

ICT Projects and WSIS Action Line Related Activities in CIS

Regional WSIS Stocktaking Report 2021-2022



Information and
Knowledge Societies for
Sustainable Development Goals
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World Summit
on the Information Society
Turning targets into action
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WSIS Stocktaking Regional Report 2021-2022

(Zero Draft)

ICT Projects and WSIS Action Line Related Activities

CIS Region

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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.

The United Nations Economic and Social Council (ECOSOC) resolution 2015/26 "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 963 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 CIS 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 The CIS 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 2022 contest.

It is important to stress here that 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:

- In its capacity as lead facilitator in coordinating the multi-stakeholder implementation of the Geneva Plan of Action (§ 109 of TAIS) and primary organizer and host of the annual event, the WSIS Forum;
- 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 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

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 the CIS Region

- Republic of Armenia
- Republic of Azerbaijan
- Republic of Belarus
- Georgia
- Republic of Kazakhstan
- Kyrgyz Republic
- Republic of Moldova
- Russian Federation
- Republic of Tajikistan
- Turkmenistan
- Ukraine
- Republic of Uzbekistan

ITU contribution to the implementation of the WSIS outcomes: 2021

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.

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.

ITU contribution to the implementation of the WSIS outcomes: 2022

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.

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

A digitally driven organization: E-GOV Development Center

<https://www.digital.gov.az/en>

The project is under **E-GOV Development Center** in **Azerbaijan**.

Established in 2018, "E-Gov Development Center" Public Legal Entity under the State Agency for Public Service and Social Innovations subordinate to the President of the Republic of Azerbaijan utilizes smart technologies and establishes e-government to make state services operate more efficiently, ensure service availability, and improve citizen's living standards. The main operational areas of the Center include electronic government services, e-visa issuance services, and digital payment systems. Multifaceted activities are also carried out by the Center aimed at developing G2C, G2B, and G2G e-services. To improve service quality, facilitate access to services, and increase citizen satisfaction, and e-Participation, advanced international practices have been explored, and innovative solutions have been introduced considering the needs of the citizens. Center manages "e-Gov" portal, "myGov" (proactive e-government portal based on the private cabinet), "ASAN Login" (SSO system), "ASAN Finance" (single electronic financial system), "ASAN Payment" (multifunctional government payment system), "ASAN Visa" (e-visa system), as well as "e-Tender" (centralized e-Tender platform for government agencies), "e-Agro" (electronic agricultural information system), "e-Auction", construction permit system and others. It also renders several awareness-raising and communication campaign programs. Besides, the Center has developed the "The System for Obtaining and Monitoring Permissions during the Implementation of Special Quarantine Regime".

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

The project is relevant to **SDG9**.

Asan Imza – Mobile ID

<https://asanimza.az/en/>

The project is under **B.EST Solutions** in **Estonia**.

The development of any well-functioning information society begins with the establishment of a secure digital identity infrastructure. As the critical starting point for further digitalisation – in areas ranging from e-governance to e-trade – a functional digital identification system paves the way for sustainable economic growth and the provision of high-quality, accessible public services for citizens. When we partnered up with the Republic of Azerbaijan to support their digitalisation efforts, achieving this first goal became our primary mission. In 2014, we launched Azerbaijan's Mobile ID – Asan Imza – laying the fundamental cornerstone of the country's upcoming digitalisation endeavours. We have remained one of Azerbaijan's primary partners, helping develop and connect further e-services to the Mobile ID ecosystem fostering social and technological inclusion. Mobile ID works like any physical identification method, such as a passport or ID card. It can be used to access e-services, confirm transactions or to sign e-documents. Because a SIM-card based Mobile ID does not require internet connection, it enables building e-services that are accessible for everyone, making it especially ideal for developing regions. To illustrate the inclusion of rural areas, as of current, the

Mobile ID system is connected to several services based on a verbal solution (e.g., tax declarations), which has seen widespread adoption in areas with lower literacy rates.

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

The project is relevant to **SDG8, SDG9, SDG10, SDG16, SDG17**.



The “City of Ideas” Crowdsourcing Platform of the Government of Moscow

<https://crowd.mos.ru/>

The project is under **The Department of Information Technologies of Moscow in Russian Federation**.

The "City of Ideas" is one of the components of the Moscow digital development ecosystem. This is a unique tool created for communication between citizens and the city authorities, getting feedback and transforming it into key decisions. Since the launch of the project, more than 240 thousand people have joined the platform, they participated in 30 crowdsourcing projects. The goal of the project is to provide citizens with opportunities to change the city. The fact that the site regularly implements the most diverse, short-term crowdsourcing projects makes the project unique. All ideas that have passed moderation on the platform, are selected by industry experts and put to the vote of the participants of the project. According to the voting results, the most popular ideas are implemented by the Moscow Government under the control of the platform team and the Mayor of Moscow. Since 2020, residents of Moscow have participated in confirming the implementation of ideas. Users can upload photos of ideas implemented in the city published in "Implementation of ideas" section of the site. In the fall of 2020, the new "Suggest an Idea" section was launched on the platform, allowing users to present their proposals for improving the infrastructure any time.

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

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

All.Online

<https://www.все.онлайн>

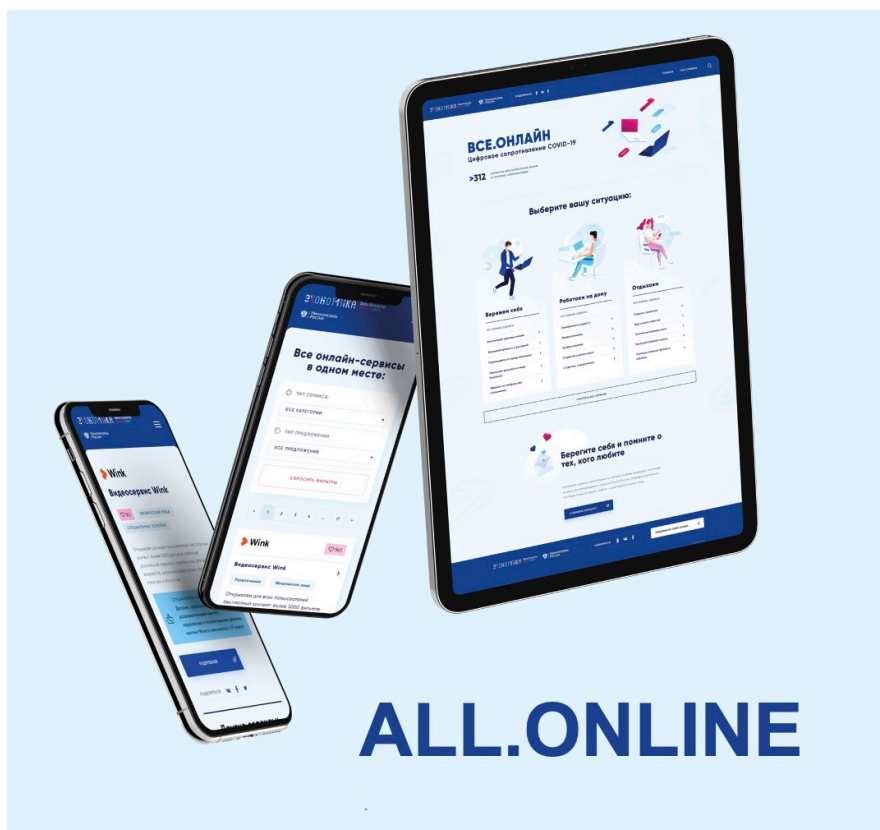
The project is under **Data Economy Russia in Russian Federation**.

In March, when widespread social distancing measures were introduced in Russia, millions of Russians found themselves inside their apartments, not knowing how to organize their lives, study,

work, etc. Realizing the inevitability of universal self-isolation, "Data Economy Russia" together with the Ministry of Digital Development launched an initiative to create an online catalog of vital online services that will help people better adapt to changing lifestyles. The initiative was called "All.Online" and was aimed to organize the Russian digital resilience to the COVID-19 pandemic. Services for the portal All.Online were selected taking into account the maximum usefulness for citizens in quarantine conditions and are grouped by type of life situations: "Taking Care" (foodtech, delivery, psychological help, telemedicine, etc.); "Working from Home" (remote work for companies, freelancing and internships); "Learning" (educational programs for all ages); "Relaxing" (entertainment and information services). Subsequently, a "Caring for Others" section appeared on the site for charity reasons. Under the motto "Helping to Help," the All.Online project became a link for its audience that connected it with the Association of Volunteer Centers' project "myvmeste2020.rf", the Aid Nearby project and the Kindness Basket project, which helped various social groups during the acute phase of the pandemic. Most of the companies for sometime offered their services for granted (because of the pandemic) or under special conditions. Results : - More than 500 digital services helped several million Russians go through a period of self-isolation with the least loss in quality of life: the combined audience of All.Online and its "mirror" on Gosuslugi.ru exceeded 5 million unique visitors; - All.online was recognized by the Government as a socially important service with non-tariffed Internet access; - The total audience of messages about the project exceeded 100 million people

The project contributes to WSIS Action Lines: 1.

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



The Set of Initiatives to Develop IT-solutions Using 5G Technology

<https://www.mos.ru/city/projects/5g/>

The project is under **The Moscow Department of Information Technologies in Russian Federation**.

Since 2018, Moscow has been the first in Russia to implement the Set of Initiatives to test 5G technology and create conditions for implementing 5G solutions. The Project includes the creation of 5G pilot zones in Moscow, the functioning of the city's 5G laboratory, and the creation of Russia's first industrial 5G test area. 26 5G pilot zones function in different parts of the city. There, operators create interaction scenarios for 5G and previous generations networks, study the functionality and services. To develop 5G consumer solutions and city services and to relieve the investment burden, we opened the first Russian 5G laboratory to solve tasks of the city – the 5G Demo-Center in October 2020. The Center searches for successful 5G service usage scenarios to improve the life quality. Other tasks are piloting and implementing new city 5G services. Healthcare system, Transport, City Security, and Education are the priority sectors. At the end of 2021, the first industrial 5G test area with the was opened at Botkin Hospital. There we plan to pilot the healthcare technologies and services such as 24h monitoring of patient's conditions and VR and AR staff training. The test area will host studies, 5G healthcare solutions piloting.

Together with communication providers and vendors, Moscow systematically tests new solutions aimed at developing the city environment, improving the safety and quality of the citizens' lives. "Smart overtaking", "Smart crossroads" and "Safe pedestrian" solutions were tested at the 5G piloting zone of VDNH EXPO. They will make the city traffic safer both for drivers and pedestrians as the 5G networks develop. In November 2020, Europe's first tests of the laptop with an integral 5G modem were conducted at the platform of the 5G Demo-Center. Combining such devices with the possibilities of 5G networks of millimeter range will allow finding new application scenarios for business and private users. The innovative developments of several Russian startups have already been tested at the 5G Demo-Center. These are the platform for working with a BIM project on a building site, an aero-monitoring system, and a smart entrance system based on computer vision technologies.

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

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



Development of IT infrastructure and IT entrepreneurship of IT Park

<https://it-park.uz/>

The project is under **IT Park Uzbekistan** in **Uzbekistan**.

IT Park is aimed at the widespread development of IT in the country, the development of infrastructure. IT Park is a technology park operating in the field of IT. A place where active and talented people turn their ideas into real business projects due to the availability of modern technical infrastructure, financial and scientific support. The main goal is to promote the accelerated development of the IT industry in the regions, as well as creating favorable conditions for the development and production of competitive IT products and services, promoting them in domestic and foreign markets, stimulating innovative developments, providing residents with the necessary infrastructure in the regions, training population and youth in order to form a modern class of highly qualified specialists, holding master classes, trainings and advanced training courses. To date, 8 branches of the IT Park have been opened throughout the country, by the end of 2022 it is planned to open 14 branches, and 205 IT Centers have been opened throughout the Republic - small premises in each region of the country to provide IT infrastructure. Also, for the effective development of IT infrastructure, there is close cooperation with universities, which open incubation centers.

The main significance of this project is the training of personnel for the development of the IT sector, which increases the IT companies in the market, which increases the country's GDP in this area, and also increases the growth of exports of IT services.

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

The project is relevant to **SDG1, SDG4, SDG7, SDG8, SDG9, SDG11, SDG16, SDG17**



AL C2. Information and communication infrastructure

Retail Queue Management Solution

<http://earlyone.com/earlyone-retail-queue-management/>

The project is under **Earlyone in Armenia**.

Earlyone has released a new solution to battle the outcomes of the coronavirus outbreak. Besides, Earlyone has improved the existing solution by offering a new feature to its users - QR check-in that allows contactless activation of virtual tickets created with Earlyone app.

The project contributes to WSIS Action Lines: **2**.

The project is relevant to **SDG3**.

No-touch high-precision IA-based thermal camera system

<https://teplovizor.rt.ru>

The project is under **PJSC Rostelecom Russian Federation in Russian Federation**.

