One major objective is to have as many centers in the 47 counties and even beyond the Kenyan borders, that will reach to the grassroot and have as many students get the training.   The work is innovative and has impacted many because these digital skills are offered free of charge therefore making more

and more young people have interest in the learning which puts them at a competitive platform with the rest.

The project contributes to WSIS Action Lines: **3, 4, LEA**

The project is relevant to **SDG4**

**MAKEHER SPACE**

https://wtec.org.ng/make-her-space-2/

The project is under **Women's Technology Empowerment Centre (W.TEC)** in **Nigeria.**

The MAKEHER SPACE project is a Hands-on Technology initiative that teaches young women to create technology and engineering-based solutions that solve problems in their communities, provide information about career options and exposes them to women working successfully in STEAM. Participants in each cohort are put through 4 weeks of intensive training on Website Design, 3D Modelling, Video Marketing and Market Research and Analysis. Subsequently through series of cohorts both online and in-person classes after the second wave of the pandemic in Nigeria 887 girls and women have been trained and many have returned for the hybrid sessions where graduated participants return to perfect their skills in our workshops.

The MAKEHER SPACE program has been conducted in 4 strategical States across Nigeria operating numerous centers in each state where 887 female participants were trained social energy technology. By this we have established a new generation of empowered women across rural areas across Northern states where females can develop technological solutions for their daily needs.

The project contributes to WSIS Action Lines: **4**

The project is relevant to **SDG4**
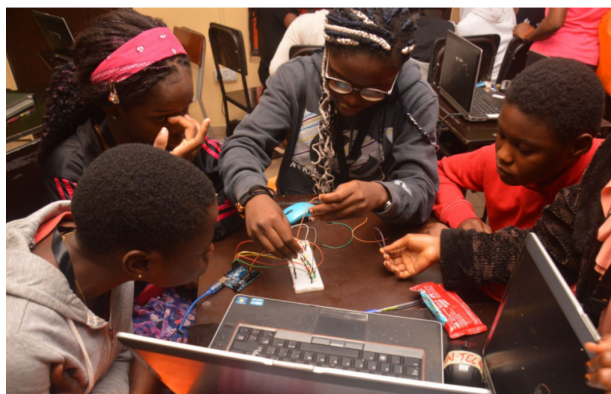
STEM and Robotics Workshop for Down Syndrome Young Adults and Their Special Needs Educators

https://t.guardian.ng/news/down-syndrome-young-adults-get-introduced-to-robotics

The project is under **Special Needs Initiative for Growth** in **Nigeria.**

We use a variety of training techniques so that persons with various disabilities such as autism spectrum disorders, cerebral palsy, blindness and Down syndrome can learn according to differing and preferred learning styles. We also employ a flexible approach not only to content but to goals, methods, materials, and assessment techniques. At the novel outbreak of the Corona Virus, we conducted the STEM and Robotics Empowerment workshop in collaboration with the Barack Obama American Corner to develop the cognitive and technical capacity of young adults with Down syndrome and their educators so that they can be well equipped to lead technology roles, gain access to STEM and Robotics related jobs and earn a living for themselves especially during the Covid 19 crisis.

The project was a great opportunity to introduce the young adults with Down syndrome to numerous technical opportunities that will prepare them for employment. They learned how to read instructions carefully and how to interpret schematic diagrams, developing both spatial and logical skills. They also improved their communication skills, cognitive flexibility, emotional intelligence and team building via hands-on interactive games and activities.

The project contributes to WSIS Action Lines: **2, 3, 4**

The project is relevant to **SDG10**

AL C5. Building confidence and security in use of ICTs

Appui au renforcement des capacités des femmes et jeunes filles

http://www.pifeva.org/

The project is under **Pilier aux Femmes Vulnérables Actives** in **Democratic Republic of the Congo**.

PIFEVA (Pilier aux Femmes Vulnerables Actives) is a non-profit association for women created on June 04, 2004 in Bukavu (South Kivu) to promote women's rights and fight against inequalities against women following the persistence of cases of sexual and gender-based violence and widespread poverty caused by multiple wars in the eastern part of DR Congo. PIFEVA's mission is

to support women and local communities in the fight against poverty and injustice in the Democratic Republic of Congo. The main objectives of PIFEVA are: 1) Ensure the protection and promotion of women's rights and facilitate their access to decision-making bodies; 2) Promote peace and fight against violence, discrimination and other abuses against women to promote their social development; 3) Promote sexual and reproductive health and fight against STIs / HIV AIDS in favor of vulnerable women and girls; 4) Provide formal and non-formal education to vulnerable and marginalized children, girls and women; 5) Ensure food and economic security for women and vulnerable households; 6) Carry out advocacy for the rights of women, girls and children. Regarding the proposed project, PIFEVA conducted a study in 2010 which revealed the fact that in Bukavu (DRC), less than 1% of women have access to NICTs and especially to the Internet. The majority of this category of women do not know how to use computer and digital tools in this current dynamic of globalization. It is in this context that PIFEVA launched, on the occasion of International Women's Day celebrated on March 8, 2011, a local capacity building project for women and girls to facilitate their access and use of new communication and information technologies.

The project contributes to WSIS Action Lines: **5, LEA**.

The project is relevant to **SDG4, SDG5**.

Renforcement de la connaissance de l'outil informatique chez les femmes et filles

https://prixpublicpaix.org/nominations-2017/

The project is under **Solidarité aux Personnes Vulnérables pour le Développement Communautaire, en sigle SOPEVUDECO ASBL** in **Democratic Republic of the Congo**.

The Congolese woman in general and that of South Kivu in particular is confronted with many problems of access and control of resources and factors of production due to discrimination and social consideration (sometimes like instrument of production and pleasure, sometimes as a sub-being that men can treat as they wish. The Women and Girls in this project are the Members of SOPEVUDECO ASBL living in the Slums and the outskirts of the City of Bukavu. 90% of them are not only heads of households and displaced from wars from their rural areas to Bukavu in search of an oasis of peace after they are abandoned or repudiated by their spouses because the incivists took advantage of them by raping them - Project description: Women play a key role in reducing poverty and promoting socio-economic development, both for themselves, for their family and for their country. ICTs are an essential tool for the socio-economic development of women and girls. Information and communication technologies (ICT) can provide education and skills training for women and girls, promote their literacy, improve their access to health care, and enable them to exercise their legal rights and rights. participate in government activities. Investing in women has a multiplier effect. Women reinvest in their families and communities. Accelerating women's and girls' access to broadband and ICTs promotes gender equality as well as the empowerment and socio-economic development of both women and men. ICTs have also demonstrated their ability to change the lives of women. For millions of them, the knowledge of computer tools offers the assurance of a new future. - The objective of this project is to train at least 250 women from the communes of Kadutu and Bagira in the use of computer tools.

The project contributes to WSIS Action Lines: **3, 4, 5**.

The project is relevant to **SDG3, SDG4, SDG5**.

Tujenge STEM

https://ingeniouscity.com/

The project is under **Ingenious City** in **Democratic Republic of the Congo**.

The Tujenge STEM support program sponsored by UN Women DRC and executed by ingenious City, has 2 components 1.supporting young women between 18 and 35 years old whose objectives are to promote the economic empowerment of young girls in the STEM sectors (Science, Technology, Engineering and Mathematics) by equipping young girls with digital literacy and practical knowledge for their preparation for working life but also by giving those with knowledge and business resources the means to create, lead and develop small enterprises. The various activities organized are training in digital and entrepreneurial skills and knowledge via an LMS but also masterclasses and workshops with experts on defined subjects and personalized support with a monitoring officer for the program welcoming 50 young women divided into 2 cohorts of 6 months out of the year. 2. Tujenge STEM program - African Girls Can Code is the initiation to the code of young girls between 12 and 18 years old. The goal is that by the end of 2020, 600 young girls will be introduced to the code in order to arouse their interest in ICT as a career and to empower them as promising innovative young women for the DR Congo. 25 young girls participate in a 4 hour initiation session where they assemble the Mbot robots in small groups and learn to program it online and offline.

The project contributes to WSIS Action Lines: **3, 4, 5**.

The project is relevant to **SDG4, SDG5, SDG8**.

DIGITAL_EQUALITY

https://www.afri-carrieres.xyz/2020/06/equals-in-tech-awards-2020-pour-les.html

The project is under **OKAFRIKA CORPORATION** in **Democratic Republic of the Congo**.

My name is BOROTO BISIMWA Jonathan, I am a young student in IT management at the Higher Institute of Information Technology and Management ISIG GOMA in acronym residing in DEMOCRATIC REPUBLIC OF CONGO NORD-KIVU Province City of Goma I am the creator of the OKAFRIKA CORPRORATION group which is a group of young entrepreneurial scientists. Our project is called DIGITAL_EQUALITY is to put in place material and digital means for the promotion of gender equality in the digital development world in our communities. The DIGITAL_EQUALITY project targets the whole world but since we have limited resources at the moment we plan to operate in the DRC particularly in the East. In our communities, women are often discriminated against in many areas of which digital development is one. So we considered it important, my team and I, not to give up in the face of this situation, so we are in the process of setting up our DIGITAL_EQUALITY project which will constitute an adapted solution to solve this problem. For the success of the DIGITAL_EQUALITY project we must cooperate with: - OKAFRICA COORPORATION - Association promoting the socio-economic development of the different layers of the populations example: GOMA youth center,… - Equipped IT house example HOUSE NGENDO With the DIGITAL_EQUALITY project we intend to reach the following

objectives and that in a few months: - To introduce women sufficiently in the development and digital manipulation. - Facilitate women to have a space for scientific sharing via an internet forum.
The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5**.
The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8**.

Finding Digital Addresses
https://twitter.com/FindingGambia

The project is under **Finding Gambia** in **Gambia (Republic of the)**.
"In order to tackle the difficulties faced by The Gambian citizens while observing social distancing, Finding Gambia an initiative founded to provide addresses for every Gambian – in collaboration with Gambia Task Force on Plus Code Addressing System – launched a program that would allowed Gambians to find their generate address using google plus codes (which is also their exact addresses) anywhere they are in the country.   The initiative provided training for the Centre for disease control and the Ministry of Health COVID 19 emergency team in plus code generation to help locate callers who suspect signs of the virus and need urgent medical attention. We trained volunteers from the ministry of youth   using the technology to help them on contact and provision of essential goods for the populations and help ensure social distancing.   We also partnered with the UNDP, Ministry of Youth and EU's Youth Empowerment Office in Gambia and   provided training for   pharmacies and delivery companies to ensure that citizens stay home and still get their essential goods."
The project contributes to WSIS Action Lines: **5, HEA**.
The project is relevant to **SDG9, SDG11**.

'Handheld Library'
https://www.knls.ac.ke/index.php/home

The project is under **Kenya National Library Service - Kibera Branch** in **Kenya**.
It has been very challenging for children especially within the informal settlements because many of those from the middle class and affluent families can access online lessons since they can afford smartphones and data for internet connection. Kibera slums have no access to ICT and cannot afford data for internet connection.   As a librarian, I believe every child deserves the chance to learn. In this case, our focus as a community library in the midst of school and library lockdown is on digital access and inclusion for the remote, socio-economically deprived families living within the informal settlement. The children and youth need to continue reading despite the Covid-19 pandemic. This is happening by the use of the few devices we have managed to acquire through friends.   We download the ASb Reader App, educational games, and revision papers on each phone/tablet for children and youth then lend them to them.   Phones are loaned out to the children in the company of the parent. They are supposed to return to the librarian after one Month to assess, monitor, and evaluate usage. W e are also printing stories and revision papers for the ones who do not get the devices.   We are using smartphones, tablets, laptops, and Printer.
The project contributes to WSIS Action Lines: **3, 5**.

The project is relevant to **SDG4**.

Joasher Technologies Girls in TECH

https://www.facebook.com/Joasher-TechnologiesConsultancy-103944101364812/

The project is under **Joasher Technologies and Consultancy** in **Kenya**.
Joasher Technologies and consultancy has worked to revolution and change the mindset of Kenyan communities on Women pursuing Computing courses. We gather girls from rural areas both primary and secondary schools who have a passion in IT. In this program we train the girls basic IT programs and software development. We make follow up and source internships for the girls and later on jobs. The company recognizes that girls from slums and remote rural areas have no mentors and lack support hence their goal. They fund for the girls attending academic conferences and trainings and ensures that the girls are kept in school. This has resulted to many girls completing their primary and secondary school education and enrolling to universities to pursue science courses.
The project contributes to WSIS Action Lines: **1, 2, 3, 5, EMP**.
The project is relevant to **SDG4, SDG5, SDG9, SDG10**.

Musodev Code Academy

https://musodev.com/nos-projets/musodev-code-academy/

The project is under **Association pour la promotion des femmes par les TIC** in **Mali**.
We are a non-profit organization whose vision is the development and empowerment of women through ICT created according to receipt N ° 0960 / G-DB in accordance with law N ° 04-038 of August 05, 2004. We remain convinced that equipping women and girls with solid skills in different areas of ICT is a means for their development and empowerment. These skills, once acquired, will open the door to decent jobs. With a target audience in the 13 to 35 age group, our objectives are as follows: Provide development opportunities to women and girls through ICTs. To design, develop and promote the participation of women in ICT-related professions. Promote vocational training and support for women and girls through ICTs. Put in place technological solutions allowing prevention as well as raising awareness of the common problems that women and young people face. For this our main activities and programs are: Musodev Code Academy It is a 9-month training program

including 3 months of internship. According to the ITU in 2020 nearly two million jobs in the ICT sector will disappear for lack of skills, so it is more than urgent to take action on the ground to significantly reduce this number and reverse the trend .Through MUSCOA we want to: offer women and girls quality vocational training, adapted to the digital job market; Promote digital inclusion by reducing gender disparities in ICT; For the first edition, four fields are available, namely: web and mobile development, web marketing and Community Management. Zero GBV At MUSODEV, we work daily for the empowerment of women and girls through new technologies. However, since 2012, Mali has been going through a security crisis that is eroding the chances of empowering women. That is why we have decided to invest in activities relating to issues of peace, living together, well-being and the fight against gender-based violence.

The project contributes to WSIS Action Lines: **2, 3, 5**.

The project is relevant to **SDG4, SDG5**.

National Authentication Framework

https://maupass.govmu.org/LandingPage

The project is under **Central Informatics Bureau, Ministry of Information Technology, Communication and Innovation** in **Mauritius**.

The National Authentication Framework of Mauritius aims to create the right governance, institutional mechanisms, the core infrastructure, the policies and a full-fledge system in order to develop a citizen-centric eco-system for governance and accessing e-services securely.   As part of this larger initiative, several government services are being provided to the citizens through electronic means. To ensure easier/quicker access to government services in rural/urban areas of the country, the Government has established Services Centres through the Mauritius Post as common service delivery outlets where the citizens can access all government services over the internet. The online service delivery mechanism has generated the need for electronically authenticating the identity of users.   It has also necessitated electronic authentication of the government websites in order to build trust. Moreover, an elaborated electronic authentication mechanism is required to create confidence and trust in the online environment which is always prone to identity thefts and other associated risks.   Therefore, in an endeavor to increase citizen's trust in the online environment the Central Informatics Bureau has conceptualized the NAF to provide a uniform approach to managing identity authentications.   The framework first defines the principles of e-Authentication along with its various components such as Identity Management, Authentication, Authorisation, Credential Registration, Permission Assignment, Deregistration and Single Sign on. The adoption of the NAF by all government departments will help mitigate identity related frauds, reduce duplication of efforts and achieve consistency of authentication approaches across several disparate project implementations.   Since the launch in Dec 2020, thousands of citizens have used NAF to access e-services in a seamless manner.   A national Level impact was generated by the project as it cuts across various e-services and provides a single sign-on platform for all govt e-services.

The project contributes to WSIS Action Lines: **1, 5, 6, GOV**.

The project is relevant to **SDG9, SDG11, SDG16**.

Table 3 shows a comparison of MAUPASS with other leading European Government eID/Authentication solutions (Source: Radbound university, Netherlands, Analysis and comparison of identification and authentication systems under the eIDAS regulation):

	Computer and cardreader	Computer and smartphone	Computer and SMS	Computer and OTP device	Computer only	Smartphone app only
Belgian eID	Yes	Yes*	Yes*	Yes*	Yes*	No
Itsme	No	Yes*	No	No	No	Yes*
German eID	Yes	Yes	No	No	No	Yes
Luxembourg eID / LuxTrust	Yes	Yes*	Yes*	Yes*	No	Yes*
Estonian eID / Mobiil-ID	Yes	Yes	No	No	No	Yes
Spanish eID	Yes	Yes	No	No	No	No
Cl@ve	No	No	No	No	Yes*	No
SPID	Yes	Yes	Yes	Yes	Yes	Yes
Italian eID	Yes	No	No	No	No	Yes
NIAS	Yes	Yes*	Yes*	Yes*	Yes*	Yes*
DigiD	No	Yes*	Yes*	No	Yes*	No

MauPass	No	Yes	Yes	Yes	Yes	Yes

Table 3: Comparing Maupass with other European Systems

Maupass is now at par with other Government eID/Authentication platforms as implemented in European countries.

Cybersecurity inno6

https://comerciolimited.com.ng

The project is under **Comercio Limited** in **Nigeria**.
- Filling the skills gap in cybersecurity   - Working with the young adults in Africa   - Creating leaders and Entrepreneurs   - Changing the narrative for the Continent
The project contributes to WSIS Action Lines: **5, 10**.
The project is relevant to **SDG4, SDG5, SDG8**.

Apps and Girls

https://www.appsandgirls.com

The project is under **Apps and Girls** in **United Republic of Tanzania**.
Apps and Girls is a Tanzanian award-winning social enterprise that empowers girls and young women to create the world they want to live in using technology. We give girls and young women aged 12-24 from both privileged and underprivileged backgrounds, at secondary school, university, or out-of-school the skills and a platform to become effective tech-entrepreneurs, innovators,

including high-quality software and hardware programming experts. We are implementing an innovative cyclical process of basic-advanced coding training, entrepreneurship training, mentorship, and incubation. The process itself harnesses the power of digital technologies, notably through the creation of coding clubs in secondary schools, an offline and online women's tech entrepreneurship incubator, e-learning and e-mentoring platform to match emerging tech entrepreneurs/ enthusiasts with mentors. Our mission to reduce the gender gap in ICT, tech-entrepreneurship, and empower more change-makers in Tanzania and across Africa.   Objectives: To invest in girls and young women as potential tech entrepreneurs, tech creators, tech role models, and leaders, in Tanzania and across Africa.