"Rostelecom is Russia's core systemic enterprise with a headcount of over 200 thousand employees, offering telecommunications and digital services across entire Russia. We were unable to put all our employees under quarantine imposed due to COVID-19 pandemics. In order to ensure maximum safety and protection of those employees who keep going to office for work, we decided to equip their offices with thermal camera systems to measure visitors' body temperature and reduce any risk of an infected visitor's coming inside the office, because high temperature is the main sign of COVID-19 infection existence. After some offices were equipped with thermal cameras, it was found that measurements were often inaccurate under slightly varying installation conditions, thus requiring a visit of an engineer to repeat the camera setup. To address this issue we have integrated cameras into Rostelecom video-surveillance platform and developed an algorithm based on the Artificial Intelligence for an automatic calibration of a camera without any human involvement. Then we develop a capability to support connections of all the installed thermal camera units to a common single monitoring center to ensure control over the epidemiologic situation across entire company, by collecting and assessing events issued by all connected units, in order to undertake data-based preventive measures. While developing the product for ourselves, we have managed to create a really breakthrough product, which proved to be of interest to our customers, and we have promptly offered it to them, thus helping them to cope with prevention of COVID-19 spreading."

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

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

Moscow system of video surveillance and smart videoanalytics

https://www.mos.ru/otvet-ekstrennie-situacii/uznat-o-gorodskoy-sisteme-videonablyudeniya/?utm_source=search&utm_term=serp

The project is under **The Department of Information Technologies of Moscow in Russian Federation**.

Moscow has created a surveillance system with video analytics, which is an effective control tool for housing and development services, as well as ensuring safety. The system has more than 204000 cameras: – City Cameras installed using service model (VSaaS): in public places, yards and entrances, social organizations, retail facilities, etc.; - Integrated surveillance system of public places – parks, transport, facilities etc.; - Integrated surveillance systems of commercial organizations – shopping centers, banks, etc.; – Mobile video surveillance - mobile app for streaming using smartphones, vehicle video recorders, portable cameras, quadcopters. The transition to the service

model saved up to 40% of budget compared to the traditional model. The Moscow surveillance system processes about 1.7 billion hours of video per year. More than 25 thousand employees of city services and law enforcement agencies can access the system. Video surveillance helps monitor the maintenance of urban areas, construction of key facilities, identify illegal construction and advertising, regulate traffic, ensure safety and much more. A video analytics module using a neural network is connected to the system. Since the beginning of 2020, 105000 cameras have been connected to the face recognition module.

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

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

Hosting Call center – virtual automatic telephone station (VPBX)

<https://moscow.rt.ru/b2b/telephony/vats>

The project is under **PJSC Rostelecom in Russian Federation**.

Due to the current pandemics, a lot of medical organization decided to promptly set-up hotlines to provide support to the public in connection with issuing illness certificates. Rostelecom has been deploying call-centers on short notice on the basis of the Virtual Telephone Exchange service (VPBX) with allocation of a nationwide phone number, enabling millions of people to make free phone calls at the allocated number and ask questions of interest to them. Also, under the quarantine, demand for home delivery of goods and food products has been experiencing dramatic growth rates. For instance, in Kaliningrad region Rostelecom has helped two large companies to arrange promptly an over-the-phone ordering, order handling and distribution process using call-center facilities. Having in place a high-tech cloud-based solution, the companies are now able to handle much higher order volumes. In order to offer support to small and medium businesses against the backdrop of fighting the COVID-19 infections, Rostelecom has launched a Home Office service based on the Virtual PBX solution. The new offering will enable entrepreneurs to maintain efficient channels of communications with employees, customers and partners, while staying at home. Virtual PBX service makes it unnecessary for its customer to buy and maintain any networking equipment, because such equipment is deployed in the provider server, while subscribers are connected via the cloud. Additionally, Rostelecom offers its customers an opportunity to implement any scale of telephone service ranging from small start-ups to large nationwide companies, featuring a broad selection of extra options, like call monitoring, call recording, etc. Customers, owning Virtual PBXs are able to independently manage their telephone networks using the private cabinet capabilities and make settings of their networks to meet their business needs.

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

The project is relevant to **SDG2, SDG3, SDG8, SDG9, SDG10, SDG11**



AL C3. Access to information and knowledge

EPAM eKids

<https://www.epam.com/about/who-we-are/social-responsibility>

The project is under **EPAM Systems in Belarus**.

Based on MIT's Scratch Program, EPAM eKids provides a fun environment to learn coding through hands-on challenges and close voluntary mentoring opportunities with our employees. The program helps primary school-aged children to explore Software Engineering using Scratch as well as Robotics, JavaScript, Python, C++, and Java. It was launched in Belarus in 2015 and continues to expand. The 12-week program is organized twice a year and runs for 1.5 hours/week. The program is focused on ensuring that vulnerable kids also have the opportunity to participate in coding and tech education. We teach kids from SOS Children's Villages, UNHCR, "Rano" (a voluntary association aimed to help families with premature kids), along with disabled children outreach networks. Currently, the 12th eKids program is in progress in Belarus with 45 volunteers from EPAM, teaching 250+ children both in online and offline format. Goal: Our program encourages children to explore software engineering, develop skills and proficiencies in tech, and pursue lifelong learning. By sharing our knowledge and expertise of EPAM volunteers with younger generations, we are investing in their potential to engineer the future alongside EPAM. Since 2015 EPAMers have dedicated over 75,000 hours for mentorship, training and teaching.

The project contributes to WSIS Action Lines: **2, 3, LEA, 11**.

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

MA Bonch-Bruyevich" in Russian Federation.

The initiative proposed at SPbSUT provides an opportunity for all students, regardless of gender, to undergo training in the field of telecommunications and apply their knowledge within the walls of the University, taking part in scientific conferences and projects. Extracurricular scientific events are organized on a regular basis: scientific interest communities, intellectual team competitions, etc. This provides a platform where everyone, including women and girls, can express themselves and show their skills in various fields. The target audience of the project is young students between 18-25 y.o.. The aim of this initiative is to improve access for women and girls to digital technologies, expand their opportunities, acquire additional skills and knowledge in the field of ICT and strengthen their position in this area. During this year, it is planned to expand the project by integrating with other higher educational institutions of St. Petersburg. A distinctive feature of our project is that when registering for various scientific events, the gender of the participant is not indicated, thereby equalizing the rights of all participants.

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

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

Customer Service Communication Platform

<https://help.mos.ru>

The project is under **The Department of Information Technologies of Moscow in Russian Federation**.

Moscow is a 17-million megacity, whose residents actively contact the city's hotlines for information and support. At the same time, the city did not have a single database and knowledge management system, data exchange between various services in order to support Moscow residents was available only by e-mail, and the knowledge forming and approving process took a very long time. The goal of the project was to create a unified system that ensures the interaction of support and technical services in the process of organization of information assistance for citizens, which would also include the knowledge management and online requests processing functions.

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

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

IT-nomad camp. Nomad camp school and kindergarten

<https://depit.admhmao.ru/it-proekty/it-stoybishche/>

The project is under **Government of the Khanty-Mansiysk Autonomous Okrug - Ugra, 628006, Russian Federation in Russian Federation**.

The Khanty-Mansiysk Autonomous Okrug-Ugra is implementing the project "IT nomad camp school and kindergarten". The project implementation started with the establishment of IT nomad camps with a goal to provide Internet connectivity to the northern indigenous population in remote areas. Satellite equipment or cellular signal boosting equipment is installed in such communities to ensure Internet access. Each Internet access point ("IT nomad camp") is meant for several reindeer herders' camps each inhabited by more than one family. The inhabitants of the camps can visit the access point to use the Internet. 26 IT nomad camps have been set up in 2 years bringing Internet access to more than 2200 people. The establishment of IT nomad camps gave momentum to a new unique project, unmatched in the world, the "IT nomad camp school and kindergarten". The project provides for online training of schoolchildren while their parents pursue traditional indigenous nomadic way of life. It gives children an opportunity not to attend a boarding-school. Parents can opt for e-learning for their children for certain period of time. All such families are provided with uninterrupted Internet access and digital educational devices (laptops, tablet computers, desktop computers). The unique feature of this model of training is integration of homeschooling with the traditional teaching in a classroom setting. The project targets preschool and primary general education. A unique digital key is emailed to one of the parents for access to the digital educational platform and its specially developed educational curricula. Children study the material together with their parents, do tasks in accordance with their age and individual schedule. The platform offers an opportunity for online consultations with teachers of any of the school subjects and access to online lessons.

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

The project is relevant to **SDG4**.

The "Active Citizen" Project

<https://ag.mos.ru>

The project is under **JS-Company "Electronic Moscow"** in **Russian Federation**.

The “Active citizen” project started in 2014 as a platform for electronic voting on urban development issues. An exceptional feature of the project is the guaranteed implementation of citizens’ decisions. The project has expanded its functions and sections. The following sections are available on the project's website and in the app: "Voting", "Public discussions of urban development projects", "City news", Rewards store for project participants, "Pulse of the Capital", "Project's faces", the Online map of implemented decisions. Moreover, several independent services that form a culture of digital democracy among the residents of Moscow are implemented on the basis of "Active Citizen": -“E-Home”, -“Clean City”, - "A Million Prizes" - a program for increasing consumer demand. The participants determine streets, courtyards, and parks to be developed, how clinics, libraries, and multifunctional centers work, determine the development of the districts and they also choose holiday events. Since 2014, “Active citizen” is used by more than 4.8 million citizens, about 2 million of them registered in 2020. An average of 200 thousand people participate in each voting. Over the six years, more than 4.8 thousand voting procedures were held, more than 3.5 thousand decisions and 150 million opinions were implemented and considered.

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

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

Stereotypes about women and their consequences: on the path to equal opportunities in the digital economy

<https://nafi.ru/>

The project is under **NAFI Ltd.** in **Russian Federation**.

The study set out to examine the mindsets in Russian society that cause gender inequality in the digital economy. We found that gender inequality is usually measured in terms of indices, which are calculated on the basis of rather formal indicators like literacy rate, labor force participation, income level, life expectancy, number of women in parliament, etc. At the same time, public opinion is rarely taken into account, although the gender inequality phenomenon is formed and maintained by members of society themselves. This issue should be studied largely through public opinion, not only through economic, financial, or demographic indicators. We set a goal to determine the real status of women by studying the public opinion concerning such issues as career opportunities of women in the modern digital economy as well as in politics, representation of women in the media, the role of parents in shaping career plans of teens, professional preferences depending on gender, assignment of domestic duties between men and women, etc. This gave a deep understanding of how existing perceptions of Russian people regarding the role, abilities and potential of women guide them when making decisions on gender issues. We discovered that one of the most significant reasons causing the current high level of gender inequality is a set of various stereotypes that affect many aspects of our lives from the economy in general and its digital sphere to the labour market, education, public, and family life. These stereotypes prevent women from realizing their dreams, implementing projects and moving forwards. The study’s results give a comprehensive picture of the key barriers at the level of social stereotypes that directly affect status of Russian women in the digital economy, public and family life, education, and labor market. The sample included 1,811 respondents aged 14+ living in 8 federal districts and 46 regions of Russia. Desk research method as well as personal and expert interviews were used to conduct the survey.

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

The project is relevant to **SDG5**.

1 Of U

https://www.facebook.com/pg/1OfUapp/photos/?tab=album&album_id=1885592641472233

The project is under **AYG Educational Development Center** in **Armenia**.

1OfU application provides an easy platform for both autistic children and people communicating with them. Using games children will feel free to communicate with others and express their needs. Thanks to the test included in the application, parents will be able to check whether their child has autism symptoms or not and what to do, if yes. But the most important section is the Speak, where children will make easy sentences. The app will pronounce that sentence and parents will understand what's wrong. Our app focuses on a significant problem that exists both in our community and in our society. The number of people suffering from autism worldwide has increased to 67 million. There is also an increase in the number of cases in Armenia.

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

The project is relevant to **SDG3**



AL C4. Capacity building

Talk to me

<https://www.cea.ge/>

The project is under **Contemporary Education Academy** in **Georgia**.

An application developed for children with mute-deaf parents. Hearing children raised by deaf-mute parents, from the very moment of their birth, suffer from severe communication problems with their family or the society. Early on, there may be thoughts of alienation. These conditions can affect the deaf-mute offspring's personality. Our innovation is unique and significant from other apps because ours is free when for others you have to pay money, not all people can pay for things like apps, when they have many more necessary things to pay for. We reckon, that this issue is not getting as much attention as it should. We aim to create an app, that provides children alike with advanced courses to

help them to develop communication skills to have contact with their parents and people of any kind. Our innovation includes both sign language and talking sessions. Talking sessions are split into 3 levels: A1; A2 and B1. Each level has different vocabulary difficulties so that the user can experience progress throughout the process. This program offers variety of techniques based on the needs of the user, this means, that the levels are divided into two parts each: basic communication and interesting communication. Sign language operates off of video lessons, which are pre-recorded. The consumer learns both types of communication skills. This app is a speaking bot, which provides the user with live experience, like talking to the children, asking them how their day went and et cetera. Basic communication section teaches general talking phrases, questions and makes the person feel appreciated and not left out. (we are a group and the applicant that submitted this form is our leader and the only person above 18 years of age. we hope that our age won't create any problems and it will be accepted)

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

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



Electronic agricultural maps

<https://agro-asia.com/ru>

The project is under **AgroInformAsia** in **Kyrgyzstan**.

Electronic agricultural cards, <https://maps.agroinform.asia/krg/ru> with information on Kyrgyzstan, Tajikistan and Russia, which allow solving problems: 1. optimization of agricultural production; 2. optimization of processing and trade of agricultural products on the domestic market and export; 3. optimization of transportation costs; 4. food security at the district level; 5. Facilitating the interaction of various participants in agricultural chains.

The project contributes to WSIS Action Lines: **1, 4, 5, 6, AGR**.

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



Technograd Innovation and Education Complex

<https://technograd.moscow>

The project is under **The Department of Information Technologies of Moscow in Russian Federation**.

Technograd is an innovative and educational complex located on the territory of the Main Exhibition of Moscow – VDNH. It is a unique platform of the Government of Moscow, offering a new format of career guidance, training and educational leisure for residents and guests of Moscow, as well as training for the representatives of small and medium-sized businesses and the self-employed online and offline. About 160 thousand people took part in free online courses and workshops of the Technograd in 2020. "Technograd" training program is updated annually. It covers areas with the highest demand for employees. In 2020, it was possible to participate in distance workshops on photography, graphic design, video blogging, sound engineering and 3D animation. They combined a theoretical framework and practical tasks. There is the Career Development Center operating on the basis of Technograd. It helps citizens to choose a profession, develop soft skills and learn about the requirements in large companies. In 2020, the Center launched the "Mom Online" project allowing the participants to learn during parental leave. In total, in 2020, the center prepared more than 730 online trainings. Career consultants conducted more than 1.3 thousand online meetings with applicants helping them create a resume, prepare for job interviews, and plan a career.

The project contributes to WSIS Action Lines: **3, 4, 6, LEA**.

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



Women in Tech Russia

<https://women-in-tech.org/ru/>

The project is under **Women in Tech in Russian Federation**.

Women in Tech® is an international organization with a double mission: to close the gender gap and to help women embrace technology. The organization focuses on 4 primary areas that are a call for action: Education, Entrepreneurialism, Social Inclusion, Science & Innovation. The aim is to educate, equip, and empower women and girls with the necessary skills and confidence to succeed in STEM career fields. More than an organization, we are a global movement made up of members, partners, and an ecosystem of networks that share our values and that have the same mission of striving for an Inclusive Tech industry. The issue of women empowerment in Tech is of major importance. We have to tackle it as a global community so as to drive sustainable change and create the necessary impact. Our community is represented by persons of all abilities – regardless of gender, race, ethnicity, class, age, or sexual orientation. We have members in over 60 countries.

The project contributes to WSIS Action Lines: **2, 3, 4, 5, 6, LEA, EMP, 10, 11.**

The project is relevant to **SDG1, SDG4, SDG5, SDG8, SDG9, SDG10, SDG11, SDG12, SDG17.**



Electronic agricultural maps

<https://agro-asia.com/ru>

The project is under **AgroInformAsia** in **Kyrgyzstan**.

Electronic agricultural cards, <https://maps.agroinform.asia/kg/ru> with information on Kyrgyzstan, Tajikistan and Russia, which allow solving problems: 1. optimization of agricultural production; 2. optimization of processing and trade of agricultural products on the domestic market and export; 3. optimization of transportation costs; 4. food security at the district level; 5. Facilitating the interaction of various participants in agricultural chains.

The project contributes to WSIS Action Lines: **1, 4, 5, 6, AGR.**

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



Model network for research and education in the area of telepresence services

<http://www.seti.sut.ru/model-network-for-telepresence-services/>

The project is under **The Bonch-Bruевич Saint Petersburg State University of Telecommunications in Russian Federation.**

Telepresence services are future communication services that were originally planned to be implemented in 2030 networks, but the need for these services in a pandemic dictates their accelerated implementation. Telepresence services include holographic copies of a person, a variety of augmented reality applications, network remote control of robots. Such services can only be implemented with the required quality of service on base of the transmission systems operating at Tb/s rates. At the Department of Communications and Data Transmission of St. Petersburg State University of Telecommunications we create the telepresence services model network. It is equipped with SDN switches, Russian-developed DWDM system “Volga”, holographic fan, augmented reality glasses, RGB-D cameras, and Arduino-based sensing gloves and robotic arms.

The telepresence services model network is intended for scientific and education purposes. We hope that the obtained research and development results will help to create affordable and efficient telepresence systems that allows people from the remote areas get access to the variety of services, including distant health care, education, and employment. Also, our model network will help to educate a new generation of specialists who will know firsthand what telepresence services are and how to provide them to users in the best possible way.

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

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



Development of women's entrepreneurship and IT skills

<https://tumaris.tech/>

The project is under **IT Park Uzbekistan** in **Uzbekistan**.

Tumaris.Tech is a project for the comprehensive support of women's entrepreneurial initiatives. This project consisted of 3 components and aims to strengthen the involvement of women in the ICT ecosystem: from the development of BPO through the provision of education for women who want to work as freelancers, to the development of start-ups and training in investments. 1) training in Uzbek in 5 IT areas: SMM and copywriting, Graphic design, web development; Mobile development; Basic computer literacy. • 2 waves of training • more than 3500 registrations • 200+ girls received training • 50+ girls are internships or employed 2) programs of incubation and acceleration of women's startup projects: 3-month program to improve skills in the areas of management, negotiation, marketing, sales and leadership. • 2 waves of incubation/acceleration programs; • more than 450 applications; • 30 projects successfully completed training; • conducted 50 classes or 90 hours of training; • 25 local experts in various fields delivered lectures in the classroom; • 5 international experts shared their knowledge with start-up projects; • 270 hours of tracking done. 3) a school of business angels, aimed at developing the investment climate in the Republic. A series of events held made it possible to create a database of potential investors and business angels. • more than 250 registrations; • 70+ people actively participated in the webinar series; • Contact was made with 10 potential investors.

On December 3, 2020, the Tumaris.Tech project became one of the finalists of the international competition "WomenTech Global Awards 2020" and took third place among the finalists in the category "Upskill and Reskill program of the Year" for the contribution that was made to the development of women's entrepreneurship in Uzbekistan.

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

The project is relevant to **SDG4, SDG5, SDG8, SDG16**



AL C5. Building confidence and security in use of ICTs

Beeline AI - people search

<https://lizaalert.beeline.ru/>

The project is under **VimpelCom PJSC** in **Russian Federation**.

Since 2018, Liza Alert started to use drones during search operations in the forest and industrial city

areas. Approximately 2,500 photos are received from the drones during one day of the search operation. A group of 30 volunteers needs an average of 5 to 7 hours to process these images. Moreover, human factor is an issue: drone images are sometimes hard to study and find signs of human presence and after several hours of studying volunteer might lose their touch. In the summer of 2019, Beeline was the first in Russia to launch “Beeline AI – People Search” based on a neural network to process photo images of the terrain obtained by drones working over the areas where Liza Alert volunteers conduct lost people search. Beeline and Liza Alert experts developed and trained the neural network including relevant experience of the latest solutions in this field. The neural network has potential to locate people and objects in any search area such as forests, swamps, fields, cities regardless time of the year, clothes worn by the missing person because the algorithm is adjusted to any season and is potentially capable to recognize non-standard body position such as of a person sitting, lying or partly covered by foliage. The system is adaptive, configuring to accurately locate search objects from 30-40 and 100-meter flight heights alike. “Beeline AI – People Search” cuts down the time required to study and sort the obtained photos, sorts out uninformative images and enables volunteers to focus on the photos with the potential signs of presence of the missing person, i.e. the lost person, elements of their clothes, equipment, etc. With “Beeline AI – People Search”, it takes 2-3 seconds to review 1 photo image cutting down the time needed to process the whole mass of images to 1-2.5 hours depending on the total number of photos. The new technology enables Liza Alert volunteers to spend 2.5 times less time on reviewing and sorting the received images. The project contributes to WSIS Action Lines: **2, 3, 5, 11**. The project is relevant to **SDG3, SDG17**.

ASAN Bridge - National Information Exchange System

<https://www.digital.gov.az/en/projects/our-projects/asan-bridge>

The project is under **E-GOV Development Center** in **Azerbaijan**.

The National Information Exchange System “ASAN Bridge” provides coordination of state information resources and systems, as well as fast, stable, and secure exchange of information between those resources and systems. In addition, the “ASAN Bridge” has certain significant functionalities such as centralized management of relevant permits when transferring information from one institution to another, receiving and transmitting all types of services, versioning of services to increase the stability of transmitted services, division of services into sub-services and thus enabled to transfer only the necessary information between the parties involved in a transaction. Information exchange in the system is carried out through web services. The web service is developed only once by the organizations and transferred to the ASAN Bridge system. The transferred service can be obtained by other institutions through the ASAN Bridge system within the permits issued to them. The advantages of the ASAN Bridge system are: • Not dependent on physical equipment (card, token, etc.) • Ability to work on all Operating Systems (OS) • Timely detection and prompt elimination of any problems within the system through the monitoring module • Relevant permissions can be managed centrally while transferring information from one institution to another • Acceptance and transfer of all types of services (XML, JSON, SOAP, Restful) • Versioning of services in order to increase the sustainability of transmitted services • The services can be divided into sub-services and thus transfer only the necessary information from the transmitted data to the other party. • Maximum speed and convenience of information exchange etc.

Information exchange tool ASAN Bridge System, as an integrated module of the e-Government Information System (EHIS), provides coordination of government information resources and systems, as well as stable and secure exchange of information between those resources and systems.

The project contributes to WSIS Action Lines: **1, 2, 3, 5, GOV, 10**

The project is relevant to **SDG9**



AL C6. Enabling environment

Single electronic access platform for financial organizations: ASAN Finance

<https://www.digital.gov.az/en/projects/our-projects/asan-finans>

The project is under **E-GOV Development Center** in **Azerbaijan**.

The “ASAN Finans” project is a single platform providing financial institutions with electronic access to state information resources. A unified system of informing citizens about the “ASAN Finans” project allows faster analysis of information. Hence, in case of citizen’s consent, institutions can easily access electronic information via the system, including one’s ID, workplace, TIN, existing property, and information about a person’s responsibilities before the state. By these means, institutions save time and resources. At the same time, citizens are allowed to use a number of bank services, create a bank account, and apply for credit via the system with their e-signatures. The system minimizes the use of paper and saves time for both citizens and institutions. Simultaneously, during the pandemic, two more services were developed and implemented in the real world under the “ASAN Finans” project (transmission of data on NGO grants and transmission of information on e-agriculture). Currently, “ASAN Finans” fully covers 55 institutions including more than 90 percent of the banks operating in the country (25 banks) as well as 18 credit institutions, 2 insurance companies, 1 clinic, 1 government agency, and 3 payment systems. The system provides transmission of various types of data over 10 services.

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

The project is relevant to **SDG9**.

Electronic auction for granting subsoil rights for hidrocarbons

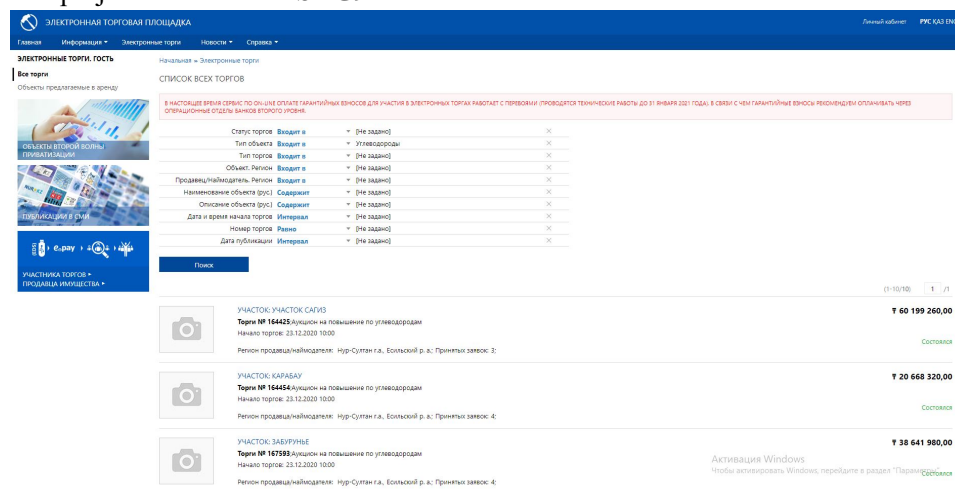
<https://traderesources.gosreestr.kz/en/traderesources/res-subsoil/res-hydrocarbon/info>

The project is under **Ministry of Energy of the Republic of Kazakhstan in Kazakhstan.**

Mission and main objective: creating favorable conditions for fair competitive bidding. E-AUCTION - electronic submission of applications for obtaining subsoil use rights for hydrocarbons, their processing. In 2020, a system of electronic auctions was launched to provide the subsoil use right for hydrocarbon deposits in electronic form, that is, online. In the context of the threat of the spread of the COVID-19 pandemic and a number of restrictions on the conduct of events, this innovation is very relevant. Applied information services with a high level of format-logical control are integrated with government databases and payment systems. Multi-format services: G2B (Government to business), B2G (business to Government). The project is unique, as it is a way to reduce user costs for documenting processes, increase the level of comfort in obtaining government support and transparency of all internal processes. E-AUCTION is a vivid example of the fact that in Kazakhstan, due to the availability of ubiquitous access to the Internet, favorable conditions are created for conducting fair competitive bidding.