The project contributes to WSIS Action Lines: **1, 2, 3, 5, LEA**.

The project is relevant to **SDG3, SDG5, SDG8**.

NATIONAL CYBER SECURITY COMPETITION

https://www.tcra.go.tz

The project is under **TANZANIA COMMUNICATIONS REGULATORY AUTHORITY** in **United Republic of Tanzania**.

One of the TCRA's strategic objective is to protect interests of stakeholders and enhance awareness of their rights and obligations. In order to fulfill the strategic objective TCRA implemented a project called cybersecurity competition. Cybersecurity competition was conducted through an online platform with the aim of raising cyber security knowledge, identify individuals with cyber security skills in Tanzania and raise cyber security culture (awareness) within the targeted group. The competition was conducted using online platform targeting youths at the age of 17 to 24 years as the only entry requirement whereby girls were more encouraged to participate. The competition covered three cyber security domains which are Hacking, Network defence and Incidents response. Sixteen (16) higher learning institutions were invited to attend and responded positively.   The overall number of registered individuals into the competition was 1005 whereby 136 were female participants and 869 were male participants.   After registration, all participants were given security materials and webinars with real activities related to cyber operations which required them to carry out studies and hands-on exercises that enhanced their capacity. All participants were given security materials and webinars with real activities related to cyber operations which required them to carry out studies and hands-on exercises that enhanced their capacity and innovation skills in solving problems. Hence 136 girls/women were able to improve their cybersecurity skills whereby four (4) girls managed to go until the final stage.

The project contributes to WSIS Action Lines: **1, 3, 4, 5, 10**.

The project is relevant to **SDG4, SDG5, SDG8**.

Digital Champions against FGM in Tanzania

https://hopeforgirlsandwomen.com/

The project is under **Hope for Girls and Women Tanzania** in **United Republic of Tanzania**.

Girls at risk of Female Genital Mutilation, FGM, in Mara region, Tanzania, live in very remote villages, far from the rule of law.   Hope for Girls and Women Tanzania has been protecting girls from FGM since 2017 and has mapped these villages into OpenStreetMap as part of the Crowd2Map project, to ensure girls can be found quickly, especially in the middle of the night when most calls for urgent help are received, particularly during the "cutting season".   In 2019 they worked with Social Welfare officers in Serengeti District to set up and train women and children protection committees in each of the 87 villages there. For the first time ever members saw a printed map of their village, to which they added any missing points.   They were also trained on how to use a smartphone, as for most of them it was the first time they had ever used one. They learned how to use the camera, the map functions, including how to add missing points into OpenStreetMap. There were heated discussions on what constitutes Gender Based Violence, and they were shown how to report cases via an online form on ODK, OpenDataKit.   One woman from each committee was selected to be the 'Digital Champion' for the village, and was loaned a $40 smartphone to support them in this role. The phone included downloaded videos and books in Swahili about FGM, Gender Based Violence and many other topics such as health and agriculture.   She is then responsible for disseminating this information throughout her village, as well as reporting girls and women at risk to the relevant authorities, and running girls' clubs in their village.

The project contributes to WSIS Action Lines: **3, 5, 8**.

The project is relevant to **SDG3, SDG5, SDG16**.

COUNTERFEIT WARRIOR

http://www.kab.ac.ug

The project is under **KABALE UNIVERSITY** in **Uganda.**

Our proposed innovation Counterfeit Warrior will rely on Artificial Intelligence to ascertain the authenticity and originality of the ICT Products by leveraging the different Anti-counterfeiting marks used by legit vendors to identify ICT Counterfeits. It will rely on IMEI numbers assigned to each device, QR Codes, and serialized barcodes.   Our System will communicate with a database for International Mobile Station Equipment Identity (IMEI) numbers which are updated in real time to track fake IMEI numbers, or cellular devices missing IMEI numbers. It will be automatically syncing with the database to keep updated on all the latest ways that ICT counterfeits can be
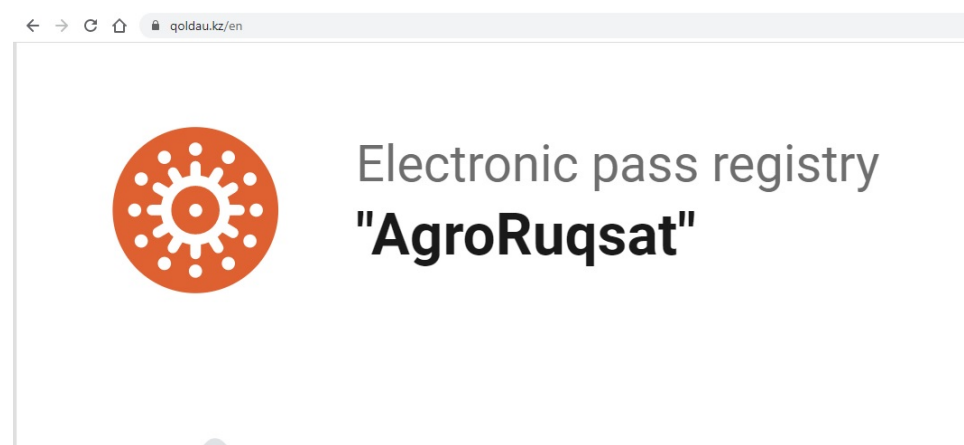
identified.   Covert or hidden markings are used by some manufacturers to authenticate genuine products and detect counterfeits. Our System will rely on Machine Learning Models to learn from different covert marks put by the legit vendors to uniquely identify their legit devices from counterfeits.   It will also use Standardized and serialized coding and identification mechanisms to ease the identification of batches or large quantities of ICT devices.   Counterfeit Warrior will also help in increasing awareness about the great dangers of counterfeit ICT devices and educate the public on how they can basically identify ICT counterfeits.

The project contributes to WSIS Action Lines: **5**

The project is relevant to **SDG9**

The Deputy Head of Mission of Uganda in Italy Ms. Kemerwa Alinemary Kenyangi visited KAB and held a meeting with the Deputy Vice Chancellors on 24th May 2022.

AL C6. Enabling environment

Sports 4 Digital Women

https://sites.google.com/view/kenyalittleleague

The project is under **Kenya Little League** in **Kenya**.

We promote two new sports in Kenya namely Baseball and Softball under our strategy Baseball for All, Making Champions 2016/20. The two sports have gained high profile with inclusion in the Tokyo 2020 Olympics with Baseball Men and Softball Women. This clearly displays the gender disparities where baseball has been promoted as a male sport and softball as a female sport. For the reason, KeLL use the sports as examples of gender marginalization. Our target audience is the youth, teachers and community whom we train as coaches to help in the program.   Major Objectives are: Promotion of sports with a focus on baseball and softball, Promotion of Life-skills and Promotion of SDGs. Activities are promotion of Baseball and Softball that include training of Coaches,

Umpires, Scorers and Administrators who run the program in schools, colleges, Universities and community. We appreciate that sport is the most powerful marketing tool, bringing people together, breaking tribal, racial, social, age and language barriers. We have easily penetrated the universities as we train their teams and run their baseball league. On life-skills, we train on safety including first-aid, exercise for physical, health and social benefits. Our SDGs activities cuts across the 17 SDGs including SDG 5. In Narok County, we are using the sport as part of the fight against gender based violence (GBV) especially female genital mutilation which leads to forced and early marriages and dropping out of school for girls. We have started maasai baseball morans teams for boys and working with girls rescued from FGM. Narok, Nyeri, Meru and Nairobi Slums program are earmarked for digital promotion through training 100 University Graduate trainers who will train 2,000 female teachers in ICT and mobile devices use and maintenance, audiovisual productions like video productions for web TV and podcasts. Talent development in youth is key and involve in STEM activities like Students Science Congress, SDGs like Circular Economy, Biodiversity and Climate Change.

The project contributes to WSIS Action Lines: **4, 6, LEA**.

The project is relevant to **SDG3, SDG4, SDG5, SDG16**.

MOBIGIRLZ: Empowerment of Young Women in ICT

https://www.emobilis.ac.ke/mobigirlz

The project is under **eMobilis Mobile Technology Institute** in **Kenya**.

MobiGirlz is an initiative by eMobilis Mobile technology Academy that targets young women in marginalized areas/ slums as well as underprivileged women in Universities that are passionate about technology. We focus on redressing the gender imbalance in Africa's tech industry by encouraging, empowering and offering scholarships to support these young women which introduces and up-skills more female technology talent while providing women access to tech opportunities and jobs.   We achieve this through: • Training young women • Mentoring young women • Community Participation in Women in Tech Activities and events • Offering financial Scholarships to bright deserving young women • Promoting top female students, industry high achievers and working with them to inspire more women into tech • Inviting lead female developers to give talks, to share real life experience in the tech profession and networking.   Our core mission is to enhance and increase the participation of women in the tech Industry, uplifting their innovations and talents in the industry, and exposing them to opportunities at an early age to benefit from the Tech Space and future of work. For the longest period, the tech space has been male dominated with women taking up a mere 28% of the representation. We encourage young women to venture into the STEM field in order to achieve digital gender equality.

The project contributes to WSIS Action Lines: **4, 6**.

The project is relevant to **SDG5, SDG8, SDG16**.

PaySlipBanSA campaign

http://www.payslipbansa.co.za

The project is under **PaySlipBanSA** in **South Africa**.

PaySlipBanSA tackles labour market wage discrimination against women. To combat income inequality in Tech (as in other sectors), job adverts must be upfront about pay and employers must compete fairly for talent. Pay Slip Ban SA challenges Monopsony power as jobseekers are too vulnerable to stand up for their rights. Most CEOs are males who decide how wages must be negotiated, we challenge this convention by publicly asking CEOs if they conspire on wages. While threatened with litigation, not even the most experienced law firm has pushed a case to meet us in court. Our work is controversial yet unstoppable as it positively impacts women's wages in all sectors. We have compiled evidence based on contributions from the public, and have sufficient material to proceed to court to prosecute firms violating Constitution and Competition Law when recruiting.

The project contributes to WSIS Action Lines: **3, 6**.

The project is relevant to **SDG5, SDG10, SDG16**.

CAREER DEVELOPMENT INITIATIVE FOR MOTHERS WITH CEREBRAL PALSY CHILDREN IN NIGERIA

https://biolinky.co/specialneedsinitiativeforgrowth

The project is under **Special Needs Initiative for Growth (Initiative for National Growth Africa)** in **Nigeria**.

Special Needs Initiative for Growth provides empowerment tools, resources and programs for children, early adults, young adults and aged persons with disabilities such as Down Syndrome, cerebral palsy, visually impairment and autism spectrum disorders. We proffer digital solutions and IT Entrepreneurship for mothers with PWDs to thrive better in their businesses and social lives. In 2019 till date the initiative has mentored and provided grant seed capital to 10 low income mothers of Cerebral Palsy children to successfully start viable businesses. Simultaneously, they also proffered arts skills to their CP Children. They sourced a fintech social enterprise that is closing the credit gap for low-income female entrepreneurs in proffering the mothers fintech solutions and data management for their business growth through online investments after sales. Also, the mothers were trained on the fundamentals of digital marketing and IT Entrepreneurship. This was important for us because the mother's experience challenges which affect them physically, emotionally and financially. This project enabled us to train, monitor and evaluate 10 low income mothers who are now independent and able to sustain themselves through their new businesses and provide social, medical and educational intervention for their CP Children. Also, from 2019 till date, we proffered google digital skills, IT Entrepreneurship for productivity, policy knowledge on Internet Governance and ISOC to promote policy making on Technology Rights to Inclusion (Visually-impaired). 31 blind adults from the Federal Nigeria Society for the Blind Lagos state, Nigeria benefited from this program and are undergoing mentorship and have been provided internship platforms to invest on themselves and on the opportunities granted to them. This positive impact has led to a Call to Action; ongoing Policy Reformation to implement those unpopular policies regarding assistive devices for the vision impaired community in the Nigerian community.

The project contributes to WSIS Action Lines: **4, 6, EMP**.

The project is relevant to **SDG1, SDG4, SDG5, SDG8, SDG10**.

Fufu powder

https://www.facebook.com/Olaoluwa-Ventures-789666454486931/

The project is under **Owooluwa   Ventures**   in **Nigeria**.

As we all know that after a days work most women use to get tired . This is the reason this organisations like to produce Fufu powder: 1. To   save time   2.   To   prevent food wastage   3.   To Meet people's need   4. To meet peoples taste   5. To reduce stress

The project contributes to WSIS Action Lines: **2, 6, AGR**.

The project is relevant to **SDG1, SDG2, SDG3, SDG4, SDG5, SDG8, SDG12**.

ICT PACK

https://www.tcra.go.tz

The project is under **TANZANIA COMMUNICATIONS REGULATORY AUTHORITY**   in **United Republic of Tanzania**.

"One of the TCRA's strategic objective is to promote efficient and affordable communication services and increase access to postal and ICT services to under-served and un-served areas. In order to fulfill the strategic objective TCRA created a project called ICT Pack, which has been adopted in the subsequent annual action plans and budget.   The project aims at facilitating access to ICTs for designated groups such as women, youth and disabled. Since year 2015 TCRA has been conducting the ICT pack project, which involves issuing of ICT facilities such as Computers, printers,

specialized computers for the blind and low vision girls students, and provision of Internet services. The project has benefitted more than six thousand (6000) girls students from twenty one (21) schools located in remote areas in Tanzania. Below are some of the results of the ICT Pack project: 1. Girls Students who registered for ICT National Examination have been noted to have good performance in their examinations due to presence of computers for learning. Before having the ICT Pack project the students' performance in ICT subject were not satisfactory in National Examinations. 2. The internet service provided in the project helps teachers to prepare teaching materials from different online sources for students. 3. As the results of having the project many girls students have been encouraged to take the ICT subjects which compelled schools to register them and seat for the National Examination in ICT Subject. Before the project, only few girls students were registering for ICT subject during the National Examinations. "

The project contributes to WSIS Action Lines: **1, 2, 3, 6, LEA**.

The project is relevant to **SDG4, SDG5, SDG16**.

Finding Digital Addresses

https://twitter.com/FindingGambia

The project is under **Finding Gambia** in **Gambia (Republic of the).**

In order to tackle the difficulties faced by The Gambian citizens while observing social distancing, Finding Gambia an initiative founded to provide addresses for every Gambian – in collaboration with Gambia Task Force on Plus Code Addressing System – launched a program that would allowed Gambians to find their generate address using google plus codes (which is also their exact addresses) anywhere they are in the country. The initiative provided training for the Centre for disease control and the Ministry of Health COVID 19 emergency team in plus code generation to help locate callers who suspect signs of the virus and need urgent medical attention. We trained volunteers from the ministry of youth using the technology to help them on contact and provision of essential goods for the populations and help ensure social distancing. We also partnered with the UNDP, Ministry of Youth and EU's Youth Empowerment Office in Gambia and provided training for pharmacies and delivery companies to ensure that citizens stay home and still get their essential goods.

Delivery companies have made an improvement of having to drive to a certain area and then make phone calls to ask for more direction to the precise location of the recipient to just getting the direct google plus codes of the recipient and receiving directions from the Google Maps application. Pharmacies now also make deliveries for their customers to stay at home and still receive the essential medicines they need. Hence, allowing Gambian citizens to stay home and observe social distancing, and still getting their essential goods from the confort of their home.

The project contributes to WSIS Action Lines: **2, 5, 6, HEA, EMP**

The project is relevant to **SDG8, SDG9, SDG11**

Electronic Queue Management System

https://morendezvous.govmu.org/home

The project is under **CENTRAL INFORMATICS BUREAU** in **Mauritius.**

An Electronic Queue Management System (EQMS) will be integrated in Government services which will help organizations to manage queues more efficiently and organize the waiting process by informing customers about their place in the queue and waiting time. Citizens will also be able to register in the EQMS via a web portal or through the 'morendezvous' mobile application. Results and Impacts: The implementation of the EQMS will promote digitalization of government services and provide a robust and efficient platform to avoid endless and stressful queues for the general public, especially old people and people with disabilities. Moreover, this solution, in the current COVID pandemic situation will contribute massively in controlling, mitigating and eliminating risk of infection propagation. The EQMS has already been implemented and actively being used at 7 sites namely the: 1. Passport and Immigration Office 2. Work Permit Unit 3. Pharmaceutical Unit at Dr Bruno Cheong Hospital 4. Mauritius National Identity Card Centre at Port-Louis 5. Mauritius National Identity Card Centre at Rose-Hill 6. Mauritius National Identity Card Centre at Flacq 7. The National Land Transport Authority at Port-Louis

The EQMS is actively being used at the sites where it was implemented and thousands of appointments and request for services have been successfully processed. Moreover, due to its flexible nature, it has allowed the continuity of services in a safe and controlled environment during the current COVID pandemic situation, thus mitigating financial impact and ensuring continuity.

The project contributes to WSIS Action Lines: **1, 2, 5, 6, GOV**

The project is relevant to **SDG3, SDG9, SDG11**

AL C7. E-government

BOTSWANA EGOVERNEMENT APP

http://www.iloveswagmedia.co.bw/index3.html

The project is under **E GOVERNMENT App** in **Botswana**.

Service delivery has been a challenge to most Botswana as many have not been able to access government well on time anywhere. The has contributed to poor service Standards across government and it has impacted negatively on development to inefficiency. Botswana EGOVERNMENT Web and Mobile app is an app tailor made to deliver Botswana Government services online to provide efficiency during pandemic time's. The App categorizes the different Ministries in Botswana, it uses an appointment booking system to book to request the services that one wishes to acquire from the different ministries. The App has integrated communication API'S from popular worldwide communication Apps and services as Facebook Messenger, Telegram, Email and webchat so that the citizens of Botswana can be able to talk and request for services from the Different Ministries of Botswana Through already well known and established communication services.