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

The project is relevant to **SDG9.**



E-AGROINSURANCE

<https://agrin.kz>

The project is under **AGROINSURANCE LLC. in Kazakhstan.**

The main goal of the project is to enable farmers and insurance companies to interact online for agricultural insurance. The insurance products developed by the Swiss company "Swiss Re" and the data provider, the Dutch company "VanderSat" were fully online. 1. Conclusion of insurance contracts; 2. Monitoring of fields; 3. Making insurance payouts. We want to provide transparent insurance for all project participants. Our service was especially relevant in a pandemic and movement restrictions due to exposure to Covid-19

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

The project is relevant to **SDG17.**

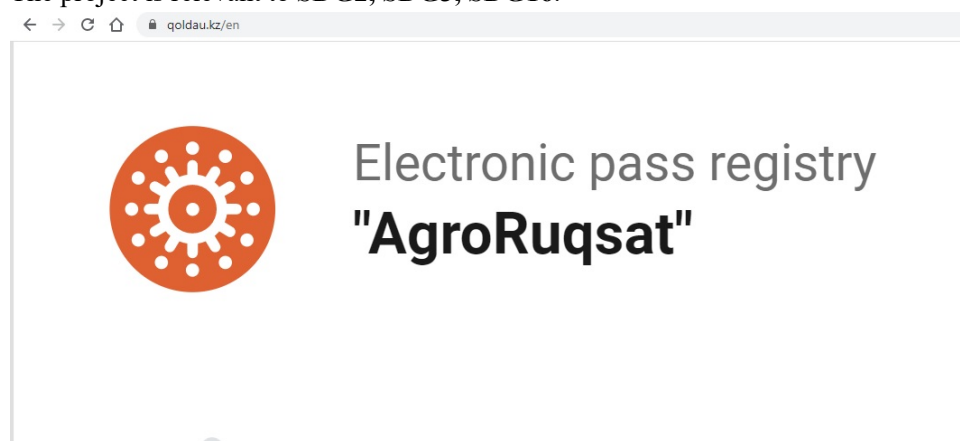
ELECTRONIC PASS REGISTRY AGRORUQSAT

<https://ruqsat.qoldau.kz/>

The project is under **Joint Stock Company "Information and Accounting Center"** in **Kazakhstan**. Mission and main goal: Providing the population with food in the context of restrictive government measures aimed at countering the spread of COVID-19. In 2020 most countries have enforced severe restrictions on movement, social contact, and access to public spaces across the board to limit the spread of COVID-19. However, restrictive measures also affected farmers and other agribusiness entities that provide the population with food and foodstuffs. Thus, in April 2020, the President of the Republic of Kazakhstan K.K. Tokayev was instructed to ensure the unhindered crossing of quarantine zones for farmers and other agribusiness entities. In this regard, the IAC in a short time developed and launched the electronic service AGRORUQSAT, which allows farmers to form an application for a pass online, while the service automatically verifies the data on the applicant from about 15 state databases, information on the pass is automatically transferred to the checkpoints. The introduction of the service made it possible to avoid direct contact between farmers and government agencies, eliminated the need to travel to administrative centers and provide paper documents, thereby eliminating the risk of the spread of COVID-19. Since 2020, 230,374 passes have been issued, of which 184,914 for farmers, 45,460 for other agribusiness entities, 149,809 passes for vehicles and agricultural machinery have also been issued.

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

The project is relevant to **SDG2, SDG3, SDG16**.



A programme of practice-focused training in cybersecurity

<http://www.cbr.ru/eng/press/event/?id=8337>

The project is under **the Central Bank of the Russian Federation** in **Russian Federation**.

A programme of practice-focused training in cybersecurity that builds on the experience of leading digital economy companies has been developed as part of the national programme Digital Economy of the Russian Federation. The Programme includes modules of lectures on the following topics:

information security methodology; the main trends in the information security in a digital economy; interaction between the state, business and citizens on information security in a digital economy. The Programme combines the latest theoretical problems of information security and international and Russian practices from the best experts in the field, including lectures, discussions, case studies and analysis of best practices, which involve international experts. 1,400 Bank of Russia employees and 920 representatives of law enforcement agencies, such as the Federal Security Service of Russia, the Interior Ministry of Russia, the Federal National Guard Troops Service, the Investigation Committee of the Russian Federation and the Prosecutor General's Office have completed the training. The training is conducted in online format, and more than 100 training events have been held. The programme is particularly relevant, given the growing scale of fraudulent transactions in the credit and financial sector and the development of new information technologies. The programme implementation significantly contributes to combating fraud, improving cyber security, which will definitely have a beneficial impact on the development of the financial system and society, as well as enhancing and strengthening digital immunity which will result in a quicker response to information security incidents. The Bank of Russia will continue to implement the Programme. In Q1 2021, the training will be provided to organisations of the credit and financial system; in Q2, the training is planned for faculty at higher education institutions in the field of information security; it is planned to provide training to leading digital economy companies. The project contributes to WSIS Action Lines: **2, 5, 6**. The project is relevant to **SDG9**.



Bank of Russia

"I am at Home" Good Deeds Aggregator ("Ya-doma.ru")

<https://ya-doma.ru/>

The project is under **JS-Company "Electronic Moscow" in Russian Federation**.

"Stay home. We will help!" In March of 2020, the Moscow Social Development Complex launched the "I am at home" portal, a good deeds aggregator to support citizens during the pandemic and self-isolation period. When it became clear that the COVID-19 pandemic was inevitable in Moscow, the Moscow Department of Labor and Social Protection launched a new "I am at Home" Portal. 2 million citizens of 65+ age group and people with chronic diseases were the first to enter self-isolation – it was necessary to organize social help, informing and online leisure for them. For others, the portal is a

platform for good initiatives of the authorities, business, Non-Commercial Organizations and an effective tool for the volunteers of the "My Social Assistant" project. In 11 months, "I am at Home" has developed into an online platform uniting the initiatives. The audience has exceeded 1.77 million visits and 975 thousand unique users since its launch. Every month, new categories and landing pages of social projects for all Moscow citizens are added. 35 projects and landing pages are now available on "I am at Home". Every month it is used by about 80 thousand people, who find something interesting on the portal.

The project contributes to WSIS Action Lines: **2, 3, 4, 5, 6, LEA, 9.**

The project is relevant to **SDG3, SDG4, SDG8, SDG11.**



Moscow Innovation Cluster i.Moscow

<https://i.moscow/>

The project is under **JS-Company "Electronic Moscow"** in **Russian Federation.**

The main goal of the platform is to create a unified digital space for search and communication between innovative companies, business partners, suppliers, customers and investors in projects on scientific and industrial cooperation, R & D and innovative products. i.Moscow unites tools and services for innovation projects from applying for support measures and pilot sites online to help in search for new partners and investors. The cluster unites the innovative infrastructure and creates conditions for the innovation development. i.Moscow includes 19 691 participants and partners, 11 thousand innovation companies, 110 pilot sites, a marketplace with 734 000 products and 127 thousand services, a contract manufacturing exchange with 104 manufacturers, a partner search tool, and 190 developed projects. It also provides online services such as premises and coworking rental, patent exchange, factoring companies aggregator. Social innovations are an important in the operation of the cluster improving the quality of life. The possibility to submit an online application for the provision of services allows all citizens including disabled users to access the services.

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

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

Automated Information System "Soulful Moscow".

<https://душевная.москва/>

The project is under **The Department of Information Technologies of the Government of Moscow in Russian Federation.**

Soulful Moscow is the information system of Moscow for the citizens and non-commercial organizations (NCO). Deploying the unified ecosystem uniting citizens, non-commercial sector, authorities, business on the basis of information solutions provided by Soulful Moscow is what makes the project unique. Digital services of Soulful Moscow cover the following main areas of work with non-commercial sector: - Uniting range of data about non-commercial sector, including NCO registers (socially oriented NCOs, beneficiaries of NCOs, charity organizations etc), registering all interactions of NCOs with the authorities of Moscow. - Support for the activities of public and other non-governmental NCOs, assistance in establishing contacts with the authorities of Moscow, holding joint events - Resource and information support for the activities of volunteers, assistance in establishing contacts with the authorities of Moscow, holding joint events; - Assistance to youth and students in promoting social initiatives, providing support, assistance in establishing contacts with the authorities of Moscow, conducting joint events with educational institutions - Coordination of the work of authorities to improve the social partnership system - Informing residents and participants of the non-profit sector about social events in the city using a network of specialized Internet resources managed from a single administration center.

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

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



AL C7. E-government

Proactive e-government portal based on private cabinet: “myGov”

<https://my.gov.az/>

The project is under **E-GOV Development Center in Azerbaijan**.

MyGov, established by the “E-GOV Development Center” under the SAPSSI, is a personal e-cabinet that provides interactive citizen-centered services. This system connects citizens, government, and business entities on a single platform based on a predictive government concept. Citizens get acquainted with the information provided by government agencies in their personal cabinets at the "myGov" portal (www.my.gov.az), apply to the e-services, obtain e-references and other documents, verify the accuracy of the information, and regulate the data transmission process to other entities. The portal aims to provide a transition from reactive to proactive e-government, facilitate the life of citizens through the provision of e-services, transparency, and efficiency. Functions of the portal are 1) obtaining personal information (financial, educational, etc.) by the citizens, 2) informing and reminding notifications (i.e. the need for renewing passports, driving licenses, or citizen's data), 3) transmission of data to a third party only after approval of a citizen, 4) access of citizens to appeal to institutions, and 5) the use of e-services provided by government agencies. Even though the myGov portal is operating in beta, during this period, more than 441,364 users logged in exceeding 12,628,492 times and used the 710 different e-services provided on the portal.

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

The project is relevant to **SDG9**.

"Citizens' Electronic Appeals" system

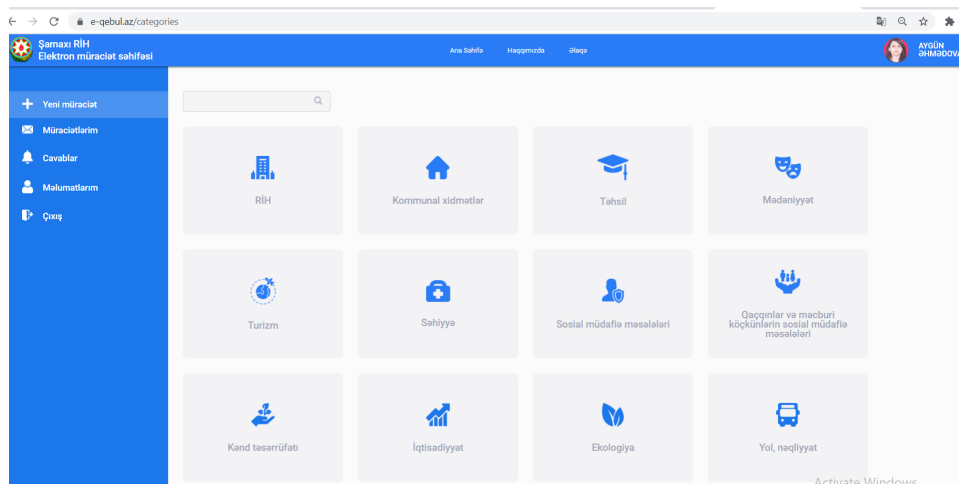
<https://e-qebul.az/>

The project is under **Data Processing Center (DPC) of the Ministry of Transport, Communications and High Technologies of the Republic of Azerbaijan** in Azerbaijan.

The project has been implemented in Shamakhi region of the Republic of Azerbaijan. The population of Shamakhi region is about 10% of the country's population. The e-appeals system provides citizens living in the area with online applications, complaints, and suggestions without going to various local government agencies. The purpose of the project is to ensure the transition to digitization in the country and at the same time to minimize physical contact with government agencies in a pandemic. In addition to reducing the number of contacts, it also reduced the time of consideration of appeals. Applications previously considered for 15 days are now considered for 7 days.

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

The project is relevant to **SDG8, SDG9, SDG10, SDG11, SDG17**.



Unified Public Transport Payment System

<https://inkart.az/>

The project is under **Data Processing Center (DPC) of the Ministry of Transport, Communications and High Technologies of the Republic of Azerbaijan**, in **Azerbaijan**. The project has been implemented in the Shamakhi region of the Republic of Azerbaijan. The population of the Shamakhi region is about 10% of the country's population. The project allows passengers to use any bank cards and a “Prepaid” card to pay the transport fare. The buses are provided with special NFC (Validator Velitek) devices. “Prepaid bank” cards were introduced to replace the bank cards. This card can be obtained in the branches and departments of two banks (Azer-Turk Bank OSC, Azerpost LLC), as well as, in devices (Vendomart) installed in different parts of the city. Besides as the transport card, also used as payment cards where electronic cards are used. Also, have the opportunity to receive information about tourist facilities. In addition, eliminates queues for obtaining cards or increasing customer accounts during the pandemic, minimizing contact, and providing comfort. The system provides discounts through cards for persons belonging to special social groups (disabled people, pensioners, martyrs` families, etc.). The project also for agencies responsible for passenger transport to track transactions in real-time and receive reports. The project contributes to WSIS Action Lines: **1, 2, 4, 6, GOV, BUS**. The project is relevant to **SDG9, SDG10, SDG11**.



Single Data Base of the producers of the Azerbaijan Republic

<https://azexport.az/>

The project is under **Azexport.az** in **Azerbaijan**.

Azexport.az was created according to the order "On creation of a unified database of goods produced in Azerbaijan Republic". Mission of Azexport.az, is to provide information about products of Azerbaijani origin and becoming the beneficial platform for their sales on foreign and domestic e-Commerce platforms. During the coronavirus lockdowns, the portal became a free online platform not only for exporters also for local producers. Due to the coronavirus restrictions, most businesses have closed. The portal gave them the opportunity to place their goods on an electronic platform for sale. There is no charge for using the portal services. All services are free. As a result of the successful activity of the portal, the representation of SME in international e-trading platforms has increased more than 100 times, and the representation of domestic products on international e-trading platforms has increased more than 500 times. At first glance, portal has been established as e-commerce platform, but now the portal is transforming to the center of national exporters of Azerbaijan. Implementing first in the world Single exporter application cut the expenses and time spent for export procedures up to 10 times. Also, Azexport according to Presidential decree earlier this year start issuing Free sale certificate. Portal completed within one circle all process - finds buyers for national entrepreneurs in foreign markets, provides consultancy services for export procedures and complete customs clearance upon single application. More than 10,000 quotation requests and orders from 150 countries has been placed in the portal since January 2017 around the world. Requests from non-

traditional export countries such as Indonesia, Philippines, Dominican Republic, Macedonia, Japan, Korea, etc., has been received. Same time we are increased export to traditional markets like such as Russia, Ukraine, Georgia, Turkey etc. In total, 2 billion US dollars export orders have been received by the portal, from the world's largest countries

The project contributes to WSIS Action Lines: **1, 2, 4, GOV, BUS, LEA, EMP, AGR, 11.**

The project is relevant to **SDG8.**

Digital Trade Hub of Azerbaijan

<https://dth.az/>

The project is under **Center for Analysis of Economic Reforms and Communication** in **Azerbaijan.**

The Digital Trade Hub is an electronic Public-Private Partnership platform established with the goal of further developing an infrastructural base of e-commerce in the country and strengthening the position of Azerbaijan as a digital trade hub in the region. We have cooperation with both government and public sector. This helps us to give the opportunity to non-residence to get a much more wide amount of services. Our services: e-Residency & m-Residency e- company e-banking e-wallet e-document and so on By getting electronic or m-residency non residents could establish their e-company in Azerbaijan

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

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



Electronic Interagency Document Management System

<https://nces.by/service/smdo/>

The project is under **Republican Unitary Enterprise “National Center for Electronic Services”** in **Belarus.**

Establishment of the Electronic Interagency Document Management System(hereinafter referred to as the “EIDMS”) was carried out with a view to: promote informational interaction between State

bodies of the Republic of Belarus, Business and Citizen; improve promptness of managerial decisions' making; shift from hard-copy paperwork to electronic document management. At present about 14,000 Belarusian organizations and agencies are working in the EIDMS and conveniently and promptly exchanging electronic documents. Among them are all Ministries and agencies, including those subordinated (reporting) to the President of the Republic of Belarus, establishments of education and health care, culture and sports, real economy and social sphere. An approximate number of documents transmitted via the EIDMS constitutes 1 000,000 per month. The project contributes to WSIS Action Lines: **2, GOV, BUS, ENV**. The project is relevant to **SDG9**.

AgroRuqsat

<https://ruqsat.qoldau.kz/ru/information>

The project is under **"Information and Account Centre"** in **Kazakhstan**.

Coronavirus showed how important the agricultural sector is for the economy, especially for the food security of countries. During the quarantine outbreak in Kazakhstan, a state of emergency was declared and the government decided to prohibit movement across the borders of all villages, districts and regions. Farmers, whose farm fields can be located in several districts and even regions, encountered difficulties in sowing and field work due to difficulties in obtaining paper passes, which put Kazakhstan's food security at risk. Therefore, it was necessary to implement the solution as quickly as possible so that the sowing took place at the right time. AgroRuqsat is a free online service designed to address the issues of providing transportation permits for farmers and their suppliers in quarantine zones by remotely receiving applications for electronic passes, processing these applications, and maintaining a register of electronic passes. To obtain an electronic pass, you do not need to physically contact government agencies, fill out a lot of papers and collect stamps. The pass is free and valid for the entire period of emergency and quarantine. Within a few minutes to one business day, the applicant receives an electronic document granting the right to cross the roadblocks to proceed to their land plots. The transparency of the service helped solve the problem with fake passes and minimize the risks of the spread of the virus. Data is automatically uploaded to the "Sergek" system installed at checkpoints and made available to all police officers. In addition, upon receipt of a pass, an automatic check is carried out on state databases, which excludes the receipt of passes by those who are not involved in spring field work and ensures compliance with quarantine measures.

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

The project is relevant to **SDG2, SDG8**.

E-SUBSIDIES IN AGRICULTURE

<https://subsidies.qoldau.kz/en/subsidies/startpage/startpage>

The project is under **Ministry of Agriculture of the Republic of Kazakhstan** in **Kazakhstan**.

Mission and main objective: Sustainable development of agriculture and rural territories through the formation of an accessible and multi-service digital ecosystem. E- SUBSIDIES as part of ICT and digital solutions in e-agriculture used by society as innovative ways to boost the agricultural sector, foster sustainable agriculture and drive socio-economic development, while also contribute to most

pressing challenges – such as climate change, drought and desertification with influence to the SDGs. E-SUBSIDIES - electronic submission of applications for subsidies, their processing and payment. The project is unique, as it helped to reduce user costs for documenting processes, increase comfort in obtaining government support and transparency of all internal processes. This became possible due to the active use of geographic information services and crowdsourcing opportunities. The project contributes to WSIS Action Lines: **GOV**. The project is relevant to **SDG2, SDG9, SDG12, SDG13**.

My Moscow Mobile App

<https://www.mos.ru/mobile/>

The project is under **"JS-Company "Electronic Moscow in Russian Federation**.

My Moscow is an official App of the Moscow Mayor official website, allowing the citizens to: • use the most in-demand city services: by using this app, Muscovites get access to a number of services, ranging from booking a doctor's appointment to paying bills to checking when their child arrived at school in just a couple of clicks; • learn the latest breaking city news; • promptly get information from the Citywide Contact Center agents. The app makes receiving services much easier; the entire process is now time-saving. For example, a few years ago, a person did not find out about a fine imposed on them till they received a notice in the mailbox—and even then, they could only pay it through the bank. Nowadays, all they have to do to pay a fine is to receive a push notification and then make an instant payment, so it now only takes a few minutes. Due to app being convenient, user-friendly and available for any mobile phone, it is considered an indispensable daily assistant for many citizens, as evidenced by the increase in the number of installations. More than 2 million people have downloaded the App since its launch. The My Moscow App is available on iOS, Android, and Huawei AppGallery. Nowadays, a modern Muscovite cannot imagine their life without a mobile phone access to services, latest news to do with Moscow or resolution of technical issues arising while receiving public services anytime anywhere. The application provides a vital support for disabled citizens, freeing them from unnecessary visits to public institutions.

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

The project is relevant to **SDG3, SDG4, SDG9, SDG10, SDG11**.

The “Public Services of Moscow” mobile app

<https://www.mos.ru/mosapps/>

The project is under **JS-Company "Electronic Moscow" in Russian Federation**.

The “Public Services of Moscow” mobile app is an official app of the Government of Moscow that allows the citizens to use the most popular and demanded mobile · Education · Housing · Information · Transport · Social · Payments Objectives: · To increase accessibility of public services in digital form · To increase efficiency and quality of using mobile services by the Government of Moscow · To ensure a unified channel for user access to various services by the Government of Moscow in the framework of unified mobile “city-citizen-city” communication network.

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

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

The Social Navigator

<https://dszn.ru/navigator>

The project is under **Moscow Department of Labour and Social Protection of Population in Russian Federation.**

The interactive "Social Navigator" map of services available on the website of the Moscow Department of Labor and Social Protection was launched in June of 2019 and has become a popular online service. It has already been accessed by 835 thousand users since its launch. The service helps users to find the social service for various life situations in a few clicks- ranging from free psychological and legal assistance to job search and disabled children rehabilitation. The service provides about 140 services in 22 categories at more than 650 addresses in Moscow. These are services provided not only by the city, but also by about 100 partner socially oriented non-commercial organizations, as well as several corporate projects of social responsibility of Moscow business. The most popular categories of social services that citizens searched for on the Social Navigator map in 2020 were "Job Search and Training" (19.3% of all requests), "Social Service Centers" (9.1%), and "Assistance to families with disabled children" (7.5%). The categories of "Legal assistance" (7.2%), "Assistance in a crisis situation" (6.6%) and "Psychological assistance" (5.8%) are also in demand among users. On the "map of good deeds" users can find projects of non-commercial organizations that help different resident categories.

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

The project is relevant to **SDG3, SDG4, SDG5, SDG8, SDG9, SDG11.**



Moscow Mayor Official Website Mos.ru

<https://www.mos.ru/en/>

The project is under **The Department of Information Technologies of Moscow in Russian Federation.**

The official website of the Mayor of Moscow mos.ru is a modern digital platform that allows residents and business to receive about 370 services in digital form. This is an information space where city services, latest news and event announcements, detailed instructions and contacts of authorities are collected. Opportunities for giving a feedback on urban projects and interaction with the technical support service have also been implemented on mos.ru. By using the services on the mos.ru portal, citizens can resolve almost any problem online, without leaving their homes and without contacting the authorities in person. To save time and effort, the most popular services and services are available in the "Public Services of Moscow" and "My Moscow" mobile Apps, so that users can check their child's electronic school diary on the go, pay fines in one click or make an appointment with a doctor. The portal allows enterprises to create a corporate account giving managers and authorised employees an opportunity to find and access all necessary services.

The project contributes to WSIS Action Lines: **2, 6, GOV, 9.**

The project is relevant to **SDG3, SDG4, SDG6, SDG8, SDG9, SDG10, SDG11, SDG12, SDG16.**

Citizen Video Reception Service

<https://www.mos.ru/feedback/personal-reception/>

The project is under **Government Agency "Infogorod" in Russian Federation.**

General information: the requirement to organize the reception of citizens is defined by law. The citizen reception in state institutions, local government institutions is carried out by their heads and authorized persons. There is a schedule for citizen reception (usually, once a week). Goal: to restore citizen - authorities interaction in new circumstances. The reception of citizens has been suspended as part of the restrictive measures to counter the spread of COVID-19. Representatives of departments are trained on the specifics of online reception of citizens in the process of connection to the service. Features provided by the service: • Online registration form on mos.ru • Service for registration and processing of applications for reception of citizens designed for departments • Video conferencing service Key citizen advantages: The opportunity to resolve issues without visiting the authority and spending time. Reducing the risk of COVID-19 spread. Key departments advantages: The opportunity to resolve issues, as well as online involvement of employees of responsible services during consultations. Growth of loyalty of citizens. Reducing the risks of COVID-19 spread.

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

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



The Digital Ecosystem of Moscow

<https://www.mos.ru/>

The project is under **The Moscow Department of Information Technologies in Russian Federation.**

The Digital Ecosystem of Moscow consists of more than 10 thematic online resources and over 380 public services available in digital form. They help citizens and guests of Moscow solve almost any everyday issue online: from paying utility bills to participating in voting on the city development issues. The core of the Ecosystem is the Moscow Mayor Official Website mos.ru. Here users can manage their account, access digital services, get city news and redirect to other resources.