The project contributes to WSIS Action Lines: **GOV**.

The project is relevant to **SDG8**.

Setting up of COVID-19 LIMS at CHL for Mauritian and a passenger LIMS at SSR International Airport to test incoming passengers

https://safemauritius.govmu.org/

The project is under **Central Informatics Bureau** in **Mauritius**.

OpenELIA is a computer-based information management system created specifically for public health laboratories to efficiently enable the management of instruments and data so that accurate information is provided quickly. The OpenELIS delivers test results for patient care, monitors quality of testing systems, and provides real-time disease surveillance test results. The OpenELIS increases the capabilities and capacities of diagnostic and public health laboratories.   The OpenELIS has been customised to support workflows for Central Health Laboratory—as well as the repository to store laboratory data—while supporting the Ministry mission. The goal is to deliver correct and complete information to laboratory staff, Director of Laboratory services and citizens of Mauritius, incoming passengers & tourists as efficiently as possible by following main processes. Through the implementation of the COVID-19 & passenger LIMS at CHL and at the Airport, both laboratories have achieved the following results:-   1. Track laboratory information during the testing process (from sample log-in to reporting)   2. Faster processing of orders and tests   3. Reduce turnaround time for diagnostic test results   4. Collect, store, archive and analyze laboratory data   5. Report test results for patient care   6. Results are transmitted to passengers via SMS and e-mails   7. Incoming passengers to Mauritius and citizens, upon request receive a COVID test certificate from the Ministry of Health and wellness (MoHW).   8. The contact tracing has been very effective in Mauritius to curb the proliferation of COVID-19 in the community   9. Report data, statistics to MoHW administration, Prime Minister's Office (PMO), Ministry of Health & Wellness (MoHW), Communicable Disease Control Unit (CDCU)   and other agencies.   The country has been able to efficiently and effectively managed the pandemic through the use of open source ICT tools and has been hailed for this endeavour at various forum in Africa.

The project contributes to WSIS Action Lines: **GOV, HEA**.

The project is relevant to **SDG3**.

MoKloud

https://mokloud.govmu.org

The project is under **Ministry of Information Technology, Communication and Innovation** in **Mauritius.**

The vision of the Government for an Intelligent, Smart and Digital Mauritius calls for a paradigm shift in our Government interactions that advocates the issuance, sharing and verification of documents to be done in a digital way.   MoKloud is an initiative under the Digital Government Transformation Strategy 2018 – 2022, aimed at transforming Mauritius into a digitally empowered society and knowledge economy.   Targeted at the idea of paperless governance and announced as a budgetary measure, MoKloud is implemented to offer a secure, flexible and easy-to-use platform for sharing, issuance and verification of documents and certificates in digital mode, thereby eliminating the use of physical documents.   Sharing of data among Ministries and Departments is now a reality and one of the key instruments of this data sharing initiative is the InfoHighway platform, which has been developed to specifically address sharing of data amongst public organisations and even private entities through web services. However, InfoHighway is currently set up to serve corporates only and citizens do not have access to the platform. Moreover, the design

of the existing solution is limited to sharing of data only, excluding documents. The MoKloud platform leverages on the InfoHighway infrastructure to provide a highly secure, flexible and user-friendly solution to enable government issued documents to be moved to electronic form and make it available for real-time access to citizens. MoKloud is a secure cloud-based platform for storage, issuance and verification of documents and certificates in digital mode. The documents available on the MoKloud platform are generated using data available via InfoHighway.

Economic- reduce the need for the citizen to take a leave from work and physically going to retrieve their civil documents, thus allowing them perform more productive work and contribute the country's economy. As a social impact, the MoKloud platform has reduced the process of queuing at civil status offices for the retrieval of civil documents and also dramatically reduce the workload of officer working there. The environmental impact of this project is the reduction of paperwork through a digitization of documents, reduction of ink and electricity usage in the printing of those documents.

The project contributes to WSIS Action Lines: **1, 2, 3, 5, GOV**

The project is relevant to **SDG13, SDG16, SDG17**
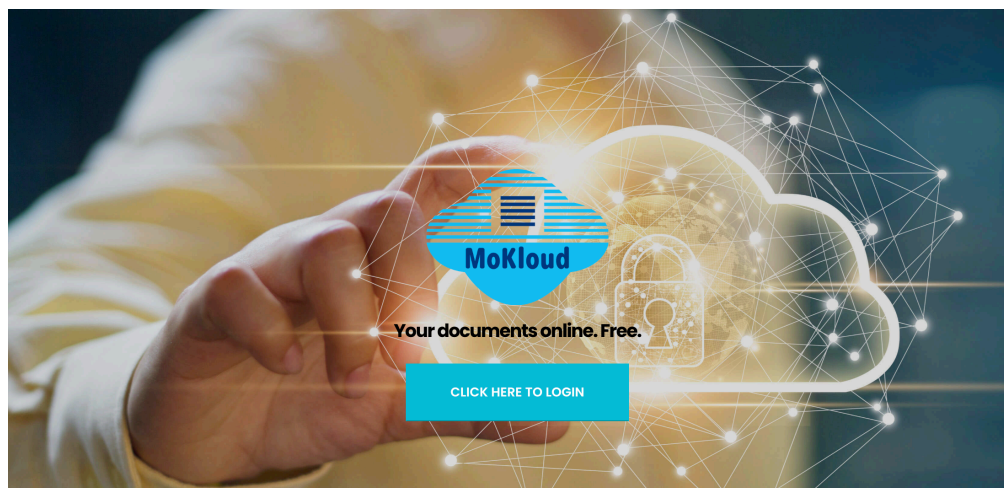
AL C7. E-business

PROGRAMME CODDA

http://www.casodd.org/en/home-en/

The project is under **CONVERGENCE DES ACTIONS SOLIDAIRES ET LES OBJECTIFS DE DEVELOPPEMENT DURABLE (CAS-ODD ONG)** in **Benin**.

In Benin, half of the population is under 35 years of age. Many of these young people are unemployed or underemployed. Failure to use or under-exploit the capabilities of this large segment of the workforce hampers economic growth and leads to social instability. This instability favors the loss and wandering of young people who think they will find the social balance of their life somewhere; what leads to the phenomenon of rural exodus and illegal immigration to the northern countries. There are also unhealthy and criminal acts on the part of very ambitious young people in search of an easy life. Despite the efforts of the Beninese government and its partners, indicators related to youth unemployment are far from promising. To rethink strategies for an inclusive

achievement of the Sustainable Development Goals (SDGs), young people are positioning themselves for "the achievement of the SDGs by young people and for young people" through the Understanding the SDGs for Better Action (Program CODDA) which has two general objectives such as :   Achieve coordination of the SDGs by young people and promote entrepreneurship through sustainable projects and activities in urban, peri-urban and rural areas;   Contribute to the reduction of the phenomenon of rural exodus of young people to cities as well as illegal immigration in the quest for social balance.   The effective appropriation of the SDGs and the advantages linked to their achievement require communications, awareness-raising, information and training.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, BUS, HEA, EMP, ENV, SCI, 8, 9, 10**.

The project is relevant to **SDG3, SDG4, SDG8, SDG9, SDG10, SDG11, SDG12, SDG13, SDG14**.

PayMeQuick

https://www.paiemequick.com

The project is under **PAYMEQUICK Ltd** in **Cameroon**.

a digital platform that allows everyone to carry out all types of banking and financial transactions without resorting to cash, and without having contact with either individuals or objects.   an opportunity for those excluded from the banking system to be able to use their telephone as a real bank account.   an innovative solution that resolves crucial problems in Africa: Scarcity of small change, resurgence of counterfeit money, income security, value-added services.   compared to the current context of COVID-19, PayMeQuick allows populations to continue to carry out commercial and financial transactions while respecting the barrier measures: pay an invoice, settle a purchase, assist a person in distress [...] all these operations can be done from his phone without physical or oral contact with third parties.

The project contributes to WSIS Action Lines: **5, BUS, EMP**.

The project is relevant to **SDG1, SDG10**.

Digital & Social Media Marketing for Women-led Small Enterprises

https://ncb.govmu.org/portal/sites/ncb/index.html

The project is under **National Computer Board** in **Mauritius**.

ICT is fully recognised as an efficient tool for the promotion of gender equality and the empowerment of women. The National Computer Board (NCB) caters for equal access to ICT tools and Internet for women and promotes ICT literacy for women through trainings and workshops. It remains a fact that Mauritian SMEs are under equipped, which explained the low capital productivity index. The net result being that local SMEs have in the current circumstances exhausted their productivity growth possibilities from technology catchup. The NCB has launched the project Digital & Social Media Marketing, targeting these Women-led Micro, Small & Medium Enterprises (MSMEs) especially women entrepreneurs to adapt to new methods of digital marketing. The programme consists of Awareness and Training sessions. This project is to guide Micro Small Medium Enterprises (MSMEs) to avail of new opportunities for Online presence and Digital & Social Media Marketing (DSMM) for boosting their business and expand their client base.   The

main objectives are: to encourage women-led enterprises to adopt IT tools, social mead and digital marketing for expanding client and market base; initiate use of ICT and creation of social media business accounts; introduce basic digital marketing tools and skills; build up skills in user friendly graphic and video tools for posting; support adoption of e-commerce.   This is the first time that such a course is being provided to women in digital and social media marketing, where women entrepreneurs were given concrete take away action lines for online presence and marketing of their products. It is widely known that a large portion of small enterprises in Mauritius are women-led and they rely mainly on word of mouth or ad-hoc local exhibitions to market themselves.

The project contributes to WSIS Action Lines: **1, 3, 4, BUS, EMP**.

The project is relevant to **SDG5, SDG8**.

Business meets Technology

https://welti.org.ng/

The project is under **Women Economic and Leadership Transformation Initiative** in **Nigeria**. The Awesome entreprenuer applying Critical thinking (No.1 skill to sail through COVID-19   and the New future).   This webinar series   developed their minds,showed them technological start-up tools   etc

The project contributes to WSIS Action Lines: **3, 4, BUS**.

The project is relevant to **SDG1, SDG5, SDG8, SDG9, SDG10, SDG17**.

Maoni online

http://maoni.co.tz/

The project is under **APA consulting company ltd**   in **United Republic of Tanzania**.

Consulting and advisor firm providing training and coaching to businesses owner enabled them developing sustainable business on the part of marketing, sales and customer retention.They have develop the system call maoni.online helping business owners received feedback from their customers for decision making and policy and operations procedures.   MAONI ONLINE is a digital platform where users can voice their opinion on any of the company listed on the platform.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, BUS**.

The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8, SDG16**.

SenetecGas
https://www.facebook.com/SenetecGas-107853721221919

The project is under **Senetec Africa** in **Zimbabwe**.

About 63.5% of all households in Zimbabwe do not have access to electricity and still depend on fuelwood and charcoal for their cooking requirements. Low-income urban households regularly pay a large portion of their paltry household income to purchase small quantities of solid fuel and LPG for their cooking and heating requirements. They even walk long distances looking for LPG and spend long hours queuing for the cooking gas exposing themselves to the Covid-19 pandemic in the process. SenetecGas is, however, a smarter and simpler way of ordering LPG in the comfort of your home on your phone and get it delivered to your doorstep. SenetecGas is the convenience of fast, clean, and affordable cooking gas all the way to your doorstep, wherever you are. SenetecGas helps prevent the spread of the Covid-19 pandemic by enabling customers to order LPG whilst in the comfort of their homes on their phones. SenetecGas provides affordable, quality gas to save on energy bills, mitigating escalating electricity costs, while protecting the environment as it reduces the cutting down of trees for firewood and charcoal. SenetecGas combines smart metering and mobile technology innovation with   clean energy to bring affordable clean energy services to the millions without access to conventional power.

The project contributes to WSIS Action Lines: **BUS, ENV**.
The project is relevant to **SDG3, SDG7, SDG15**.

E-COMMERCE PLATFORM OR PORTAL IN IVORY COAST

http://www.industrie.gouv.ci/e-commerce.php

The project is under **Ministry of Trade and Industry (Ministère du Commerce et de l'Industrie)** in **Côte d'Ivoire.**

The establishment of a government e-commerce portal in Ivory Coast for the identification of e-merchants and the development of e-commerce on the national territory.   ICT Tools telecomunications and Internet networks and servers and computer devices and management and operating systems are used for the organization of our organization.   The beneficiaries of this project are: Commercial sector, companies, youth, students, women, planters, public private sector. And this project also aims to reduce labor informality, domestic consumption, reduce unemployment and eradicate poverty.

This project aims to benefit the Commercial sector, companies, youth, students, women, planters, public private sector. And this project also aims to reduce labor informality, promote domestic consumption, reduce unemployment rate, and eradicate poverty through more job creation with the e-commerce platform.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, 6, GOV, BUS, LEA, HEA, EMP, ENV, AGR, SCI, 8, 9, 10**

The project is relevant to **SDG1, SDG2, SDG3, SDG4, SDG5, SDG7, SDG9, SDG10, SDG12, SDG16, SDG17**
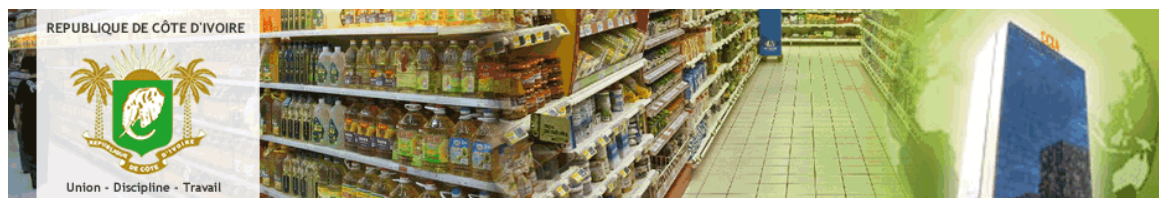
AL C7. E-learning

Implementation of blended and e-learning for out of school women and girls including disabled people

https://sofoniedala.blogspot.com/

The project is under **Angolan e-learning campus for women/ individual person** in **Angola**.

The start-up will be an e-learning campus where users can access a database of educational material. It will design training in gender equality and other customized courses that address Angolan society's identified training needs. The main purpose of this project is to reach the target audience by making education accessible to every corner of Angola. Particularly, to assist women, girls and disabled people that lack literacy capabilities.   Most of women in Angola have limited access to information, jobs and political power, most of them live below the poverty datum line and are often

forced by circumstances to turn to vending and prostitution. By educating them will increase the income of women and lead to growth in GDP. It will also close gender disparity and will lead to a number of social benefits, including jobs opportunities. The intended target market will be millennials, out of school women and girls, those born after 1985. The reason for selecting this target market is that millennials are digital natives and they use internet and use electronical devices such as laptops, mobile phones, tablets to search for information. We will improve the life of billions of people who are currently held back by a lack of technology. People who don't currently have access to proper teaching will be able to receive education. Our goal is to close global equity gaps in education and in media.

The project contributes to WSIS Action Lines: **1, 4, 5, LEA**.

The project is relevant to **SDG3, SDG4, SDG5, SDG8**.

WETECH Women's Innovation Center

https://we-tech.org/

The project is under **WETECH** in **Cameroon**.

Launched in April 2019, WETECH (Women in Entrepreneurship and Technology) is an innovation platform and center aimed at promoting and supporting African women in the fields of technology and entrepreneurship. WETECH provides a solution to the problem of women's representation in the fields of entrepreneurship and technology while providing them with the training, resources and network they need. WETECH's services include: - A training center in new technologies for women: We already offer coding training to young girls (students) and young women in the city of Douala, and in the city of Yaoundé with our partners. We teach women how to code, how to build websites, web and mobile apps, but not only. Other digital trainings are added over time, ranging from graphic design to cybersecurity. - An incubator: Already having human and technical resources for our training center, women are more apt and equipped to create projects and start-ups in the digital field. Women are supported in the development of their projects through our various incubation programs. Currently WETECH is a partner and member of the Advisory Board of the "Capacity Building Series" program for women entrepreneurs initiated by CINOLU, in the DRC. In addition, we are also launching a leadership and support program aimed at supporting women entrepreneurs through Technology in 10 African countries, in collaboration with local Tech hubs.

The project contributes to WSIS Action Lines: **3, LEA, 11**.

The project is relevant to **SDG4, SDG5, SDG10**.

African Digital Schools Initiative

https://oer-studentresources.gesci.org/

The project is under **Global E-Schools and Communities Initiatives** in **Kenya**.

"GESCI COVID-19 Response: https://gesci.org/news-room/news/single/news/detail/News/gescis-covid19-response/   Global e- Schools and Communities (GESCI) is primarily responding to the COVID crisis in education through: ¬ Launching a Students' Resources for online learning platform: https://bit.ly/2Lf1uEN   ¬ Teacher Professional Development (Coding webinars: https://bit.ly/3cyIT2c   ¬ Engaging teachers through the Community of Practice: https://bit.ly/3dyvojh   ¬ The e-Readiness Framework and Costing of ICT Integration Model"

The project contributes to WSIS Action Lines: **1, LEA**.

The project is relevant to **SDG4, SDG5**.

InABLE's- COVID-19 Response Project

https://inable.org/index.php/projects/

The project is under **inABLE** in **Kenya**.

"InABLE Home Schooling Project: A lack of access to computer technology or reliable Internet connectivity is an obstacle to continued learning for many students, including special needs students. To create the right remote learning, inABLE is working to deliver educational resources to blind and visually impaired students using Internet access, computer assistive technology and an educational support team.   Promoting Inclusive Education Through Accessible Digital Content Project: to improve the learning opportunities for learners and young people with disabilities and ensure their rights under the UN Convention on the Rights of Persons with Disabilities this project will: develop interactive digital accessible learning materials in a variety of media formats (EPub4 and DAISY) for learners with disabilities in Kenya and increase access to relevant interactive digital learning resources for persons with disabilities.   Case Study on Experiences in Home-Learning for Primary and Secondary-School Students with Disabilities in Kenya: This is a research project involving a collaborative effort to begin to document the experiences of Kenyan students with disabilities in these challenging times of learn-from-home due to the COVID-19 pandemic. The main output of is a technical report that will inform decision-

making at local and national levels."
The project contributes to WSIS Action Lines: **3, LEA**.
The project is relevant to **SDG4, SDG10**.

Leap Hubs
http://leaphubs.com/

The project is under **RCD Africa, Global Peace Education** in **Kenya**.
Leap Hubs is a Leadership and Entrepreneurship program initiated in 2013 and piloted in Kenya in 2015, that provide guidance and space in secondary schools for highly motivated students to explore their ideas and learn what it takes to become business and social entrepreneurs. It immediately introduced innovation and incubation spaces in schools, where students can gain valuable skills including tech leadership, innovation, marketing, problem solving, product development, finance, and planning. In 2015 Leap Hubs was scaled from the initial 8 pilot schools to   24 public secondary schools. 96 business and social enterprise ideas were in various levels of incubation by the end of 2015.   By 2017 the girls (Leap Girls) were leading in projects and mentoring had been introduced to primary school girls. This project is the first of its kind to get endorsed by the Ministry of Education, Kenya.
The project contributes to WSIS Action Lines: **LEA**.
The project is relevant to **SDG3, SDG4, SDG5, SDG16**.

Uhai binti
https://www.facebook.com/uhaibinti3

The project is under **Uhai binti** in **Kenya**.
According to the National coordinating agency for population and development (NCAPD) Kenya 46% of Kenya's population lives below the poverty line. Of this 70% are young people below 35 years .Of this percentage 65% are below 25 years. However the disturbing fact is that 80% of this population is rural and even more disturbing that of this percentage 64% are girls aged 14 to 25. Lokichoggio Turkana is an arid region faced with perennial droughts, as thus many families cannot afford a daily meal. Fathers opt to marry their daughters at an early age (13 to 16 some as early as 11) not only as a way of easing the financial burden but also as a source of income to the family. Many of these girls often lack basic education and hence even in their married life have no knowledge of family planning methods. As a result by the age of 19 most have 4 to 5 children. With little or no education these young mothers have no access to formal employment opportunities, they resort to subsistence farming which yields very low returns in an arid and drought prone region. They are thus left to depend on their pastoralist husbands for their daily needs, leaving them with no bargaining power and vulnerable to domestic violence. For the few girls attending school the challenges are immense. There is only one school in Lokiding region which is roughly 5 km away from the three villages. There are not enough textbooks for everyone (1 among 5) and the puberty aged girls end up missing three months of school each year due to menstruation UhaiBinti (Girl Alive) was founded in November 2011 during the Global youth summit 2011 with the sole purpose

of looking for a comprehensive approach to addressing these issues.   Through our SMS platform, social media page and community workshops we have reached over 695 girls,   200 of whom have registered to access school for the first time. In addition   1500 textbooks have been collected through our book drives and 24 girls engaged in social entrepreneurship.

The project contributes to WSIS Action Lines: **3, 4, LEA**.

The project is relevant to **SDG4, SDG5**.

Digital Skills for Women, Girls and Teachers

http://wit.ng/

The project is under **Women in Technology in Nigeria** in **Nigeria**.

">>Teachers are equipped with digital skills to enable them teach effectively online due to pandemic via our teachers.ng network.   1. Record and edit audio, video for e-Learning   2. Creating simple website, blogs and WIKIS   3. Google Cloud computing for Education   4. Creating Engaging Visuals, Multimedia and Presentations   5. Creating Digital Quizzes and Assessment online   6. Integrating Social media into learning   7. Cybersecurity for Teachers (cyberbullying)   8. Efficient and Effective Web Search   9. Game-based Teaching   10. Computational Thinking   11. Managing e-Learning Platform   12. Advanced Spreadsheet   13. Digital Story Telling   14. Entrepreneurship and problem Solving   15. Project based experiential learning: Critical thinking, teamwork, Collaboration,   Communication   16. Working with files (including reducing sizes of online files)   >>Women are being provided with digital skills and   entrepreneurship opportunities via our wit.ng network.   Girls, through our icamp.ng project are being equipped with up to date 4IR. Modules include   Modules Coding Robotics Video Editing Cybersecurity Web development Digital Story Telling Artificial Intelligence Mobile Apps Development Leadership & Entrepreneurship Graphics, Drawing and Animation Design, Computational & Critical Thinking"

The project contributes to WSIS Action Lines: **LEA**.
The project is relevant to **SDG4, SDG8**.

The Visiola Foundation
https://www.visiolafoundation.org/

The project is under **The Visiola Foundation** in **Nigeria**.
The Visiola Foundation has an innovative approach in mentoring and teaching students in the STEM fields. Programs:　　1. STEM Summer Camps: This is an exciting week-long residence program designed to pique the interest of teenage girls in the STEM fields. During the camp, students are taught concepts and projects in robotics, electronics, mechanics, and computer programming.　　2. Coding Boot Camp: This is an intensive training program that provides participants with a strong foundation upon which to build their careers as computer programmers and tech entrepreneurs. Students are taught full-stack web development, python programming, graphic design, and provide opportunities for students to gain internships from leading technology companies in the country. 3. After School STEM Clubs: The Visiola Foundation's after-school STEM Clubs for Girls are customized around the core foundational literacies, competencies, and character qualities required for success in the 21st century. The content of the program is designed to complement schools' academic instruction, with emphasis on Math, English, and Science. The Visiola　　These programs are providing a new set of opportunities and benefits to the female workforce of tomorrow by equipping young women from low-income backgrounds with these high value and high wage skills to enable them to become financially independent. These STEM programs have been created to produce the following outcomes:　　• Improved female attitudes towards technical skills, while tackling inhibiting gender stereotypes.　　• Increased STEM knowledge and skills evidenced by improved academic performance and leadership development.　　• Increased confidence in studying STEM subjects.　　• Increased number of women leading successful careers through STEM entrepreneurship.　　• Increased number of female entrepreneurs in high-income technical fields.　　• Increased number of female innovators tackling important challenges to improve socio-economic development in Nigeria and Africa."
The project contributes to WSIS Action Lines: **3, 4, LEA**.
The project is relevant to **SDG4, SDG5, SDG8**.

ICT for girls
https://www.cypfnigeria.com

The project is under **Child and youth protection foundation** in **Nigeria**.

The program is providing ICT for girls in public schools in Abuja and the project is presently in 4 public schools. The girls are taught basic ICT skills weekly and the schools are also given desk top computers.   Over time we have seen an increased computer knowledge among the girls and also the girls are now encouraged to get more knowledge. Presently, 200 girls are on the program. Our Vision: A society which respects the rights of children and youth: a society which promotes positive and enabling environment for children and youth to grow and develop into responsible adults; a sanitized society.   Our Mission: Is laying the foundation for a good future for children and youth in the society and empowering them to be responsible citizens of the Nation. Ensuring that children are not in any way exploited, thereby creating an enabling environment for proper growth and development.

The project contributes to WSIS Action Lines: **3, 4, LEA**.

The project is relevant to **SDG4, SDG5**.

Women Digital Literacy

https://yelffoundation.org

The project is under **Yasmin Elrufai Foundation** in **Nigeria**.

Yasmin Elrufai Foundation is a non governmental, non profit and apolitical organization designed to nurture the innate creativity in children up to 19 years of age and giving second chance to education to women between 13 to 30 years of age by leveraging on existing structures within target communities. The program runs through a year and half with the first segment of a one year course that focus on basic literacy, numeracy and civic education, the second segment   is a three month digital literacy training focused on giving the women digital skills to improve their productivity and finally to train them on unique business skills to support and change their lives for the better.   It's a unique initiative designed to intervene specifically on women's needs. This was achieved after needs assessment and reliable data analysis by education experts.   The main focus of the WLP has been to enhance the literacy, numeracy and ICT knowledge of the woman beneficiaries in order to equip them with the necessary skills to start or improve their businesses to the level that they can be financially secure. However, it has become evident to us that many of the women are desirous of going further with formal education. Some have expressed interest in enrolling in the university to study such disciplines as Medicine, Law, Accountancy etc. As a result, in future, interested learners will be given all the necessary support they need enable them to re-enrol into regular schools in order to get the certificates that will enable them to eventually secure admission into tertiary institutions.   The YELF women literacy program began with four maiden centers of 20 students per center, totaling to 80 students in the 2017/2018 session. With the support of Ford Foundation the organization increased the number of centers to 10 all within kaduna state metropolis with 25 students per center, totaling to 250 students.

The project contributes to WSIS Action Lines: **3, 4, LEA**.

The project is relevant to **SDG4, SDG5, SDG8**.

Inspire A Child

http://lms.fliplearnkids.com/info/

The project is under **FLID SERVICES** in **Nigeria**.
The work of the organization is targeted on how to upskill the girlchild and females in the society on digital prowess, vocational training and entrepreneurship   The initiative is innovative in that it has helped to promote digital learning in schools and accorded it the desired attention required Many girls both in the primary and secondary schools have benefited a lot through this initiative by getting first-hand training on digital skills from tech professionals as well as digital equipment like kindles and modem for online activities. Many also have been trained in vocational studies
The project contributes to WSIS Action Lines: **1, 4, LEA**.
The project is relevant to **SDG4, SDG5, SDG8**.

YEEP project

https://campus.jobinrwanda.org/

The project is under **Job In Rwanda Foundation** in **Rwanda**.
YEEP project the main project is to create and put on line courses in different areas which helped and still help the rwandan population,students, employees and employers to keep learning while staying home.
The project contributes to WSIS Action Lines: **3, 4, LEA**.
The project is relevant to **SDG5, SDG8, SDG16**.

Google Next Gen CS First Clubs in South Africa & Tsosoloso Educational Programme
http://tsosoloso.com/about-us/

The project is under **Exigent** in **South Africa**.
Tsosoloso is a registered Non-Profit Start-Up (133-631 NPO) working with primary schools in the Northwest Province, in South Africa. The mission is to distribute educational content and resources, including bilingual self-published content to the schools; facilitate training programmes for teachers to promote an engaging and interactive learning experience; as well as setup library facilities. Their goal is to promote innovation, problem-solving abilities, collaboration, critical thinking, and experiential learning among our learners using technology as a driver. As such, Tsosolso partnered

with Google's Next Gen CS project to introduce coding and Computer Science to students in underserved communities.   Project: The Schools are in the farming, mining, and township communities. They created the first computer science club at each school totalling 75 learners across the 3 schools with 9 clubs in total across the schools with a mixed group between grades 4 and 7. They are severely under resourced with no or limited computers in the computer labs to cater to the learners. The Google Grant was very small and Tsosoloso had to be creative in the way they utilized the budget to roll out the project, they hosted a online fundraiser for portable devices to accommodate 225 learners/club members across the supported schools. Attendees for the learners were not limited to high performing students but included students who demonstrated consistency and improvement and those who struggle but show progress, cultivating an inclusive learning culture. The coding program is ongoing for the learners until they move on to the next the phase of their academic careers to secondary school to ensure progression.   Students were transported to the computer lab once a week during the activity period (after school). In some cases, Tsosoloso hosted Saturday classes and during the winter school holidays they had a week long boot camp for revision and re-engage learners.

The project contributes to WSIS Action Lines: **2, 4, LEA**.

The project is relevant to **SDG4, SDG8**.

Tigo Eschools Platform

https://tigoeschools.co.tz/

The project is under **Apps and Girls** in **United Republic of Tanzania**.

"Tanzania has approximately more than 14 Million pupils in pre and primary school level and more than 7 Million students in secondary school enrolled in school (UNESCO 2016), who are out of school due to the pandemic. Even before the pandemic crisis, we were already experiencing an education crisis, as many learners were not learning fundamental skills needed in life, increased school dropouts rates, lack of enough learning materials in schools and the very high ratio of teacher to learners.   This is a difficult situation for parents who are unable to support their children's learning materials/content at home,   with the unequal livelihood in Tanzania these negative impacts will be felt disproportionately by poor children.   Apps and Girls and Nlab with their partners Tigo Tanzania, we have created the eschools web-based platform   to provide interactive and continuous learning opportunities to children in both rural and urban areas across Tanzania during

COVID-19 and after, by connecting learners, parents and teachers while improving the educational opportunities for learners at home. The learners are able to attend virtual classes conducted by teachers, ask questions and attempt quizzes during the lessons. Also they can revisit their teachers' lessons since it can be auto-recorded by the platform."

The project contributes to WSIS Action Lines: **3, LEA**.

The project is relevant to **SDG4**.

CITY OF JOHANNESBURG LIBRARIES FACEBOOK VIDEO SERIES DURING COVID 19 LOCKDOWNS

https://www.facebook.com/JoburgLibraries/

The project is under **CITY OF JOHANNESBURG MUNICIPALITY LIBRARIES** in **South Africa.**

Covid 19 Lockdowns were introduced in South Africa, in March 2020. In April 7, 2020, City of Joburg libraries begun an online series using Facebook. The series called "eLearning Lockdown Video Series" which involves librarians giving tips, on different activities and online content relevant for education, business and personal development, has reached more than 20 000 video views since it was introduced. As part of the Lockdown Video Series, between 01 June-30June, 2020 a youth competition called Teach-a-Senior Citizen Digital Skills was introduced . Participants were expected to make a short video demonstrating how their senior family members to use tablets, smartphones and computers for various purposes such as reading, doing online transactions, socializing, or surfing the internet. Most of the videos received demonstrated to senior citizens, how to us using smart phones for communication, social media and reading needs, and submissions came from all 7 regions of Johannesburg. 17 participating youth were selected for their excellent videos and awarded with tablets donated by MTN Foundation a local telecommunications company.

Through Lockdown series, communities have been introduced to Apps, eresources for students and researchers and Digital Storytelling, this lead to librarians learning to create videos , editing, identifying digital content and it also taught them how to use social media to provide information services.

The competition benefited the community because it was aimed at addressing the following: Digital inclusion: Bridging the digital divide between generations to ensure that senior citizens are included in the use of technology for education and personal development. Digital Literacy: For both youth and senior citizens. During the process of teaching another person how to use technology, one also learns new things, so the youth themselves also benefitted and learnt new things. Social cohesion: the competition also encourages young people to interact with senior citizens around them, for them

to understand the needs of their senior citizens and assist to embrace 4IR. This creates harmonious family units particularly during and post lockdown It was also a competiton that was promoted to other regions, and will be conducted again next year 2021 on a bigger scale. the competition resulted in a campaing called "Donate a Tablet or Data for Youth" which begun in July 2020.

The project contributes to WSIS Action Lines: **1, 3, LEA, 8**

The project is relevant to **SDG4, SDG5, SDG9, SDG16**

AL C7. E-health

COVID 19 SCHOOL DIGITAL REGISTER

http://www.uasf.org.bw

The project is under **Universal Access Service Fund** in **Botswana**.

Our core activities are to reduce queue times, enforce social distancing within our schools and avail instant data to local clinics. SHE officers and teachers team up to screen students temperatures. "1. Web based technology   2. Offline Technology   These technological approaches are meant to increase usage and coverage of all our regional schools.The hardware tools in use are laptops and tablets."

The project contributes to WSIS Action Lines: **HEA**.

The project is relevant to **SDG3**.

Save the Children COVID-19 Messaging in Burkina Faso and Cambodia

https://www.savethechildren.org

The project is under **Save the Children US** in **United States of America**.

"In Cambodia and Burkina Faso, through the USAID Breakthrough-ACTION project, and in partnership with each country's Ministry of Health, Save the Children, and Viamo have coordinated communication campaigns using Viamo's 3-2-1 Service to quickly disseminate essential information related to COVID-19 nationwide, for free. In Burkina Faso, Save the Children and Viamo developed twenty-five key messages, including those addressing local misconceptions, a COVID-19 knowledge quiz, and a remote training curriculum for community health workers. The content was validated by the Ministry of Health, recorded in five languages (Moore, Dioula,

Fulfulde, Gulmancema and French), and made available to anyone with a mobile phone simply by calling '321'. From March 26th, 2020 to May 20th, approximately 55,000 unique callers listened to nearly 280,000 key messages on the Service in Burkina Faso. In Cambodia, Save the Children and Viamo developed ten messages to promote understanding, prevention, and treatment of the diseases as well as an interactive audio game to test COVID-19 knowledge. The messages are were recorded in Khmer, pre-tested, and then finalized to be made available on the Service. Viamo's MNO partner Cellcard is currently sending SMS messages to their 3 million subscribers to promote the content." https://www.youtube.com/watch?v=5KLUTyDoJ94&ab_channel=The3-2-1Service

The project contributes to WSIS Action Lines: **3, HEA**.

The project is relevant to **SDG3**.

Remote Patient Monitoring System for Gestational Diabetis Mellitus in Pregnant Women using AI, Machine Learning and Big Data
http://agon.bluegatebs.com/rpmsproject

The project is under **Agon Data Corporation** in **Kenya**.

According to WHO, more than 18% of coronavirus deaths in Africa are among patients with diabetes. And rates of gestational diabetes mellitus (GDM) are also increasing rapidly. With rise in Covid-19, Africa's hospitals are strained, congested and depressed with lack of GDM screening facilities and diagnosis practices. This leads to inadequate post-partum follow up, support and clinical care of GDM resulting to deaths of both the mother and featus.   To solve this problem, we have developed a complete Remote Patient Monitoring System (RPMS) for Gestational Diabetis Mellitus in Pregnant Women using AI, Machine Learning and Big Data. The project aims to reduce the number of visits of pregnant women who suffer from chronic diseases with a focus of diabetes, to antenatal and diabetes care units through Remote Patient Monitoring (RPM) thus highly reducing number of admissions and hospitalization costs while increasing patient care at home.   RPMS includes a mobile app (connected to ease data collection, and presenting analytics results to the patients), and a web portal to the medical team. Patient data is sent, through secure channels, to the hospital server, where medical staff can analyze the data in short term (e.g. some daily trends) and issue corresponding notifications. Simultaneously, the data analytical methods for detecting trends in patient behavior. The system is also capable of predicting potential out of range trends and alerting both doctors and patient.   Results Achieved: i). RPM project has been approved by Ministry of Health as highly feasible and ranked for pilot ii). Pilote testing has been carried in 3 hospitals in Kenya with 95% success iii). The project has been shortlisted in three competitive awards waiting pitching. iv). Several partership invitations has been done awaiting approval   Impact: Reduction of GDM and Covid-19 deaths in women globally by 18%   &   reduction in cost of

treatment and care, improving quality through better patient outcomes and improving access to healthcare facilities.