The digital ecosystem transformed Moscow into a “city-service” focused on citizens. The City-as-a-Service concept forms the base for the development of the Digital Ecosystem of Moscow. As one of the smart cities Moscow has a mission to develop a new standard for the quality of city environment while developing the Digital Ecosystem, make it easy for citizens to solve issues. Several years ago, applying for city services required hours spent on preparing documents, calling specialists, and queuing. Now almost any question can be resolved online.

The city Services of Moscow turned 10 years old in 2021. More than 14.4 million people use the opportunities provided by the City Digital Ecosystem. The mos.ru Services have been used 2.2 billion times since the launch. By developing the city’s digital infrastructure, Moscow contributes to the development of ICT sector in Russia. The city motivates citizens to use digital opportunities more actively and choose online tools for everyday tasks and communication with the authorities by providing a wide range of online services for any situation. Today, Moscow citizens are among the most advanced users in the world. More than 91% of Muscovites use the Internet, 72% of them regularly access various digital services.

The project contributes to WSIS Action Lines: **1, GOV, BUS, LEA, HEA, EMP, 9**

The project is relevant to **SDG3, SDG4, SDG6, SDG8, SDG9, SDG10, SDG11, SDG16**



AL C7. E-business

"SmartCell" mobile application

<https://rabita.az/az/index>

The project is under **Data Processing Center (DPC) of the Ministry of Transport, Communications and High Technologies of the Republic of Azerbaijan, in Azerbaijan.**

Mobile application combines facial recognition (Face ID) and electronic signature. It allows to identify the real-time image of the customer with the image on the ID card, to sign the subscription agreement with an electronic signature. It's possible to track the whole process electronically during the sale of numbers. The process of selling a number with the SmartCell mobile application is as follows: 1. The MRZ code of the customer's ID card is read to get the number; 2. a person's ID is formed by automatically calling personal data; 3. A one-time electronic signature of an individual is drawn up for signing the contract; 4. The client takes a picture with the camera and this picture is identified with the picture on the ID card; 5. a contract is formed after the successful identification; 6. The person signs the purchase agreement. The mobile number is picked up from sales centers or delivered to the customer by courier.

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

The project is relevant to **SDG8, SDG9, SDG10, SDG11, SDG17.**

Hosting Call center – virtual automatic telephone station (VPBX)

<https://moscow.rt.ru/b2b/telephony/vats>

The project is under **PJSC Rostelecom Private Sector in Russian Federation.**

"Due to the current pandemics, a lot of medical organization decided to promptly set-up hotlines to provide support to the public in connection with issuing illness certificates. Rostelecom has been

deploying call-centers on short notice on the basis of the Virtual Telephone Exchange service (VPBX) with allocation of a nationwide phone number, enabling millions of people to make free phone calls at the allocated number and ask questions of interest to them. Also, under the quarantine, demand for home delivery of goods and food products has been experiencing dramatic growth rates. For instance, in Kaliningrad region Rostelecom has helped two large companies to arrange promptly an over-the-phone ordering, order handling and distribution process using call-center facilities. Having in place a high-tech cloud-based solution, the companies are now able to handle much higher order volumes. In order to offer support to small and medium businesses against the backdrop of fighting the COVID-19 infections, Rostelecom has launched a Home Office service based on the Virtual PBX solution. The new offering will enable entrepreneurs to maintain efficient channels of communications with employees, customers and partners, while staying at home. Virtual PBX service makes it unnecessary for its customer to buy and maintain any networking equipment, because such equipment is deployed in the provider server, while subscribers are connected via the cloud. Additionally, Rostelecom offers its customers an opportunity to implement any scale of telephone service ranging from small start-ups to large nationwide companies, featuring a broad selection of extra options, like call monitoring, call recording, etc. Customers, owning Virtual PBXs are able to independently manage their telephone networks using the private cabinet capabilities and make settings of their networks to meet their business needs."

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

The project is relevant to **SDG2, SDG3, SDG8, SDG9, SDG10, SDG11**.



Investment Portal of the City of Moscow

<https://en.investmoscow.ru/>

The project is under **JS-Company "Electronic Moscow"** in **Russian Federation**.

In order to develop the investment environment of the city of Moscow, the Government of Moscow launched the official portal [investmoscow.ru](https://en.investmoscow.ru/), which has become part of the digital ecosystem of interaction between the city and business in the G2B segment. It provides 29 online services for investors and facilitates the support for investment. The portal is an investor's online office: all updates on the Portal are determined by digital trends, they simplify business and implementation of investment projects. The digital services help to:

- get the insights about investment projects, city auctions, learn about the measures to implement the investment projects in Moscow;
- participate in investment projects;
- apply online for municipal financial consulting and organizational support;
- effectively communicate with the municipal authorities

The portal is an investor's online

office. It provides online services and latest news and analytics. Services on the Portal are classified as follows: Projects. The services for investors and entrepreneurs giving an opportunity to apply for choosing sites for localization and to submit their investment initiatives online · · City Auctions is an opportunity to get informed about city's property, consult and apply online for object viewing · Support measures is a possibility to apply online for subsidies and other support measurers. · Direct communication. Services designed for resolving of all questions arising in the investment and entrepreneurship processes. · Information Services are for informing all the interested persons on the wide range of topics related to conducting economic activities.

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

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

Automated Information System "Supplier Portal"

<https://zakupki.mos.ru/en>

The project is under **The Department of Information Technologies of Moscow in Russian Federation**.

Supplier Portal is the Government of Moscow resource for conducting online transactions between government customers and suppliers representing of small and medium - sized enterprises, increasing the transparency of contractual relations. Registration and participation in online transactions is free. The resource uses three main methods of procurement: 1. Electronic store. Small and medium-sized enterprises publish price lists for goods, works or services, and government customers choose reliable partners offering best price or terms of delivery. 2. Mini-auction. The customer places a list of required specifications, suppliers place bids, and the winner is selected automatically by the lowest price of the last offer. 3. Collecting offers. The customer places a list of specifications, suppliers provide price lists, and the customer determines the winner offering best terms. Following the results of the procurement, there is the electronic document flow, including the contract in electronic form concluded using a digital signature. There is a catalogue of goods, works, and services containing more than 1 million items formed on the basis of the suppliers' price lists. An open integration gateway ensuring the connection of information systems of the regions of Russia and state information systems regulating transactions of state institutions has been developed.

The project contributes to WSIS Action Lines: **1, 2, GOV, BUS, 11**.

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

STAMPSDAQ.POST - Global Postal Blockchain for Crypto Philately

<https://www.stampsdaq.post>

The project is under **STAMPSDAQ LLC in Ukraine**.

STAMPSDAQ.POST is a dedicated blockchain platform, designed specifically for Crypto Philately to secure maximum users' engagement and satisfaction, global marketing advantages, cost-efficient operations and maximum market liquidity and profitability by bringing gradually all already existing stamp motifs/designs of the whole 180 years of philatelic history onto a United Postal Blockchain marketplace. Additionally, the Posts can issue crypto-only stamps. Crypto stamps can also be used to pay for postage service if the Post decides so and local legislation allows. Technically, STAMPSDAQ.POST Blockchain will be built as a Layer 2 solution on top of the Ethereum

blockchain's mainnet as today, 95% of crypto collectibles are being issued and traded on Ethereum blockchain. It is financially and technologically not feasible to issue crypto stamps directly on Ethereum's mainnet due to its scaling limitations resulting in slow transaction validation and high transaction fees for the users. Going with Layer 2 Ethereum solution will enable STAMPSDAQ.POST to realize faster execution of transactions, low transaction fees and tailored blockchain philately smart contracts, yet remaining connected to the biggest global blockchain environment for digital collectibles today.

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

The project is relevant to **SDG9.**

AgriFinance

<https://www.agrifinance.io/2>

The project is under **LLC "Grafit Group" in Ukraine.**

Agrifinance – is a digital platform which allows interacting with farmers in the process of forwarding financing: - It allows investors to simplify and expedite the scoring process of farmers' credibility; - Farmers can easily and fast get financing using crop receipts on competitive market conditions; - Creating a new modern approach to financing farmers and its execution. The service became possible and high in demand because of several reasons: - High demand for financing caused by long production term and opening of the land market; - The slow and difficult process of existing financing programs; - Development of crop receipts what extremely raised total collateral value; - Opening access to Cadastral map of Ukraine and the real estate register allowed to make the process of estimation computerized; - Development of digital partners like cloud calculations and satellite services. How it works: The platform which attracts new farmers, scores them using own algorithms, provides analysis to the creditor and monitors borrower's status. A new approach to relationships between farmer and investor, fast and computerized scoring brings to Agrifinance a wide range of competitive advantages: - The average duration of request consideration will decrease from 14 to 2 days; - The subject of collateral will be the future harvest but not the farmers' assets which cause huge growth of credit market; - 24/7 customer support and partnership approach.

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

The project is relevant to **SDG8.**

Retail Queue Management Solution

<http://earlyone.com/earlyone-retail-queue-management/>

The project is under **Earlyone in Armenia.**

Earlyone has released a new solution to battle the outcomes of the coronavirus outbreak. Besides, Earlyone has improved the existing solution by offering a new feature to its users - QR check-in that allows contactless activation of virtual tickets created with Earlyone app. Earlyone's primary beneficiaries are those institutions that have a limit on the capacity of customers that their premises can sustain at a certain time period. The solution will help those institutions to - Control entry to premises to limit the number of customers allowed in - Limit opportunities for COVID-19 to spread

by eliminating crowding outside - Minimise waiting time of shoppers by scheduling their entry time beforehand.

The solution will help those institutions to - Control entry to premises to limit the number of customers allowed in - Limit opportunities for COVID-19 to spread by eliminating crowding outside - Minimise waiting time of shoppers by scheduling their entry time beforehand. This project can be replicated to meet the needs of an institution that has unusual type of customer flows. This needs to be discussed.

The project contributes to WSIS Action Lines: **2, BUS**

The project is relevant to **SDG3**

AL C7. E-learning

The First International CyberSchool of the future for the new IT-generation KIBERone
<https://kiber-one.com/>

The project is under **LLC «System» in Russian Federation.**

"Due to the spread of COVID-19: 1. We have converted the training into an online format; 2. We have developed a support program for parents of our students so that they can be closer to each other and spend more time together"

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

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

Moscow Electronic School

<https://www.mos.ru/city/projects/mesh/>

The project is under **The Department of Information Technologies of Moscow in Russian Federation.**

MES is a project for teachers, children, parents, creating the high-technology education environment in Moscow schools using “all-in-one” principle: the entire educational cycle is established on one digital platform. MES also helps disabled children become an active part of school community. MES is 2.7 million users - 57.5 thousand teachers, 1.1 million students and 1.6 million parents. 1 469 buildings are equipped with MES infrastructure. Moscow Department of Labour and Social Protection organisations educating disabled children are equipped with specialized infrastructure. The MES library of educational materials, with more than 1 million items of content, can be accessed worldwide free starting from 2019. It is used by more than 300 thousand unique users weekly. MES ensured education process for all Moscow students and was the main platform for distance learning during COVID-19 pandemic: · More than 7.5 million online classes for grades 6-11, which is 95% of all classes. 600000 students and teachers joined online classes in MES every day · 3 million inquiries were processed on a daily basis · 510000 consultations on organizing distance learning were held for teachers · Teachers of 65+ age group worked using MES videoconferencing · Information service

deployed to process COVID-19 registers notifications allowing to transfer information on student infection cases to schools.

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

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

Data Lesson

<https://datalesson.ru/>

The project is under **Data Economy Russia** in **Russian Federation**.

"Data Lesson" is a non-profit educational project for schoolchildren, organized jointly by the leading companies of the Russian digital economy with support of the public sector. The project is the result of the mutual desire of the public and private sector to spread the knowledge of digital technologies among the young generation. "Data Lesson" is aimed at early career guidance for students in the world of digital economy and development of their digital literacy and computer competencies. By experiencing "Data Lesson" the schoolchildren will have a chance to learn new skill in the field of artificial intelligence, cybersecurity, big data, cloud computing, internet of things, etc. "Data Lesson" is organized every school year since 2018 and has been covering all 85 regions of the Russian Federation and more than 100 countries abroad. The third edition of "Data Lesson" started in 2020 and has resulted in more than 30 millions times the digital lessons have been completed by the schoolchildren all over the world since the start of the project.

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

The project is relevant to **SDG4**.

The Virtual Laboratories of Moscow Electronic School

<https://school.mos.ru/help/stats/virtuallaboratories>

The project is under **The Government of Moscow** in **Russian Federation**.