The project contributes to WSIS Action Lines: **2, 3, GOV, HEA**.

The project is relevant to **SDG1, SDG3, SDG5, SDG10**.

Re -use Waste Restoring Health

http://lastmilemed.org/

The project is under **Last Mile Medicine** in **Kenya**.

Disrupting pharmaceutical supply chain by redistributing unused, unexpired medicine that would otherwise be destroyed through an online platform matchmaking from health facilities, manufacturers & wholesalers with the needs of patients in safety-net

The project contributes to WSIS Action Lines: **1, 2, 6, HEA**.

The project is relevant to **SDG3, SDG10, SDG12**.

Virus Disinfection Atomizer (VDA)

https://contest.techbriefs.com/2020/entries/medical/10379

The project is under **Sunrise innovations Ltd** in **Kenya**.

The Covid-19 is considered one of the most serious global health threats in decades and has grown to impact the entire world. Countries around the world have been taking all measures to flatten the curve. But many people are not adhering to protective guidelines by WHO such as social distancing, sanitization, etc. The virus is transmitted through direct contact with respiratory droplets of an infected person (generated through coughing and sneezing). Individuals can also be infected from and touching surfaces contaminated with the virus and touching their face (e.g., eyes, nose, mouth). The COVID-19 virus may survive on surfaces for several hours, but simple disinfectants can kill it My innovation is Virus Disinfection Atomizer (VDA). A chlorine compound sprayer, Electrolysis system that uses salt + water without adding any other additional chemicals and produces an on-site instant fresh but highly active chlorine in the form of 0.1% sodium hypochlorite, to effectively disinfect the VIRUS on frequently touched objects and surfaces but yet still remains safe to the humans. 10 mins Disinfect All Areas, No Dead Angle, Full Automation, Non-Stimulating, Non-Pollution & Non-Corrosive. Using this product to disinfect the VIRUS on frequently touched objects and surfaces. Protect your families, loved ones, people whom you care about, protect your friends and colleagues around you. Disinfecting the VIRUS is very essential to keep everyone safe. Application This solution is needed by All Citizens of any race or religion, Every human being and Any living creature on this planet. It should be used at Home, school facilities, offices, shopping malls, classrooms, restaurants, hotels, car interior, gyms, apartments, warehouses, bars, car parks, retail shops, supermarkets, B&B, Club House, and many more.

The project contributes to WSIS Action Lines: **1, 4, 5, HEA**.

The project is relevant to **SDG4, SDG8, SDG11, SDG16**.

NATIONAL REGISTRATION AND IDENTIFICATION SYSTEM (NRIS) OF MALAWI

https://www.mw.undp.org/content/malawi/en/home/projects/national-registration-and-identification-system-project.html

The project is under **UNITED NATIONS DEVELOPMENT PROGRAM** in **Malawi**.

Project Goal: To ensure a permanent and continuous national registration and identification system is established in Malawi   Project output: Design, establish and manage the necessary systems, infrastructure and equipment for the National Registration and Identity system, employing biometrically secure Smartcards   Results achieved: 10 million Malawians were issued smart national IDs hence, achieving SDG16 target 9 of providing Legal ID to adults (the project has extended to add children registration due to the success of adult registration). Following linkages of Legal ID (National Smart Card) with Ministries, Departments Agencies brought the digital dividends of development: 1. Electoral Rolls prepared using National IDs for easy, quick, and accurate voter registration underpinning "One Person, One Identity, One Vote" sans inclusions or exclusion errors resulting in savings of US$10 million.   2. NRIS and CRVS systems are interlinked. Each birth certificate issued by birth registration software will include Unique National ID, thus establishing one national ID from cradle to grave. Child registration will commence this year.   3. National ID is used as tax ID resulting in combating identity fraud in income tax returns and refunds, and will combat tax evasion   and it is also used as the primary source of identification for KYC. Moreover, it is linked to civil service payroll, resulting in identifying ghost workers   4. Unified Beneficiary Registry: Malawi's social benefits registry for cash transfers for poor, social grants and benefits are linked with National ID. The Unified   Beneficiary Registry now contains National ID field.   5. Ministry of Health: using Unique ID as patient ID, recording vaccination combating medicines smuggled to neighboring countries.   6.. Ministry of Agriculture: on linking fertilizers distribution or other subsidies to farmers with National ID card

The project contributes to WSIS Action Lines: **2, 4, 5, GOV, 8**.

The project is relevant to **SDG16**.

FUMACOAPP

http://fumacotanzania.weebly.com/

The project is under **FUTURE FOR MARGINALISED COMMUNITY** in **United Republic of Tanzania**.

The idea of this project was born after observing that data from Ilemela District Health Information System was missing information about younger generation on abuse and utilization of HIV/AIDS related services. It was found that there is limited data on abuse and use of HIV/AIDS related healthcare services among young people aged 10 to 24 years' old who are at a highest risk of acquiring HIV/AIDS. FUMACOAPP as a project has a broad objective of capacitating adolescent girls and young women (AGYW) in decision making in fighting against abuse and HIV/AIDS by making sure that there is an increase of awareness and hence access to healthcare services. Hence the seeks addressing component of abuse as one of the main risks of acquiring HIV/AIDS in AGYW. The project also seeks to unmask true magnitude of abuse, improving reporting of abuse among AGYW, improve health seeking behavior for HIV/AIDS related healthcare services, data availability and sharing of data on abuse.   INDIVIDUAL LEVEL   Project expects to see people increase awareness of abuse and HIV/AIDS, Increase use of HIV/AIDS and abuse related health care services.   COMMUNITY LEVEL   Project expects to see change in perceptions and attitude towards abuse as a risk factor of acquiring HIV/AIDS   POLICY LEVEL Project seeks to see more customized interventions targeting adolescent girls and young women aged 10- 24 in fighting abuse and HIV/AIDS infections   Project will bring changes related to awareness on abuse and HIV/AIDS, improved access to related health care services, increased deliberate decision of AGYW in fighting against HIV/AIDS and increase availability of data on abuse and HIV/AIDS.

The project contributes to WSIS Action Lines: **3, 4, HEA**.

The project is relevant to **SDG3, SDG5, SDG10, SDG16**.

AL C7. E-employment

Woman DNS Academy

http://womandns.academy/

The project is under **Chapitre Bénin de l'Internet Society** in **Benin**.

The Benin Chapter of the Internet Society is the main stakeholder organization of the Benin DNS Forum (along with 4 other non-profit organizations). Through the Benin DNS Forum initiative (www.dnsforum.bj), the Woman DNS Academy Program has been initiated. The Woman DNS Academy Program is a high-level certification training exclusively for women on the development of skills in Internet technology engineering and digital leadership. The Program was launched in 2016 and, after 4 successful editions, is now a big hit with women engaged in the Internet technology ecosystem. Each year, the Woman DNS Academy Program selects 20 young women aged 18 to 30 at the end of their studies in ICT engineering or active in professional life following a call for

applications to benefit from a full scholarship for this training. The organizing committee receives an average of 80 applications each year. The participants, during this program, learn and implement Internet technologies (TCP / IP networks, virtualization, Internet CyberSecurity, Domain Name System) but also develop skills on economic models around domain names and entrepreneurship in the DNS (Domain Name System) sector. The objective is to offer not only an in-depth knowledge of Internet technologies (such as IP (Internet Protocol), DNS, other open protocols) but also to create a real craze within the female gender to be interested in issues related to the development of Internet technologies and Internet governance. During each training course, the 20 women beneficiaries take a practical approach to the technical aspects of DNS, the economic aspects and entrepreneurship around DNS and Internet technologies. The program also initiates a networking meeting between new and old beneficiaries with women leaders and digital and Internet pioneers in Africa through WDA Networking.

The project contributes to WSIS Action Lines: **2, 3, 4, EMP**.

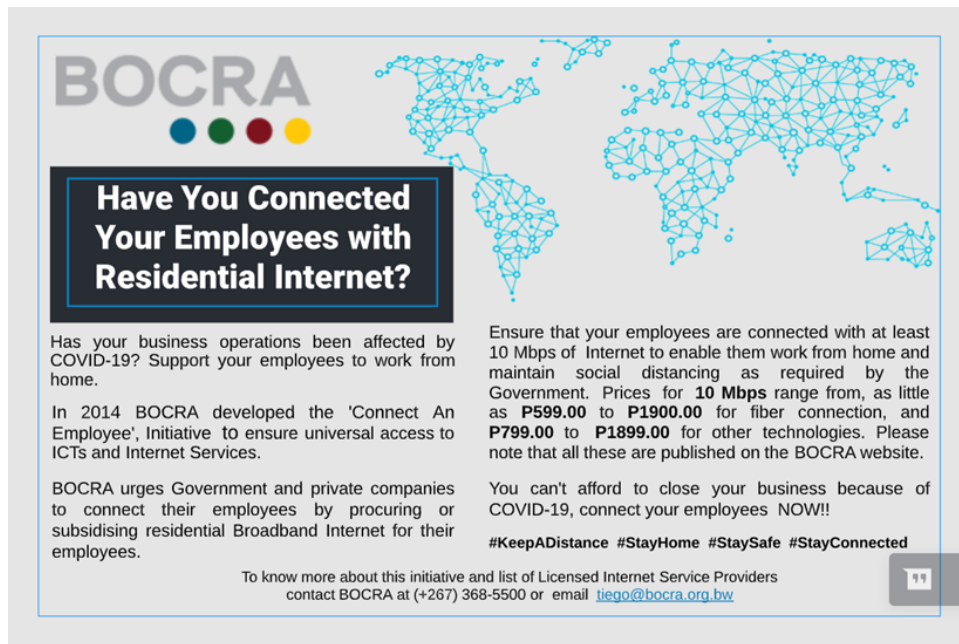The project is relevant to **SDG4, SDG5**.

Connect an Employee Initiative

https://www.bocra.org.bw/

The project is under **Botswana Communications Regulatory Authority** in **Botswana**.

Connect an employee is an initiative developed by BOCRA to encourage Government, Parastatals and Private sector to connect their employees to residential broadband internet. This includes employers paying for monthly residential internet of their employees as an incentive/ benefit that will allow them to work from home.   This initiative was developed in 2014 with minimum set internet speed for residential connectivity   at 2mbps. However, in 2020 the speeds were revised considering changes in market trends with demand for more data hungry applications as well as to carter for working from homes. The newly revised speed is minimum of 10mbps which will allows for virtual meetings, continuous use of multiple applications and devices connected to the internet whilst giving the user best reception.

The project contributes to WSIS Action Lines: **1, 2, 4, GOV, BUS, EMP**.

The project is relevant to **SDG8, SDG9, SDG17**.

Pwani Teknowgalz

https://www.pwaniteknowgalz.org

The project is under **Pwani Teknowgalz** in **Kenya**.

Pwani Teknowgalz is a fast-developing, young, women-led, non-profit organization that aims to bridge the gender gap of women in STEM careers by providing a holistic environment for women and girls through practical STEM training, mentorship, and workshops. Our objectives are: To spark interest in high school girls to pursue STEM careers. We have pioneered and conducted a broad spectrum of practical STEM projects in both public and private high schools in Mombasa Kenya. These programs include; Technovation Girls, Africa Code Week, Mombasa Girls in STEM, and STEM CAFE KENYA. To equip women with employable coding skills. We equip young women aged 17 -28years from marginalized communities in Mombasa, for example, Kisauni, Mvita, Bamburi, Changamwe, Likoni, Maweni, with free three months employable coding skills through our CodeHack initiative to allow them to be self-sustainable, economically empowered, and to have the confidence to contribute to the digital economy. Pwani Teknowgalz run Women in STEM conference yearly in October in the coastal region during an Innovation week called Pwani Innovation week. During the conference, female speakers and mentors from companies dealing in technology like Safaricom, Huawei and Cellulant attend to share their journey and experiences in STEM careers. Pwani Teknowgalz conducts mobile application programs for both private and public school students through technovations girls' project. We have worked with 23 high schools since 2015. Pwani Teknowgalz conducts practical website development, computer essentials, and mobile development at Swahilipot hub, a technology space in Mombasa where girls and young women come to acquire such invaluable skills. Additionally, we involve girls in both public and private schools in practical STEM projects. Covid-19 pandemic has changed how we do things and as women in technology organisation, we have adapted to the changes and are currently running

our website development classes online.
The project contributes to WSIS Action Lines: **1, 2, 3, 5, BUS, LEA, EMP**.
The project is relevant to **SDG2, SDG3, SDG4, SDG5, SDG8**.

ZINAKE

https://www.zinake.com

The project is under **Engoho Kuku Farmer** in **Kenya**.
Zinake is a cloud based platform that conveniently connects temporary workers to job opportunities in their locality at the click of a button. Zinake is a community innovation that ensures that users (individuals or organizations) are guaranteed of quality service from temporary workers without having to undergo the complex, tedious, expensive and time wasting recruitment and verification process. When a user needs services of temporary worker, he/she creates a request on the Zinake platform. The workers who have enlisted to provide that service are notified of the available job opportunity. Interested workers respond to the request by bidding. The user then checks the bids submitted and selects the winner. The winning worker is then notified to go and work. Upon completion, money is transferred from the Employer's wallet to the   worker's wallet. The users then rate/review each other after every transaction. Zinake through collaboration with strategic partners carries out thorough background checks and competence verification of all signed up workers. The workers are insured against accidents and professional indemnity. Zinake was founded with the vision of reducing poverty, idleness and unemployment among the youth in Kenya. After years working with thousands of casual laborers, it became apparent that convenient access to other key stakeholders was key. Through customer discovery interviews and feedback, it became apparent that there was need for convenient access to reliable and competent temporary workers across different sectors in Kenya. Hence Zinake was founded so that employers do not have to undergo the complex, tedious, expensive and time consuming recruitment and verification process.
The project contributes to WSIS Action Lines: **2, EMP**.
The project is relevant to **SDG1, SDG8**.

Women in Data

https://web.facebook.com/198099617316377/

The project is under **Tunga Tanzania Data Lab (dLab)** in **United Republic of Tanzania**.

dLab is a center of excellence for data and data-driven innovation that brings together critical components of the ecosystem that need to be in place for evidence-based decisions. dLab started as a project under the Data Collaboratives for Local Impact program (DCLI) - which was funded by PEPFAR and implemented by MCC at the University Dar es Salaam Computing Center (UCC) and later was registered as an NGO. dLab envisions "Africa where data is frequently and effectively used to inform policy and decision making at all levels." dLab's mission is "To strengthen data ecosystems and data usage in innovation, policy, and decision making on health, economic growth, and gender in Tanzania and Africa." Through the first year of dLab existence, we realized that less than 30% were women engaged with dLab activities. Therefore we decided to establish a Women in Data program which aims at equipping more women with digital literacy skills and aspire young girls to take STEM subjects and eventually pursue careers in tech such as data science. The main aim of the Women in Data program is to create a pipeline of female data scientists and engineers. This program aspires to light a spark of curiosity in data science, analytics, and ICT in general, that could end up leading to a career with endless opportunities. So far, around 1470 girls and young women have been reached by women in tech programs.

The project contributes to WSIS Action Lines: **1, 2, 3, 5, BUS, LEA, EMP**.

The project is relevant to **SDG1, SDG3, SDG5, SDG8**.

Women and Girls Pivoting Resilience In the Digital Economy in Africa

https://WomenPRIDE.Africa

The project is under **Association of Women in Technology** in **Nigeria.**

Women Pivoting Resilience In the Digital Economy in Africa (WomenPRIDE.Africa) is an initiative of Women in Technology in Nigeria(WITIN) which equips women and girls to thrive in the digital economy via three pivotal pillars: In-demand digital skills training; urban-rural partnerships & empowerment; and meaningful access and adoption advocacy. A five-year action plan(2020 – 2025) in partnership with the ITU Girls in ICT and Partner2Connect coalition. In 2020 pilot for young women and girls, 120 participants adversely impacted by the COVID lockdown were trained on starting up small businesses as front-end developers, who began to build websites immediately after the training. In 2021 pilot for rural women, the initiative sensitized and surveyed face-to-face 1200 under-connected and unconnected marginalized women who live in digitally disadvantaged communities across the six geopolitical zones in Nigeria; for rural-urban partnerships and empowerment. WITIN also works closely with telecom regulators for consumer awareness advocacy as well as engage stakeholders to influence relevant policies both locally and internationally. This initiative would immensely eradicate hunger and poverty while bridging the digital gender divide in Africa. WomenPride.Africa targets empowerment of 10,000 women and girls by 2025. Beneficiaries would be monitored and evaluated long-term. The partnership between young women in urban and elderly women in rural areas fosters societal socio-economic cohesion. Some prospective beneficiaries are farmers who have experienced huge loses due to food wastage , this project would help reduces such wastage which is good for the environment. In general, impact would be measured across the following criteria: Number of women upskilled Number of people who gained awareness Number of stories captured to measure social impact Number of small businesses with improved book-keeping and financials Number of rural-urban partnerships

Number of women introduced to the Digital Economy   Number of Indigenous innovations via the "Women PRIDE Africa Challenge"

The project contributes to WSIS Action Lines: **4, BUS, EMP**

The project is relevant to **SDG1, SDG2, SDG4, SDG5, SDG8**

Youth Employment and Employability Platform

https://www.jobinrwanda.org/

The project is under **Job in Rwanda Foundation** in **Rwanda.**

Youth Employment and Employability Platform (YEEP), as the Youth Empowering Project (YEP) is the direct response to Rwandan Youth workforce especially young women and other young disadvantaged people that are either leaving academia or have already entered Labor Force, because it will be the bridge between education community and employers to build the capacity of later workers.   Mission: YEEP is mainly aimed at adding value to the Rwandan Youth workforce   by Bridging their Skills Gap through digital and other enabling tools or programs   Below are specific objectives: 1) Raise awareness about employment opportunities in Rwanda.   2) Support informal education as an important skill at work to empower young people and women to efficiently develop and use their skills to get into employment   3) Empowering the future workforce through internships as work experience: 4) Certify workforce soft skills they have to perform their job successfully and advance in career: At least 5,000 job candidates or transition workers will be certified in the first year.   5) Empower Youth, especially young women and young people with disabilities to become job creators not only job seekers   6) Develop the best leading Big Data-based Labor Market Information System (BD-LMIS) in Rwanda.

The proposed complementary programs for skills enhancement will have a direct impact on the quality of the workforce in Rwanda. With employers having more confidence in their entry-level human resource skills, the former will be willing to create more jobs and hire more people from the local labor market. The project will end up with a Big Data-based Labor Market Information System (BD-LMIS) that will be supporting employment stakeholders in increasing the rate of employment in Rwanda. The increase in employment rate has also a direct positive impact on the socio-economic stability of the country.

The project contributes to WSIS Action Lines: **2, 3, 4, LEA, EMP**

The project is relevant to **SDG3, SDG4, SDG5, SDG8**

Wutiko

https://www.wutiko.com/

The project is under **WUTIKO** in **Senegal.**

Wutiko is a professional platform which connects people to best business opportunities. Our matchmaking algorithms are proudly made with love from Africa. Wutiko, a professional network for Africa that lets anyone find jobs and jobseekers with their innovative machine learning technology, was a Seedstars World winner in Dakar Senegal.   The Wutiko platform was launched the day in Senegal during a two-day forum on the theme: "Human Capital for an Emerging Senegal ". It aims to facilitate the meeting between recruiters and job seekers.   Wutiko is a platform for business referencing and reception of Curricula vitae (CV) in a short time and will serve employment and facilitate the linking of businesses with job seekers. The Wutiko platform also consists of sharing useful business information and services online.

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The project contributes to WSIS Action Lines: **EMP**

The project is relevant to **SDG8**

AL C7. E-environment

Effective female involvement through ICT in raising human awareness of the harmful effects of millimeter waves in the ecosystem

https://en.m.wikipedia.org/wiki/Ntahangwa_(commune)

The project is under **Consultation framework for widows' associations in Burundi** in **Burundi**.
Our organization focuses on the following areas   continuously collect and process an in-depth study on the situation of widows and orphans for advocacy actions; ensure and support and/or facilitate training and/or research activities likely to help CCAVB member associations to promote and protect the rights of widows and orphans; increase income-generating capacities and carry out multisectoral activities such as the fight against HIV-AIDS but also to fight against ecosystem degradation.   The target audience of this association is widows and their dependants, and therefore orphans.   The main objectives assigned by the association are those of defending and promoting the rights of widows and orphans.   The association "ccavb" has the following main activities including various trainings; legal, medical and psychological assistance; environmental justice; empowerment of widows; appropriate technology; lobbying and advocacy; education; information and communication; creation of income generating activities and peace education.
The project contributes to WSIS Action Lines: **3, 4, 5, ENV**.
The project is relevant to **SDG3, SDG4, SDG5, SDG8, SDG9, SDG16**.

AL C7. E-agriculture

Webgis Solution to Provide Analytics for Precision Farming
https://www.ggpen.gov.ao/

The project is under **Ministry of Telecommunications Technologies Information and Social Communication**   in **Angola**.
GGPEN Mission is to Promote the peaceful use of space, as well as conduct strategic studies aimed at establishing cooperation agreements with technical and scientific institutions in the space domain, ensuring the creation of national technological and human competencies and the transfer of technology and know-how within the scope of the Angola Space Program.   The project that we are applying for as institution is being coordinated by Joana, a GGPEN technician in space applications.
The project contributes to WSIS Action Lines: **AGR, SCI**.
The project is relevant to **SDG12, SDG15**.

Amelioration of Agriculture Advisory services through ICT during Covid 19
https://enjealnysagro.wordpress.com/ict4agd-projet-mefoup/

The project is under **ENJEAL NYS AGRO** in **Cameroon**.
Develop an online platform where Agriculture extension and Advisory services worker can find short messages on good Agriculture practices to share with Smallholder farmers. The online

platform is been developed via worldpress, any practician can have access to it. Smallholder farmers receive counseling through their mobile phones in form of short messages system (SMS)

The project contributes to WSIS Action Lines: **3, AGR**.

The project is relevant to **SDG2**.

Agritools Project

http://www.agritools.org/le-projet

The project is under **Africa Resilience Association** in **Cameroon**.

The Agritools project is a virtual center where people can exchange information and make contact with other ICT users working in the countryside. Agritools is the first multimedia research project that tries to explain how innovative African technologies and technology-based start-ups are revolutionizing the agri-business sector and promoting the development of rural cultural and political values. The overall objective of Agritools is to investigate the resulting impact that this digital revolution is having on the lives of local people and their relationship to land, nutrition and traditions. The secondary objectives are: -To educate, inspire and encourage youth to contribute to the growth of the primary sector through ICT innovation. -To give a voice to the local population, offering them an opportunity to share their experience and knowledge to a wide audience (local, global). -Stimulate curiosity about Africa by deconstructing stereotypes in the international media. Agritools is creating a new model for sustainable agricultural development by facilitating innovation in the agricultural sector, networking farmers using technology to change primary sector practices and telling the story of how digital innovation is transforming agriculture.

The project contributes to WSIS Action Lines: **AGR, 9**.

The project is relevant to **SDG1, SDG2, SDG3, SDG4, SDG5, SDG8, SDG9, SDG12, SDG13, SDG17**.

Smart Irrigation system (Smais)

https://smartirrigation.uniabuja.edu.ng

The project is under **University of Abuja** in **Nigeria**.

This Smart irrigation system (Smais) automates the process of irrigation by monitoring the soil moisture and humidity relative to the plant being cultivated, factors in weather condition, and adaptively sprinkles water on the land as required. The system is monitored and operated from a web app.   The objectives are to make efficient use of water and minimise labour required for all-season farming. The system uses wireless moisture sensors placed in the soil to monitor water levels, monitors the water level in a reservoir using a float sensor, gets weather updates, upload all sensor data to a cloud database and displays them on a webpage,   starts irrigation from the webpage, and generates reports of the volume of water used over a given period. The prototype is to be scaled and tested on University of Abuja farms. The rainy season in the city of Abuja and neighboring communities is rather short, running from the month of May till October when planting is done. This device will make it possible for these predominantly agrarian communities to plant different types of crops all year round. This will contribute to significant reductions in hunger and poverty in this region and other places with similar weather patterns.

The project contributes to WSIS Action Lines: **AGR**.

The project is relevant to **SDG1, SDG2, SDG6, SDG9**.

AGRISELANA ACCESS TO MARKETS

http://smartagriot.co.za

The project is under **SMART AGR IOT** in **South Africa**.

South Africa sits in the fortunate position of having a world-class national food system, thus is largely self-sufficient in terms of food production, and will in all likelihood remain so in this pandemic and beyond. While highly productive, the food system is characterized by high levels of concentration, with 96% of farming units (Census 2011) falling in the SMME category as per the Department of Trade and Industry's definition (agricultural operations with a turnover of R35 million and below). This positions South Africa as a nation of relatively small-scale family farms, with over 3 million farming units considered subsistence in nature.   Our focus as a company are to the 3 million farming units considered subsistence in nature as we believe that the growth in the sector will only emerge if they are developed to becoming small scale commercial and later large commercial farmers. Our INNOVATIVE MVP focuses on taking smallholder famers to the next level by creating access to local and export markets for them using digital Agriculture marketplace, developed and owned by ourselves.   This solution provides innovation in the following ways: 1. Business Process innovation – we offer post harvest service with a pre-harvest and logistics service. By buying the produce at the back of the offtake, farmers are paid 3-6 months faster than they would if they wait for the transportation and delivery period. 2. Technology Innovation – placing of farmers produce in a global marketplace, to exhibit their products, estimating potential farming revenues prior to farming, providing backoffice support including quotations, invoicing, payment. 3. Supply Chain Innovation – we secure the buyers for the farmers relieving them of the stress to find buyers, as they do not have the marketing skills required. Smartagriot assist these farmers across farm management cycle.

The project contributes to WSIS Action Lines: **3, AGR**.
The project is relevant to **SDG1, SDG2, SDG5, SDG8**.

Agro
https://www.agro.co.zw/

The project is under **Agro** in **Zimbabwe**.
Farm Wise: Smart solution hub to empower smallholder farmers and women in agriculture giving access to dire needed farming tools. The problem: women in farming and smallholder farmers inability or their reduced chances to access farm funding, inputs, farming skills/know-how, viable marketplace, smart farming technology and farming jobs. We create online platform to give smallholder farmers empowerment and sustainability in their entire production and supply chain. AgroHow gives farmers tailored knowledge about farming, what they want at their fingertips reducing uniformed farming where a farmer uses an application where farmers ask and get responses specific to their farm conditions and also get constant updates on farm diseases and help at each stage of crop. AgroCart for farmers to sell their produce and buy inputs directly from/to manufactures eliminating wastage, increasing efficiency in supply chain, removing middleman and increase farmers profit and lowering prices for consumers online website and whatsapp chatbots AgroTeq gives small farmers access to smart farm technology through community renting eliminates unguided farming by precision farming, where farers in a community access drones and soil sensors for precision farming Agrolink is online networking smallholder farmers to list jobs and look for farm jobs whilst doing online website.
The project contributes to WSIS Action Lines: **1, 2, 3, 4, 5, 6, BUS, AGR**.
The project is relevant to **SDG1, SDG2, SDG3, SDG4, SDG5, SDG8, SDG12, SDG16**.

Amelioration of Agriculture Advisory services through ICT during Covid 19

https://enjealnysagro.wordpress.com/ict4agd-projet-mefoup/

The project is under **ENJEAL NYS AGRO** in **Cameroon.**

Enjeal Nys Agro works for the development of agriculture through agriculture innovation and agribusiness initiative. The organization is carrying out projects such as: farmers field business school; Cameroon Agribusiness Academy; continued empowerment service; and the ICT for agricultural development. We developed an online platform where Agriculture extension and Advisory services worker can find short messages on good Agriculture practices to share with Smallholder farmers.   ICT Tools used: The online platform is been developed via worldpress, any practician can have access to it. Smallholder farmers receive counseling through their mobile phones in form of short messages system (SMS)

The main beneficiaries of this project are advisory services workers which would have a platform of short messages for distance counseling of farmers of farmers. Smallholder farmers receive messages on good Agriculture practices via mobile phones to ensure sustainable agricultural activities.

The project contributes to WSIS Action Lines: **3, 4, AGR**

The project is relevant to **SDG2**

Enhanced Fish Market Information Service (EFMIS)

https://doi.org/10.4060/cb2030en

The project is under **Kenya Marine and Fisheries Research Institute (KMFRI) in Kenya**

Fisheries value chain actors are using mobile phones to reduce the cost of travel and to know prices and weight during COVID_19 travel restrictions and bridge the gap that could benefit middlemen. EFMIS is an ICT project is based on mobile phones to relay information as SMS code indicating the landings in terms of species and prices at markets with an automatic response within 10 seconds.

Vulnerable fisheries value chain actors who benefit based on reduction in quantity of post-harvest losses by selling fish quickly, time searching for adequate prices, and no price differentials.

Could be replicated in other African and developing countries with active fisheries sector and with poor accessibility. The same can apply for other agricultural products such as crops and livestock. Has raised revenue by charging users a small premium price above the cost of SMS sent to the data centre. Based on 20,000 SMS queries, a total of about USD 2,500 in revenue has been ploughed back.

The project contributes to WSIS Action Lines: **1, 3, AGR**

The project is relevant to **SDG1, SDG8, SDG14**

Supporting the Mauritian agricultural transformation with 3D Printing technology

https://ncb.govmu.org/ncb/3dprint

The project is under **National Computer Board** in **Mauritius.**

Digital manufacturing, especially 3D printing is increasingly improving the 'ease of doing business' in many sectors. The NCB pioneered this technology in Mauritius since 2019 by setting up two 3D Printing Service Centers. Two sectors, Agriculture and Fisheries were targeted for the 3D printing of parts which are either difficult to procure in the local market or are prohibitively expensive. One such part, the "Graduated Injector Cylinder Head" (GICD) used in fertilizer injector pumps by hydroponic growers, often needs to be replaced from wear and tear or when in contact with corrosive materials. Unfortunately the GICD is not sold separately and the whole injector pump needs to be replaced at a cost of over $600.   To address this issue, the GICD was 3D modelled and printed by NCB using various filaments. Following several design and print cycles,   the prototypes were then extensively tested by the Food and Agricultural Research and Extension Institute (FAREI) in live field tests. The prototypes were found to be up to commercial standards.   The non-profit selling price proposed by NCB for one GICD, based on ABS filament used, is at only $12. The project has gathered enormous interest among growers. NCB is now seeking the collaboration of the Ministry of Agro Industry to commercialise the GICDs through their farmer outlets.

In view to ensure quantitative and qualitative economic, NCB is setting up additional 3D Printing centers in view to anticipate a subsequent increase in 3D Printing products. In addition to this, NCB is offering training skills on 3D Design and Printing to the unemployed in view to gear them towards entrepreneurship. As the parts are being produced locally, this has reduced the carbon foot print considerably.

The project contributes to WSIS Action Lines: **AGR**

The project is relevant to **SDG2, SDG9**

SMART NKUNGANIRE SYSTEM

https://smartnkunganire.rw/

The project is under **Rwanda Information Society Authority** in **Rwanda.**

The Smart Nkunganire System (SNS) is a supply chain management system built by BK TecHouse Ltd in collaboration with Rwanda Agriculture and Animal Resources Development Board (RAB) to digitalize the end to end value chain of the Agro-Input Subsidy program.   SNS is a critical strategic tool for all stakeholders in the Agro-Input subsidy program as it significantly increases efficiency,

productivity, transparency and bridges communication gaps within the Agro-Input subsidy program. SNS will also help remarkably raise financial inclusion, cashless transactions and green economy in the agriculture sector.

In order to access subsidized agri-inputs, farmers in Rwanda went through a lengthy process of verification and approvals by government services.   The lack of a digital database of beneficiaries and delivery tracking system led to time and resources consuming operations. Smart Nkunganire System provides a national database of farmers and stakeholders involved in subsidized agri-inputs to facilitate access to financial services and markets.

The project contributes to WSIS Action Lines: **AGR**

The project is relevant to **SDG1, SDG2, SDG8, SDG12, SDG15**

AL C7. E-science

PocketLabs

https://mypocketlabs.herokuapp.com

The project is under **PocketLabs** in **Zimbabwe**.

A platform specifically made for made for Stem students who are finding it hard to study for exams without the physical lab apparatus. During the time of Covid-19, the world went into a lockdown, with universities shut, it was difficult for everyone. It's been more than 6 months that universities have been shut, making it very challenging for students and teachers to progress in courses requiring practical hand skills. For a newly admitted undergraduate student it's very important to explore various domains of his field. That includes practical courses such as chemistry laboratory as well. Any Laboratory course is exciting as we get to apply what we have learned through various experiments. Our project of creating Virtual laboratory is an attempt to provide a platform where we can simulate laboratory hands-on experience virtually. Our aim is to create and provide an environment to extend, improve, integrate, refine, and assist the experimentation process in chemistry laboratory.

The project contributes to WSIS Action Lines: **LEA, ENV, SCI**.

The project is relevant to **SDG1, SDG3, SDG4, SDG5, SDG8**.
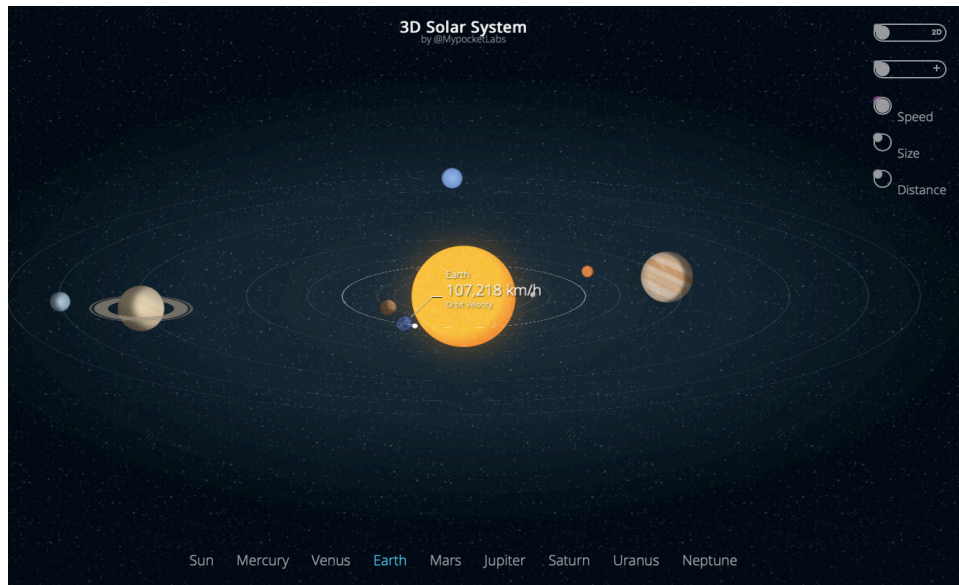
AL C8. Cultural diversity and identity, linguistic diversity and local content

InspireIT Mentoring

http://www.inspireit.online

The project is under **InspireIT** in **Nigeria**.