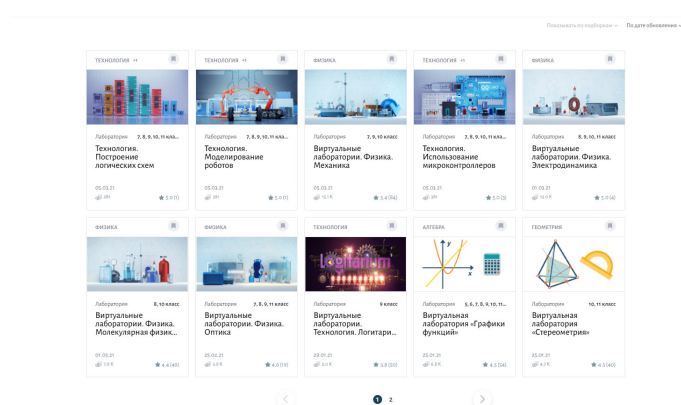
The main goal of the Virtual Laboratories in the MES Library is deeper involvement of schoolchildren in the educational process, interest in science, adapting children to the demands of the modern digital world. The Virtual Laboratories are the interactive online simulators of experiments that help improve skills, gain knowledge, self-prepare for exams, including the Basic State Examination and the Unified State Examination (the State Final Exams), regardless of the place – home or school. The labs also help schoolchildren acquire the knowledge and skills they need to choose their future profession and allow teachers to apply an individual approach and blended learning for children of different levels of training. Exciting virtual tournaments for high school students are also held on the basis of Virtual Laboratories. In the traditional educational process in real laboratory work, it is quite difficult for a child to independently conduct full-fledged experiments and experiments (physical, chemical, etc.). The school may lack the necessary equipment and materials for all students, there are also safety restrictions, etc. The concept of Virtual Laboratories easily solves these problems. The child works online freely (the “sandbox” concept) in a physical, chemical, or robotic Virtual Laboratory: tests hypotheses, experiments, explores, confirms the reality of physical or chemical laws. Students can create and save their own objects, experiment, and share the results with friends. To date, Virtual Laboratories are available to more than 2.8 users of the MES Platform. The MES Library has

30 virtual laboratories on the subjects: physics, mathematics, biology, technology, computer science, and drawing. The total number of their launches has already exceeded 500 thousand, and there are more than 40 thousand users.

One of the most important elements of the MES concept is to provide equal opportunities for the education of children with special needs. They can fully participate in the educational process thanks to virtual laboratories: in experiments, creativity, self-preparation for passing exams, and mastering selected subject areas. Also, the most important course of the MES is the introduction of a personalized approach in education, which allows identifying the abilities and talents of each student for their further development. More than 2.8 million users (schoolchildren, teachers, parents) have access to virtual laboratories. The number of unique users of the virtual laboratories of the MES Library is more than 40 thousand students and teachers. And the number of calls to virtual laboratories is more than 570 thousand times.

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

The project is relevant to **SDG4**



One Million Uzbek Coders

<https://uzbekcoders.uz/>

The project is under **IT Park Uzbekistan** in **Uzbekistan**.

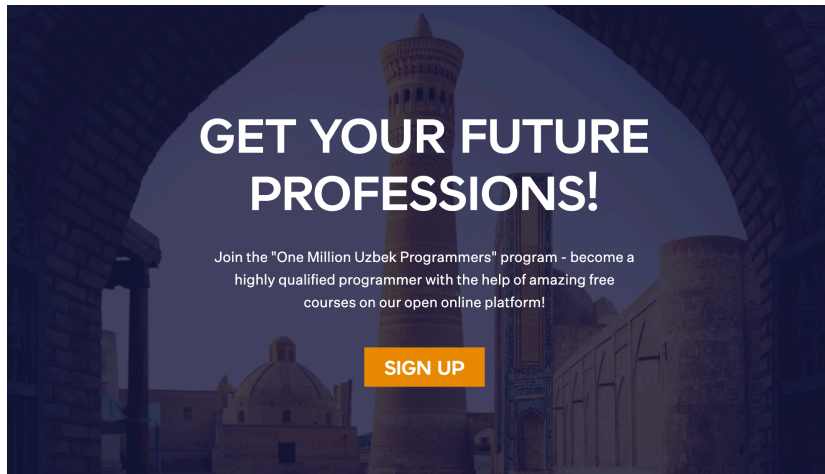
The One Million Uzbek Programmers project was launched in November 2019 jointly with the United Arab Emirates in order to involve the youth of Uzbekistan in the field of information technology. Our project provides the necessary knowledge to start your journey in the IT world. We teach in four areas: Data Analytics, Android Development, Full Stack Development and Front End Development. After completing the course, a graduate of our project can apply for a Nanodegree grant, where he will study in depth in the above areas. Training takes place online, in the form of video lessons and practical exercises after them. The course is designed for 3 months and is suitable even for people with different types of disabilities. At the moment, the number of registrants is more than 2 million, and the number of graduates is more than 1 million people. Our project is not going to stop there, we develop and improve ourselves every year, and our ultimate goal is to interest as many of the population of Uzbekistan as possible in the field of ICT. But the real achievements of the project can

be considered that we help many people to become full-fledged specialists in this field without higher education or if you have a disability.

Our platform helps people who could not enter the university and live in not the best conditions. After completing the courses, many graduates began to receive good salaries working in IT companies or freelancing, so they can help their family and it should be taken into account that many of them are still in school. They also motivate other people by their example.

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

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



AL C7. E-health

PVision

<http://www.pvision-mtuci.ru>

The project is under **Moscow Technical University of Communication & Informatics in Russian Federation**.

Nowadays one of the most important aspects of our life has become personal protective equipment, mostly medical masks, because they help us to prevent spread of viral infections. Our project allows us to automatize process of mask mode control. Also, as a feature, PVision system provides the possibility of contactless temperature measuring. Our system can form mask mode violation reporting in a real time. Another feature of our system is collecting statistics and sending short daily report, that includes amount of people entered, number of people without masks and percentage of violations.

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

The project is relevant to **SDG3**.

Smart Assistant for Medical Professionals

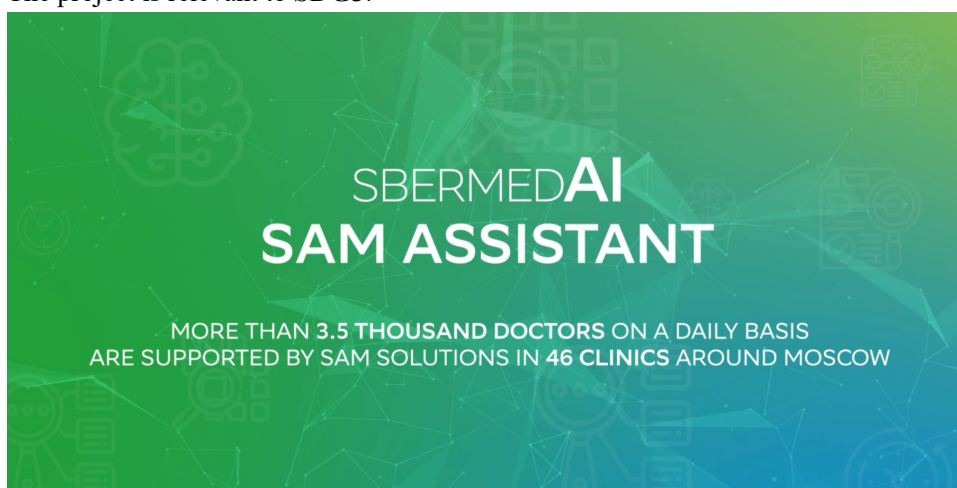
<https://top3.sbermed.ai/>

The project is under **THE LIMITED LIABILITY COMPANY "SBERMEDAI" in Russian Federation.**

During a patient's visit, the clinician inputs a text description of complaints and/or anamnesis of the patient. A Mathematical model, based on neural networks, analyses the input data and as output provides the 3 most likely diagnoses according to the ICD-10 list. The system does not limit the doctor's choice: the doctor can accept the recommendation of the system, or can make his judgement on the diagnosis. SAM was tested during pilots in 4 regions of Russia with a total population of 20 million inhabitants. Today, more than 3.5 thousand doctors from 46 polyclinics (outpatient healthcare) work with SAM every day in Moscow, and more than 2,505,344 patients were tested with SAM in October-December 2020. The model is continuously trained on real data – as of early January 2021, more than 1.9 million visits were processed. In 70% of cases, the doctor's choice has coincided with the model's suggestion. <https://www.youtube.com/watch?v=RIBB8JT3oqM>

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

The project is relevant to **SDG3**.



COVID-19 registry

<https://covid.rt-eu.ru/>

The project is under **COVID-19 registry in Russian Federation.**

National database of COVID-19 cases. The database contains information about sick people, prescribed treatment, vaccination, region of residence, and medical organization. It is intended for professional use, by health authorities, and for statistical purposes. Updated 24/7. Attention!!! This is a demo version. Artificially generated personal data. All matches are random. <https://covid.rt-eu.ru/> - COVID-19 - cases database; <https://vaccine.rt-eu.ru/> - vaccinated database LOGIN: 974-350-922 39 PASSWORD: 97435092239

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

The project is relevant to **SDG3**.

The Unified Medical Information Analysis System

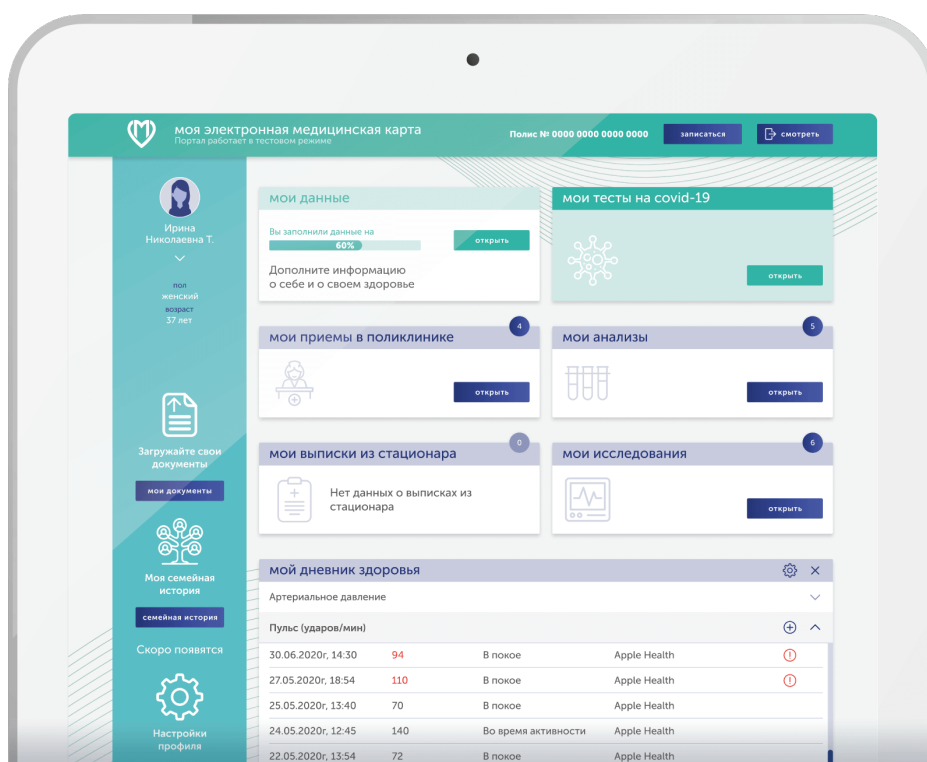
<https://emias.info/>

The project is under **The Department of Information Technologies of Moscow in Russian Federation**.

Moscow forms a unified information space in healthcare covering all public healthcare institutions. Information services of the Unified medical information analysis system (EMIAS/UMIAS) developed by the Moscow Department of Information Technology and the Department of Healthcare are the main elements of this information space. The mission of the system is to provide free access to high-quality and convenient health services for the citizens, to free healthcare professionals from paperwork and give them an easy and convenient access to the information necessary for the medical care and provide healthcare management institutions and industry with reliable and operational tool for analysis and effective management of the healthcare system. Today, EMIAS is available in all outpatient clinics of Moscow (more than 600 medical organizations), ambulance and emergency care teams, and active work is underway to connect the Moscow hospitals. All these initiatives ensure effective patient-doctor interaction in terms of the continuity of information, the management apparatus and subordinate institutions. The latter have complete information for operational monitoring and control of healthcare in Moscow, situational analysis of emerging problems and making effective management decisions to eliminate them with the help of the analytical capabilities of EMIAS.

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

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



COVID Symptoms Tracker with Data Sharing

<http://covid.openhealth.cc>

The project is under **Open Health Network in United States of America**.

We released Free covid.openhealth.cc in English, Spanish, Chinese, French & Russian to enable people to track their symptoms, share with physicians before and after telehealth and in person appointments, find covid testing center nearby, manage medications, donate plasma and more.

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

The project is relevant to **SDG3**.

The “EMIAS.INFO” Mobile App – The Digital Service for Accessing the Electronic Health Card and Making Medical Appointments

<https://emias.info/>

The project is under **The Government of Moscow in Russian Federation**.