InspireIT encourages and supports young girls and women studying or interested in STEM (science, technology, engineering and mathematics). InspireIT's vision is to be one of the most transformative communities providing support, mentoring, and training to girls and women who want to be digitally literate, who are studying STEM courses or interested in pursuing STEM careers.   InspireIT encourages young women to pursue careers in STEM through various projects and campaigns, one of such project is the STEM Club, which encourages young girls in primary, and secondary schools in Nigeria to learn digital skills, basic programming skills, and build strong foundation in science subjects. Through this project, more than 1225 girls in various primary and secondary schools across Nigeria   have been reached. More than 150 girls and women interested in STEM have also been mentored through InspireIT.   InspireIT also creates awareness on the need to have more women in STEM through social media platforms, workshops, and mass media.   Due to the many challenges faced by children with autism and the discrimination a lot of them face in Nigeria, InspireIT is expanding the STEM club project this year to include children with autism, teaching them digital skills and coding skills.   Their major objectives are: 1. To inspire creativity and promote innovation among young girls   2. To create a learning environment that fosters more understanding of science, technology, engineering and mathematics (STEM)   3. To increase skills in problem solving, and critical thinking among young girls and women

The project contributes to WSIS Action Lines: **3, 8**.

The project is relevant to **SDG3, SDG4, SDG5, SDG16**.

Digital Transformation Center

https://digicenter.rw

The project is under **Rwanda Information Society Authority** in **Rwanda**.

Digital Transformation Center (DigiCenter) is a project unit of the Digital Solutions for Sustainable Development Program (DSSD). It is implemented by the German Development Cooperation (GIZ). The purpose of the DigiCenter is to support digital transformation in Rwanda through developing digital solutions by Africans for Africans. DigiCenter commenced its program from 2018 as a space which focuses to rethink and redesign processes and interactions between the government and its citizens by leveraging technologies to work in new ways and solve problems. Through the development of digital innovations, the center plays important role to drive cultural change across the government. Furthermore, the center supports the local digital ecosystem and create linkages between the government, private sector and civil society. Under its initiative, an innovation space with makerspace is being built that will bring together social innovators to innovate solutions that would solve myriad of social challenges with local stakeholders and civil societies

The project contributes to WSIS Action Lines: **3, 4, 6, BUS, HEA, ENV, AGR, 8, 11**.

The project is relevant to **SDG9, SDG17**.

BINTI TEHAMA (GIRLS IN ICT)

https://www.tcra.go.tz

The project is under **TANZANIA COMMUNICATIONS REGULATORY AUTHORITY** in **United Republic of Tanzania**.

One of the TCRA's strategic objective is to coordinate implementation of National, Regional and International Sector commitments. As a member of International Telecommunication Union, TCRA has an obligation to commemorate International Girls In ICT Day which is a global initiative to empower girls and young women in the field of ICT.   Noting the above, each year TCRA has been conducting activities to encourage girls and young women to understand and consider studies and careers in the sector of Information and Communication Technologies (ICT). The event attracts more girls from secondary schools, higher learning institutions and institutions mainly specialized in ICTs. Through this initiative, around 400 girls' students were engaged, motivated and gained more ICT skills.   In the year 2018, TCRA coordinated the events on 24th and 25th April 2018 by doing the following: a) Issued two laptops to the best girls students in ICT; one for Certificate of Secondary Education Examination (2017) and   another one for Advanced Certificate of Secondary Education Examination (2017) examinations;   b) Conducted computer workshop/boot camp. In which girls leant on designing of website and content management;   c)   Inspirational session to the girls in which women ICT specialists from TCRA and other Institutions demonstrated their roles, challenges and how they achieved their ICT career;   d) Invited a Female University lecturer to provide an inspirational speech to the girls who participated in the event.   e)   Set up exhibition booths for various women in ICT to demonstrate ICT products and services offered by their institutions so as to inspire girls towards ICT career path. The sessions were interactive through discussion and the girls students were encouraged to consider pursuing ICT career in future.

The project contributes to WSIS Action Lines: **1, 3, 8**.

The project is relevant to **SDG4, SDG5, SDG8**.

Afrocomix

http://letiarts.com/afrocomix/

The project is under **Leti Arts** in **Ghana.**

Afrocomix is a content hub for all Afrocentric creative work made by Africans on the continent to provide a one stop shop for people all over the world who love African content while focusing on monetization, social integration and fixing the issue of fragmentation among the African creative industry. Since we launched in December 2017, we have been able to source for content from over 50 creatives across the continent and delivered it all over the world. One of our greatest achievements with this app includes publishing the Karmzah comic which has a superhero with cerebral palsy as its star. This is the first superhero ever created with this condition and has generated a lot of conversation about the disabled community which we are proud to pioneer.

Afrocomix is bringing quality and authentic Afrocentric content to a worldwide audience while creating an avenue for content providers to generate some revenue. We believe that when our users engage with this content, they will be genuinely motivated to read and learn more about Africa. We also recently closed a partnership with MTN group to launch Afrocomix in all territories in Africa with over 200 million subscribers which will be launched early next year. The projected growth of the platform is estimated to reach at least 500k customers globally by 2020.

The project contributes to WSIS Action Lines: **BUS, LEA, EMP, 8, 9**

The project is relevant to **SDG4, SDG8, SDG9, SDG17**

Art and Technology for Climate Change and Green Social Entrepreneurship

https://geminstitutels.org

The project is under **GEM Institute** in **Lesotho.**

Creating an ecosystem of value chain support in ICT, Creative Innovation among youth, schools and the farming community to adopt ICT4Agriculture to optimise using ICT as a entrepreneurship capacity building on ICT driver needed to optimise e-business, promote climate change awareness for the farming community and use schools in surrounding areas as mini research cottage centres so students are aware of what the farming members endure without ICT skills and the plight of Climate Change. Youth under the continuing Sisters Working in Film, Farming, Fashion and Technology Coding (SWIFT Codes) Initiative will lead in connecting all players to coordinate these ecosystem of capacity building in networking all groups to contribute in enhancing the following; ICTs for education, ICT for Climate awareness, ICT for Agribusiness that can be used for the following specific targets; farm precision that will useful for weather forecasting and farm scanning using drones to scale the situation of crops which will in turn open an opportunity for data collection and analytics. IoT will be useful in matching producers with marketers, supply and logistics/distribution and retail. This is needed because most farmers have indicated that their produce gets spoiled because of market and marketing limitations skills which will be spread among youth as an attempt to close societal and digital gaps where schools are detached from their farming communities, farmers do not have ICT skills and youth have ICT skills but are not given an opportunity to contribute meaningfully to be part of innovative solutions especially in productive sectors.

70% of Basotho in rural Lesotho is in agriculture. The proposed objectives will be instrumental in in the following; 1. Increasing capacity of all stakeholders in incorporating ICT for Agriculture as a productive tool 2. Increasing the number of communities from urban centres to rural in the use

of ICT for Agriculture   3. Increasing the number of agriculture products that can be marketed and distributed through the use of digital platforms   4. Reducing the amount of produce that gets spoilt because there is not are no strong value chains and supply chains which connect producers with retailers   5. Increase the number of farmer who will seek climate action mitigation strategies to increase productivity   6. Increase gender and intergenerational inclusion in the multi stakeholder approach in ICT for Agriculture.   To prepare for the future of work, it is important for members of the community to recognise and appreciate that ICT is a strong component of the future of work for youth, it is also an important driver in maximising performance of e-business/entrepreneurship in the agricultural sectors in Lesotho. The impact expected through this initiative is that it will create more opportunities for youth use technology to beat unemployment, the farming communities will be equipped with new ICT skills while schools will also be a support structure for data collection and as a client for produce creating a beneficiation value chain and an ecosystem of support.

The project contributes to WSIS Action Lines: **3, 4, 5, BUS, LEA, EMP, ENV, AGR, 8**

The project is relevant to **SDG2, SDG4, SDG5, SDG8, SDG9, SDG13, SDG15, SDG17**

Focus

https://paradigmhq.org/focus/

The project is under **Focus** in **Nigeria.**

Focus is a short film drawn from Paradigm Initiative's 2020 annual digital rights and inclusion report dubbed Londa. The report depicts the state of digital rights and inclusion in twenty African countries. Focus is an exploratory way used by PIN to best impact the society through storytelling while spotlighting key issues plaguing the digital rights and inclusion ecosystems.   The short film, Focus, challenges viewers to be aware of the challenges happening in Africa and not to sail through the real lived experiences that come with digital rights violations in ignorance. The film presents a call to action, a call to focus.   #DontLoseFocus

Focus helps to awaken communities to understand that their digital rights are also their human rights and must be protected and as such must ensure the goverment acccounts for actions related to digital violations. Because a mjority of those affected by these digital violations are the youth, it's important we ensure by educating the youths on   their rights and how to protect these rights.

The project contributes to WSIS Action Lines: **2, GOV, 8, 9**

The project is relevant to **SDG16**

AL C9. Media

Tsena, Botswana Online

https://www.tsena.co.bw

The project is under **Mascom Wireless Botswana**   in **Botswana**.

Tsena, Botswana Online was and still is Botswana's first online community portal. The project was launched with the aim of promoting ICT usage in the country and was on this reason offered for FREE to all subscribers on the network. The project's goal is to give locals, both citizens and non-citizens, access to a native platform through which they can communicate and interact with each

other, sharing information not only with each other, of themselves but with the World at large since it is accessible via the World Wide Web.   Tsena, has not only made advances in achieving this but set new records on ICT penetration locally. For the first time ever, local sport achieved viewership of over 60 000 viewers, online, mostly on mobile and this has made a massive impact on local perception towards mobile media. Mobile user confidence has risen since this achievement and still on the rise, with more production houses also gaining the confidence to invest in this space and offer their services.

The project contributes to WSIS Action Lines: **1, 3, 5, 6, BUS, LEA, 8, 9**.

The project is relevant to **SDG9, SDG10, SDG16**.

Mwajuma Simama!

http://www.ourcries.org/

The project is under **Our Voices Against Harassment (OVAH)** in **United Republic of Tanzania**. As children and young adults in Tanzania are forced to stay home after the National schools closure to prevent the spread of the novel Coronavirus (Covid-19), there are now more subjected to frequent harassment and abuse from their family members and neighbors. During this time more children and young adults especially girls and women are subjected to violence, trauma and psychological stress.   We have already observed in Ruvuma, 100 girls have been impregnated in these three months of school closure. If the issue of sexual abuse and harassment continues we will see the rise of child pregnancies, child marriages and school dropouts rates exponentially. Mwajuma   Simama is a series of animation that aims to educate girls and young women about Sexual assault and abuse and how to deal with it. Our content will educate girls and young women about what sexual abuse is in a simplest and relatable manner possible.

The project contributes to WSIS Action Lines: **3, 9**.

The project is relevant to **SDG3, SDG5**.

Visceral Podcast

https://visceralpodcast.co.za/home/

The project is under **Visceral Media** in **South Africa.**

Visceral Podcast is aimed at promoting women in science, technology, engineering and mathematics, in Africa. We interview women who are pioneers in the sciences and what drives them to be the best in their careers. We promote women in STEM across Africa. These women are pioneering scientific advancement on the continent, and are at the heart of our work. Our goal is to promote strong examples of women in STEM and inspire young African women to pursue lifelong career goals in the STEM disciplines. Visceral Podcast is changing the narrative about women in STEM. We broadcast our message through thought-provoking podcasts, engaging news on STEM, and intelligent profiles highlighting accomplishments of women in the STEM disciplines.

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The project contributes to WSIS Action Lines: **1, 3, 9, 10**

The project is relevant to **SDG5**

AL C10. Ethical dimensions of the Information Society

Mobile App for the Elimination of Gender Based Violence
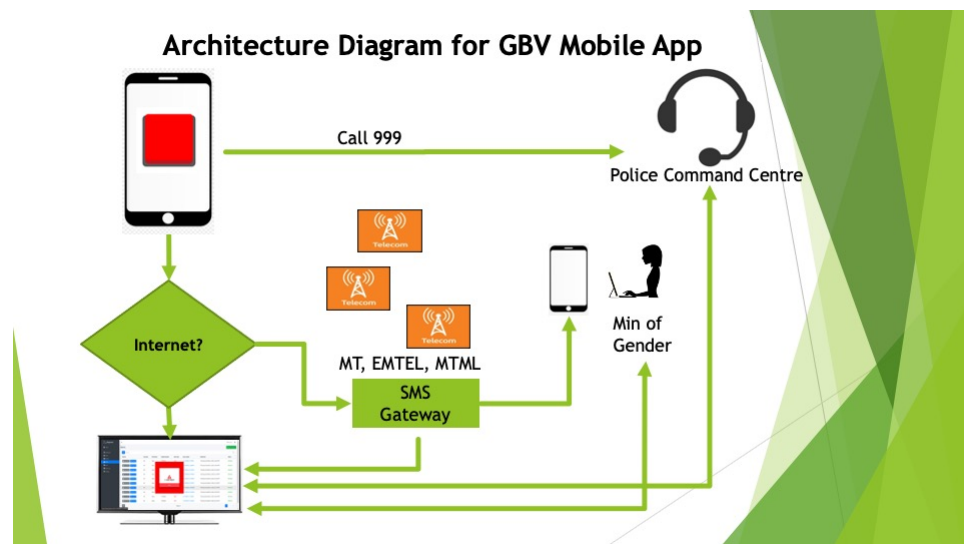
https://fasil.mu/lespwar/

The project is under **Prime Minister's Office** in **Mauritius**.

It was proposed to develop a mobile application (App) for victims of GBV in Mauritius which will be operational 24 hour, seven days a week.   In line with international experiences, such App serve to increase Victim's Safety by providing the right platform for victims of GBV to feel secure, protected and taken care of by authorities concerned in order to maintain a stable and healthy life. The App will act as: • An information Point   • A link to Services   • A Rapid Response Request.   Already thousands of citizens have downloaded the app with more than   100 citizens having tested the panic button.   Around 10 alerts required the intervention of the Police

and the victims were assisted since launching on 25 November 2020.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, GOV, 10**.

The project is relevant to **SDG3, SDG5, SDG11, SDG16**.

Architecture Diagram for GBV Mobile App

The Lagos Slums Project

https://www.linkedin.com/feed/update/urn:li:activity:6649673617850400768/

The project is under **Rhemarite Geospatial** in **Nigeria**.

The Slum Project is the brainchild of Adeola, a GIS consultant, Drone expert, and Mentor to young girls who desire to grow in the drone technology/photography/videography and GIS space. There are over 500 slums in the Lagos metropolis and as such it poses a threat to the residents. There are lots of vulnerable children especially young girls who are molested and exposed to sex at a tender age. My Slum project is to save as many vulnerable children by helping them channel their youthful energy to a goodly cause. Many of these children are born and raised in these slums, some migrated to Lagos without a plan and ended up living in the slum. Growing up in a slum comes with its downsides which include unhindered access to drugs, illicit sex, absence of education, unruly behaviours, absence of parental guidance and control and lots more.   COVID-19 ACTIVITY With our meagre resources with the support of family and friends, we are reaching out to these slums one at a time. In April 2020, in the heat of the lockdown, we visited a slum at General Paint near The Lagos Business School, there, we distributed food and relief materials to over 160 families out of the over 700 shelters in the slum. We started teaching some young girls and ladies crafts such as Soap Making, Fashion Designing, Hair Dressing and a few who showed interest in Technology are taught drone operations and applications, Microblogging, Videography and editing and photography. OBJECTIVE   1. To raise a set of visionary girls who will become a source of inspiration and influence on others   2. To train and expose young girls to drone and mapping technology   3. To train and equip them with globally acceptable skills   4. To save as many from falling into a distasteful lifestyle of drug abuse, prostitution and other vices   TARGET AUDIENCE   1. Young and Vulnerable girls living in the slums   2. Young girls within the age of 14-18   The

Covid-19 relief material was done with the support of Asseco Nigeria Limited
The project contributes to WSIS Action Lines: **1, 2, 10**.
The project is relevant to **SDG1, SDG4, SDG10, SDG16**.

ABULE ADO EXPLOSION - HOTSPOT

Size: 26 hectares
Drone image resolution: 4.1cm
No of destroyed buildings: 280
No of threatened buildings: 148

The project is under **Rwanda Information Society Authority** in **Rwanda**.

Rwanda Information Society Authority (RISA) in partnership with MINIYOUTH, the National Council of People with Disability (NCPD) with the support of UNDP invites all Innovators in

Rwanda to participate in the INNOVATE4DisabilityInclusion Hackathon. The INNOVATE4DisabilityInclusion Hackathon is a national design competition which consists of developing Assistive Technologies (with digital solutions) that contribute to addressing needs of people with disability, increase their equal participation, safety and autonomy. Developed solutions will be key for Rwanda to bridge the disability digital divide. Focus: This competition is in line with the SDGs and NST1 principles to leave no one behind. Innovators are free to address the needs of people with different forms of disability (ex: physical, sensory, psychiatric, neurological, cognitive and intellectual or multiple disabilities etc.)

The project contributes to WSIS Action Lines: **1, 2, EMP, 8, 10**.

The project is relevant to **SDG8, SDG10, SDG16**.

Young Digital Volunteer Ambassadors

https://dtc.emsp.int/

The project is under **Ecole Multinationale Supérieure des Postes** in **Côte d'Ivoire.**

The JEAN program (Young Digital Ambassadors) is a new paradigm for reducing the digital divide by training rural populations through the training and supervision of young volunteers and local volunteers in digital embassies. These Embassies, based on the regional Cybercentres of the Agence Emploi Jeunes (AEJ) in Côte d'Ivoire, will be training, incubation and development cells for young volunteers and the population. The 02 main components are: (i) The human and technical training of young people to make them local trainers: These young people benefit from 300 hours of international training (CISCO, HP, etc.) oriented towards professions (Network Security and Cybersecurity, web-developer, IOT, Python, etc.) by online and face-to-face experts. After 06 months, their employability having increased, they can be employed (public and private) or be entrepreneurs. (ii) In return, these JEANs will form population targets: For 2022, 5,000 people who will benefit from training in basic digital skills provided by 1,000 JEANs in 100 municipalities (1,000 municipal officials, 2,500 students, 1,000 people from the informal sectors and 500 vulnerable people). Pending the mobilization of resources from various stakeholders, 12 JEAN have started training. At the end of 2021, 68 people in the rural town of Azaguié were trained.

This project will ultimately make it possible to reduce unemployment in a qualitative way because it will be 5,000 young people from the main rural areas, 30% of whom are girls, who will see their chances of employability greatly increased. They will be able to bring new skills from professions such as AI, IOT and cyber security to our public administrations or to priority sectors such as agriculture, health and education. Also, more than 50,000 people will emerge from digital illiteracy and will benefit sustainably from the fallout of the digital economy.

The project contributes to WSIS Action Lines: **1, 2, 3, 4, 6, GOV, LEA, EMP, ENV, AGR, 8, 10, 11**

The project is relevant to **SDG1, SDG4, SDG5, SDG8, SDG10, SDG16, SDG17**

The Lagos Slums Project

https://www.linkedin.com/feed/update/urn:li:activity:6649673617850400768/

The project is under **Rhemarite Geospatial** in **Nigeria.**

The Slum Project is the brainchild of Adeola, a GIS consultant, Drone expert, and Mentor to young

girls who desire to grow in the drone technology/photography/videography and GIS space. There are over 500 slums in the Lagos metropolis and as such it poses a threat to the residents. There are lots of vulnerable children especially young girls who are molested and exposed to sex at a tender age. My Slum project is to save as many vulnerable children by helping them channel their youthful energy to a goodly cause. Many of these children are born and raised in these slums, some migrated to Lagos without a plan and ended up living in the slum. Growing up in a slum comes with its downsides which include unhindered access to drugs, illicit sex, absence of education, unruly behaviours, absence of parental guidance and control and lots more. With our meagre resources with the support of family and friends, we are reaching out to these slums one at a time. In April 2020, in the heat of the lockdown, we visited a slum at General Paint near The Lagos Business School, there, we distributed food and relief materials to over 160 families out of the over 700 shelters in the slum. We started teaching some young girls and ladies crafts such as Soap Making, Fashion Designing, Hair Dressing and a few who showed interest in Technology are taught drone operations and applications, Microblogging, Videography and editing and photography.

In the last 12 months, the following are visible proofs that The Slum Project is making an impact. Behavioral changes amongst the over 60 girls trained so far. These girls have a better picture of the future. Some of these girls have become change agent in their community, telling other girls to sign up and learn a skill that will help shape their lives. Academically a lot of them have improved, even in their communication.

The project contributes to WSIS Action Lines: **1, 2, 10**

The project is relevant to **SDG1, SDG4, SDG10, SDG16**

Innovate4Disability Inclusion Hackathon

https://www.risa.rw/news-detail/news/innovate4disabilityinclusion-hackathon-application-deadline-18th-semptember-2019/?tx_news_pi1%5Bcontroller%5D=News&tx_news_pi1%5Baction%5D=detail&cHash=d832ab3e8b800fb6b3e42811f27b64aa

The project is under **Rwanda Information Society Authority** in **Rwanda.**

Rwanda Information Society Authority (RISA) in partnership with MINIYOUTH, the National Council of People with Disability (NCPD) with the support of UNDP invites all Innovators in Rwanda to participate in the INNOVATE4DisabilityInclusion Hackathon. The INNOVATE4DisabilityInclusion Hackathon is a national design competition which consists of developing Assistive Technologies (with digital solutions) that contribute to addressing needs of people with disability, increase their equal participation, safety and autonomy. Developed solutions will be key for Rwanda to bridge the disability digital divide. Focus: This competition is in line with the SDGs and NST1 principles to leave no one behind. Innovators are free to address the needs of people with different forms of disability (ex: physical, sensory, psychiatric, neurological, cognitive and intellectual or multiple disabilities etc.)

Contributes to Job creation through local startups and entrepreneurship. Through this hackathon 10 promising solutions were selected which in turn would be able to employ people as well as create income for the startup founders. Contributes to social inclusion of including vulnerable populations who are the disabled population. In Rwanda, the feature phone is the most affordable telecommunication devise. However solutions adapted to this type of phone are limited. The

phone must also be adapted to the specific disability needs eg voice led features for the visually challengeed, tactile phone for those living with hearing disabilities, adapted assistive computers and/or laptops for the various disabilities. These solutions are often done by the local innovators who understand the local dynamics.

The project contributes to WSIS Action Lines: **1, 2, EMP, 8, 10**

The project is relevant to **SDG8, SDG10, SDG16**

AL C11. International and regional cooperation

"Program of Numerical Literacy", in anagram, "PÁNUM-Digital" a Social-Humanitarian Project

https://www.onavedra.website

The project is under **Multi-sector NGO Onavedra** in **Equatorial Guinea**.

In the ALPHANUMERIC CAMPUS, a Social-Humanitarian Project is being carried out, called, "NUMERICAL LITERACY PROGRAM" (digital or computer literacy), in anagram, "PÁNUM-Digital", an initiative that has born of the population and for the benefit of the population itself, by taking FREE COURSES, IN CONTINUOUS MODULAR SYSTEM, ON THE INITIALIZATION OF BASIC KNOWLEDGE OF COMPUTERS AND PRACTICAL HANDLING OF COMPUTERS, THEIR ACCESSORIES AND COMPUTER PROGRAMS. PÁNUM-Digital, not only instills in the population the basic knowledge that they must possess for all, but also guarantees to enjoy the human rights inherent to the development of people who live in popular masses to advance towards a cultured and informed. OBJECTIVES: a) Contribute to the eradication of the vulnerability of basic computer knowledge in the country: From the position of civil society, contribute to the appropriation by the same vulnerable population, the "culture of new technologies", displaying free courses on initiation and training on basic computer skills and practical use of computers. b) Secondary to the development actions carried out by the public and private sectors, as well as other actors and development partners in the matter of the "culture of ICTs (new information and communication technologies), reach all levels and most vulnerable social classes of the population ". c) Teach and evaluate basic concepts and computer skills so that vulnerable and disadvantaged social classes and layers, as well as people with disabilities and / or Disabilities of the Equatorial Guinean and resident population respectively, can use ICT in their daily lives and, to develop new social and economic opportunities for the benefit of themselves, their family and their community", as well as for their country.

The project contributes to WSIS Action Lines: **3, 11**.

The project is relevant to **SDG8, SDG10, SDG17**.

SDG Integrated Planning and Reporting Toolkit

https://iprt.uneca.org

The project is under **United Nations Economic Commission for Africa** in **Ethiopia**.

The Integrated Planning and Reporting Toolkit (IPRT) is a software sponsored by the ECA and

developed in response to the needs of the African Member States to simultaneously adopt and integrate both the 2030 Agenda for Sustainable Development and Agenda 2063 into their national development and be able to report progress in a harmonized way. With the goals, targets, and indicators of the two Agendas already in-built into the software, users can visually assess the level and strength of alignment between the two Agendas at the click of a button. The in-built dashboards allow for visualization of summary information on the alignment of the two Agendas as well as country performance regarding alignment with the two agendas and progress in implementation of the national goals and targets as aligned as well as progress reporting towards achieving national, regional, and global development commitments.

The project contributes to WSIS Action Lines: **3, GOV, 11**.

The project is relevant to **SDG1, SDG2, SDG3, SDG4, SDG5, SDG6, SDG7, SDG8, SDG9, SDG10, SDG11, SDG12, SDG13, SDG14, SDG15, SDG16, SDG17**.

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The project contributes to WSIS Action Lines: **3, GOV, 11**.

The project is relevant to **SDG1, SDG2, SDG3, SDG4, SDG5, SDG6, SDG7, SDG8, SDG9, SDG10, SDG11, SDG12, SDG13, SDG14, SDG15, SDG16, SDG17**.

Knowledge Lab

https://klab.rw

The project is under **Knowledge Lab** in **Rwanda**.

kLab was established in 2012 as an unique open innovation center in Kigali where students, fresh graduates, entrepreneurs, and other innovators come to work on their software ideas/projects to turn them into first level of products/services to Minimum Viable Products (MVPs) which may be turned into viable business with the help of experienced mentors who provide both technical and business assistance to members. While the preliminary focus of the kLab is capacity building at or near the base of the ICT entrepreneurs / innovators' pyramid and making idea into reality through trials and errors, some notable start-up businesses have emerged from the kLab. After nearly 9 years of existence, kLab has established itself as an important landmark within the Rwandan ICT scene. The space generally held an "open door policy" for mostly young innovators within the software development sector.

The project contributes to WSIS Action Lines: **4, 6, GOV, BUS, LEA, HEA, EMP, ENV, AGR, SCI, 8, 11**.

The project is relevant to **SDG9, SDG17**.

Fabrication Lab

https://www.fablab.rw/

The project is under **Fabrication Lab** in **Rwanda**.

FabLab was established in 2016 adjacent to the kLab. It provided digital fabrication tools and materials to individuals with aspiration of creating physical prototype and digitally-enhanced products. Following the FabLab charter, FabLab Rwanda became an open space for its members to turn innovative ideas into prototype and to create small batch products, as well as to provide a platform for capacity building and integration of hardware skills with software knowledge. The

space provides a platform for capacity building for digital fabrication and integration of hardware skills with software knowledge. These capacity building opportunities will prepare Rwandan innovators to take advantage of the opportunities brought force by digitally enhanced connected devices such as Internet of Things (IoTs). Moreover, the space foster collaborative community, knowledge sharing, and innovation business models with a focus to increase Rwanda's competitiveness in the fields of design, engineering, electronics, fabrication and new digitally enhanced businesses. FabLab Rwanda also serves as a model for the Government, civil societies, and industries to experience, first hand, grass-root approach in providing technical capacity and literacy, promoting new innovation, and transforming traditional industries with digital fabrication agents.

The project contributes to WSIS Action Lines: **4, 6, BUS, LEA, HEA, EMP, ENV, AGR, SCI, 11**.

The project is relevant to **SDG9, SDG17**.

Remote surveying of child caretakers in Rwanda

https://www.savethechildren.org

The project is under **Save the Children US** in **United States of America**.

"Rwanda, like most countries in the world, has taken different prevention measures including "lockdown" (mandatory sheltering in place within citizen's homes), social distancing, travel restrictions, closure of schools and other activities to manage the spread of the pandemic. Schools tend to be the safest places for children around the world because they are the primary conduits for recognizing and reporting child neglect and abuse, so their closures in particular put children at risk. Save the Children Rwanda is working to ensure that girls and boys (with or without disabilities) are safe in their homes and are able to exercise their rights to learn, survive and be protected. As a key part of that effort, Save the Children has teamed with GeoPoll to use that company's software platform to conduct a 2-way SMS survey of adults caring for children in Rwanda. The goal of the survey is to establish the extent of caretakers' support for their children's learning and well-being while schools are closed due to the pandemic in order to respond with appropriate services and interventions."

The project contributes to WSIS Action Lines: **HEA, 11**.

The project is relevant to **SDG3, SDG4**.

Solar treatment of biomass for power generation using carbon slurries in hybrid renewable energy systems

https://cera.leeds.ac.uk

The project is under **Dar es Salaam Institute of Technology** in **United Republic of Tanzania**.

Electricity demand across the continent is expected to double between 2012 and 2035. Several African countries have significant fossil fuel resources in the form of coal and gas that could be used for power generation. However, Africa's vulnerability to the impacts of climate change suggests that new electricity generation capacity should preferentially be from low carbon sources. This project aims to tackle the challenge of universal access to clean modern energy in sub-Saharan Africa, using two readily available energy sources: sunshine and biomass. This project is novel

because it seeks to overcome the major renewable energy constraint of storage of solar power through solar treatment of biomass and using the stored treated biomass as a fuel for electricity generation. The project is designed primarily for capacity building, containing a major element of training through PhD student development and research exchange. It also seeks to enhance gender-balance in renewable energy capacity.   Objectives: Using biomass as the primary energy source Storing solar energy by using concentrated solar power to treat biomass   Converting solar treated biomass into a fuel that can be used directly in modified electricity generators   Developing a scalable hybrid renewable electric energy system for rural electrification in order to integrate the mix of renewable energies   Integrating different sources of electricity in hybrid renewable energy systems   Equipment to build the Micro-grid Lab has been approved by The Royal Society. Apart from the Micro-grid lab installation, we have ordered purchases of the wind-solar hybrid system. We are waiting for the equipment to be shipped from China to Tanzania, and once they are in Dar es Salaam, we will conduct the training on: "Design and installation of Wind-Solar Hybrid system-installation of a working hybrid system. The system will be used as a pilot system to demonstrate the potentials of the hybrid system to small scale business (SMEs), who can scale up the production."

The project contributes to WSIS Action Lines: **2, 4, ENV, 11**.

The project is relevant to **SDG7, SDG9, SDG17**.

Africa UN Knowledge Hub on COVID-19

https://knowledge.uneca.org/covid19

The project is under **United Nations Economic Commission for Africa** in **Ethiopia.**

The Africa UN Knowledge Hub for COVID19 is a portal developed by the UN Development System in Africa to act as a one-stop-shop on information and resources relevant to Africa on the COVID-19 pandemic. The Hub harnesses information and resources from credible sources including WHO, regional UN agencies, Ministries of Health of African governments, and credible news channels amongst other reliable information sources. The portal also provides intelligent data dashboards and an intelligent, contextualized federated search engine to provide up-to-date and trusted information on the pandemic in a user-friendly manner.

The portal provides intelligent data dashboards and an intelligent, contextualized federated search engine to provide up-to-date and trusted information on the pandemic in a user-friendly manner. We have worked with different partners, internal and external. We continue to welcome technology

partners as well as partner organizations with similar interests.

The project contributes to WSIS Action Lines: **3, 6, GOV, 9, 11**

The project is relevant to **SDG1, SDG3, SDG8, SDG16, SDG17**

Karmzah Run

https://yash-saxena.itch.io/karmzah-run

The project is under **Leti Arts** in **Ghana.**

Action-packed platformer, with amazing non-linear, exciting levels. Dodge scary hazards on your chase for the ultimate mystery in a deadly challenge only Karmzah can take on! The story covers the regular adventures of our Superheroine Karmzah. But while going through regular affairs, Karmzah usually ends up in a big game of crime syndicates.   Starting from the Greater Accra region in Ghana,   the player will progress through different maps. Each new area will bring new elements for player interaction, including power-ups, characters, hazards and usables, along with story elements like new missions story lines, cinematic story shots, background story comic clips etc.

A huge youth population pan Africa can relate to their own Superhero. Female gamers from around the globe can relate to a female superhero. Also we try to make an impact by creating awareness about the people with Cerebral Palsy globally. There is a huge gap in   games and media they can relate to.

The project contributes to WSIS Action Lines: **9, 11**

The project is relevant to **SDG5**

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The project is under **Save the Children US** in **United States of America.**

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The primary beneficiaries or this data will be Rwandan children, ages 0 to 12, who have been displaced from school due to the COVID-19 outbreak, along with their families, schools, community-based child services organizations and the Ministry of Education. The survey will allow Save the Children, community-based organizations and the Rwandan government to identify the difficulties that caretakers face when caring for children in their homes during the day and to address

any resulting child welfare issues by tailoring services to meet those needs.

The project contributes to WSIS Action Lines: **3, HEA, 11**

The project is relevant to **SDG3, SDG4, SDG5, SDG14, SDG16**

Conclusion

The International Telecommunication Union (ITU) remains committed to the World Summit on the Information Society (WSIS) process, and to implementation of the WSIS goals beyond 2022. ITU recognizes and highly appreciates the extremely valuable contributions made by stakeholders to enable the continuation of WSIS monitoring and reporting. There can be no doubt whatsoever that, in today's fast-moving world, innovation and efficiency are vital to success. Accordingly, the WSIS Stocktaking Report in Africa Region 2021-2022 shares with you the most recent updates and success stories in the WSIS stocktaking process of this region.

The WSIS Stocktaking Platform continues to foster implementation of the WSIS outcomes and to facilitate exchange of information among 300,000 members representing governments, the private sector, international organizations, civil society and other stakeholders. As the Web platform continues to flourish, so does the promotion of social development and economic growth through ICTs. We continue to maintain and improve the WSIS Stocktaking Database, which contains around 13,000 entries this year. This encouraging outcome reinforces stakeholders' belief in and commitment to the WSIS Stocktaking process and their desire to share best practices.

In addition, the WSIS Overall Review called for close alignment between the WSIS process and the 2030 Agenda for Sustainable Development, highlighting the crosscutting contribution of ICTs to the SDGs. In this context too, WSIS Stocktaking is evolving to become the unique global process for the collection of information on actions carried out within the framework of WSIS, while underlining their contribution to implementation of the 2030 Agenda for Sustainable Development.

We are also pleased to announce the recent launch of a new and innovative interface, which will make it easier to search all WSIS-related activities. All stakeholders benefit from the sharing of interesting case studies, as this undoubtedly facilitates the transfer of knowledge, experiences and models for project implementation. The WSIS platform helps to create partnerships, provide greater visibility and add value to ICT projects all around the world. The many and varied stakeholders who have implemented innovative projects and contributed to the success of the WSIS Stocktaking process deserve our sincere gratitude.

Secretary-General of ITU launched a new Call for Submissions for the WSIS Stocktaking 2023, inviting all stakeholders to contribute to the WSIS Stocktaking process undertaken in support of the WSIS Implementation and Follow-up.

The WSIS Stocktaking process has been maintained by ITU since 2004 as requested by the WSIS Outcomes (Tunis Agenda for the Information Society, Para 120). This **publicly accessible WSIS Stocktaking database** (www.wsis.org/stocktaking), currently with a growing community of more than 300,000 stakeholders, is a unique global tool for collecting information and regular reporting on information and communication technologies related initiatives and projects, carried out by governments, international organizations, the private sector, civil society, academia and other entities, in the context of 11 WSIS Action Lines.

In 2015, the UN General Assembly within the framework of the ten year review of the WSIS (Res. A/70/125) called for a close alignment between the WSIS process and the 2030 Agenda for Sustainable Development (Res. A/70/1). The WSIS Stocktaking process responded by highlighting the contribution of 11 WSIS Action Lines to the achievement of 17 Sustainable Development Goals (SDGs).

We are pleased to invite you to update and submit new entries online at the WSIS Stocktaking page

https://www.itu.int/net4/wsis/stocktaking/Project/Projects/Submit. Submitted activities will be reflected in the **WSIS Stocktaking Report 2023**, which will be released at the WSIS Forum 2023. We look forward to receiving your responses.