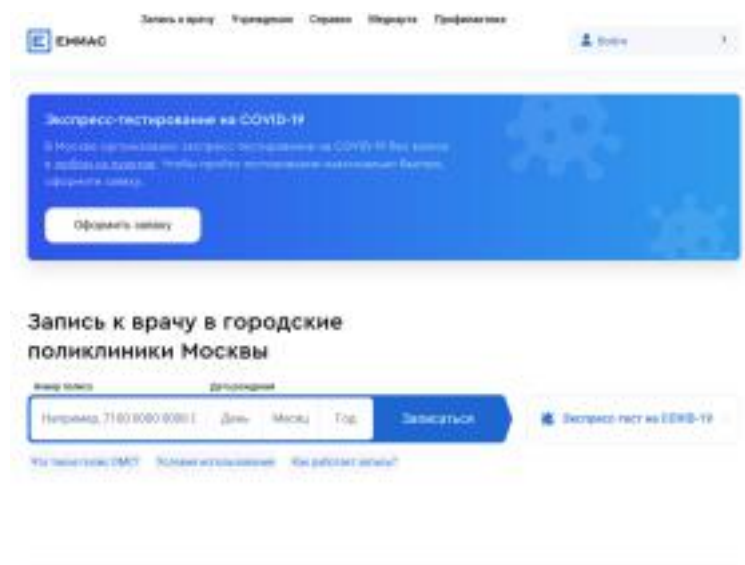
The "EMIAS.INFO" Mobile App is one of the most popular services of Moscow's Unified Digital Healthcare Platform. The App was launched in 2014, and now it is the most in-demand healthcare app in Russia. There are 4.3 million users and 2 million active users per month. The key task of the Mobile App is to provide citizens of Moscow with fast and convenient access to healthcare services at any time and place. During the pandemic, the App got new tasks. It acted as a tool to counter the spread of Covid-19: provided citizens with mobile access to their and their children's personal Health Cards and the possibility to view completed medical tests and other documents online. The App ensured online appointments for vaccination, COVID-19 testing, applying for express COVID-19 testing performed at one of the stations throughout Moscow, the opportunity to view and download a digital vaccination or past infection certificate with a unique QR code. These services are still in high demand. All new features have allowed to reduce the number of visits to the clinic and reduce the risk of infection. In the beginning, the App gave users an opportunity to independently book appointments with doctors. Today it is the most popular channel for booking an appointment in Moscow, registering 30% of the total number of appointments. In June 2020, users got access to their Health Cards containing a wide range of medical information about patients' health. Up to date, 1,8 million citizens use their Health Cards in the App – this is half of those who have access to their Health Cards.

The App allows users to view medical documents (the results of laboratory tests, examination protocols, etc.) in the Health Card, download and share them via e-mail, book appointments for prescribed procedures, view, cancel and reschedule appointments, etc. The "EMIAS.INFO" Mobile App is a modern ICT tool used in one of the fundamental social spheres – healthcare. The App is a digital service providing Moscow citizens with the opportunity to book appointments online and access Electronic Health Card containing information about patients' health. The "EMIAS.INFO" Mobile App is integrated with the medical appointment service, which ensures meeting the medical assistance accessibility standards (standard medical assistance waiting period at outpatient facilities), helps to manage patient flows for more efficient sharing of workload between the medical institutions' resources (doctors, equipment, doctor's offices) and helps to save citizen's time. This is how every

resident can get information about COVID-19 or the antibodies status using mobile devices. The "EMIAS.INFO" Mobile App allows to book an appointment for COVID-19 or antibodies test or to apply for an express test at one of the stations throughout Moscow. Since the mass vaccination campaign launch, Moscow residents have had an opportunity to book a COVID-19 vaccination appointment remotely. The "EMIAS.INFO" is one of Russia's most popular healthcare services – there are 4.3 million users (1.9 million Apple, 2.4 million Android), 2 million active users. Up to date, 1,8 million citizens use their Health Cards in the App – this is half of those who have access to their Health Cards.

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

The project is relevant to **SDG3**



AL C7. E-employment

The project is under **VimpelCom PJSC** in **Russian Federation**.

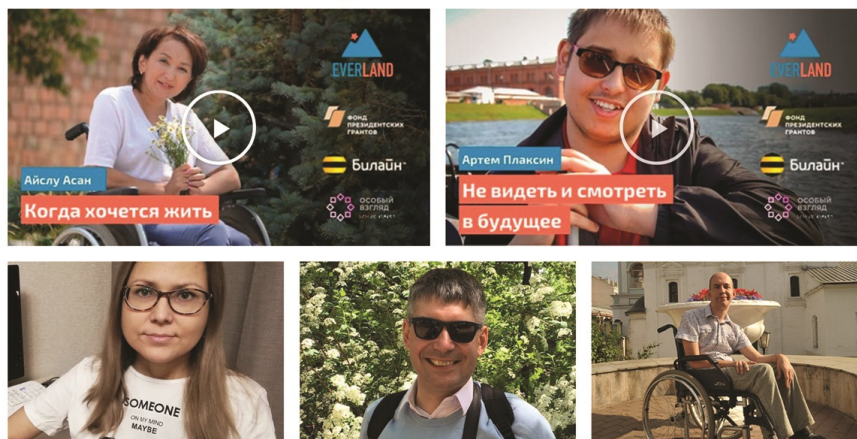
The platform consists of four main elements: testing and assessment of motivation, pumping-up professional skills, test tasks with mentor support and further employment. On the first stage, real professional level and communications specifics of the specialist with disabilities are determined through two levels of tests and interviews. A highly customized model to pump up skills is fully adjusted to the specific needs of the candidate with hearing, visual or motor disability. Further stages involve working on real-life tasks that come from private and corporate clients. On these stages the candidates form their portfolio and enter the open labour market. A distinctive feature of the platform is its consistent and coherent approach to the employment of specialists with disabilities: every phase is designed to develop and pump up both hard and soft skills needed to work in emerging digital professions. The platform determines real professional level and communications specifics of the specialist with disabilities through two levels of tests and interviews. The model to pump up skills is fully adjusted to the specific needs of the candidate with hearing, visual or motor disability. Various professions are presented on the platform including text and video content specialists, PR, graphic and

web designers, web-developers, lawyers. All these jobs are of high demand on the market and allow remote work.

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

The project is relevant to **SDG8, SDG10, SDG17.**

Мы уже в Everland!



“My Career” Specialized Employment Center

<https://mycareer.moscow/#/applicant>

The project is under **The Department of Information Technologies of Moscow in Russian Federation.**

"My Career" is a social opportunities online space, uniting Moscow citizens, socially responsible organizations and industry experts. The center provides a whole range of services to all residents of Moscow. Residents can get assistance in finding vacancies, advice from a career expert, and psychological support. Specialists will help create a resume, organize a job interview and tell how to prepare for it. Those who want to start their own business can also seek advice from the experts of the center. Specialists will help you navigate through all the stages - from choosing an idea to registering a company or self-employment, finding clients and investors. The center helps Moscow families with substandard income with customized assistance to give the chance to improve their lives. Participation in the project requires a minimum of documents. The center organizes free summer employment programs for youth in a new format. Young Moscow citizens get the access to online personal growth trainings, discover the most in-demand professions, participate in developing of a significant urban project and get their first work experience. A School of Social Volunteering has been established on the basis of the My Career Center. We practice a conscious approach to helping citizens in a difficult life situation.

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

The project is relevant to **SDG1, SDG4, SDG5, SDG8, SDG9, SDG11.**

Online quest on safe employment and trafficking prevention ‘Looking for a job? Try yourself!’

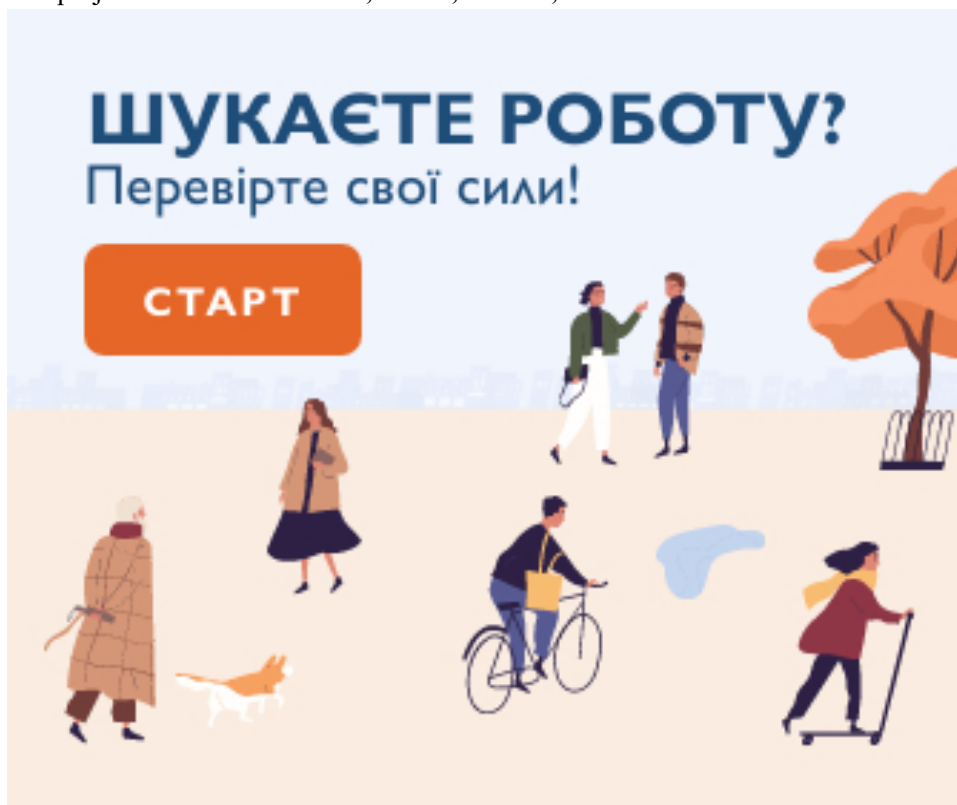
<https://quest.stoptrafficking.org/start>

The project is under **International Organization for Migration (IOM) Mission in Ukraine – the UN Migration Agency in Ukraine**.

As socioeconomic challenges and psychosocial distress caused by the COVID-19 pandemic make people more vulnerable to trafficking and exploitation, IOM Ukraine developed an innovative online quest to help Ukrainians be better informed about safe travel and employment, develop their critical thinking skills and identify risky situations. The 30-minute virtual adventure allows users check what could happen if they sign a contract without reading it, agree to take parcels from a stranger when flying abroad, hand their passport over to their employer, accept or reject a number of other risky offers during their journey. The quest is a multiple scenario game, reflecting key gender, age, and professional aspects. Upon its completion, the users get an analysis of their decisions made during the game and receive information about safe travel and employment rules. They are also referred to the IOM-supported Counter-Trafficking and Migrant Advice Hotline and relevant websites for further information. In October 2020-January 2021 over 16,000 Ukrainians have completed the quest, 85% of whom as a result could tell basic safe migration and employment rules. The quest is suggested as an interactive online tool for further use in targeted prevention work to replace offline activities not possible due to quarantine restrictions.

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

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



AL C7. E-environment

refillme

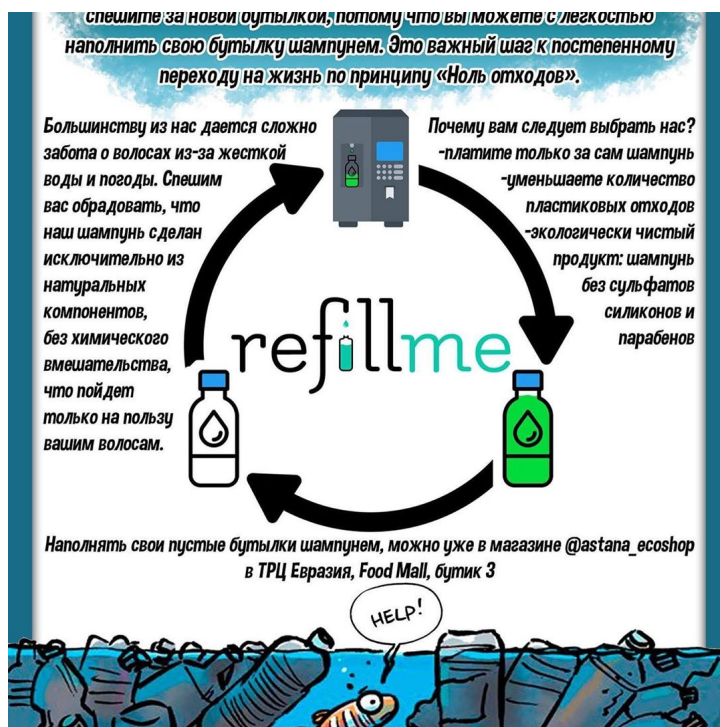
https://www.instagram.com/refillme_kz/

The project is under **refillme** in **Kazakhstan**.

The eco startup company refillme produces on-tap dispensers for selling household cleaning products such as dishwashing solutions, laundry detergents, and floor cleaner. The process at refillme is simple: we refill empty bottles with household liquids to decrease the plastic waste. In 6 months, we've prevented the production of 220 plastic bottles. refillme is promoting the growth of zero-waste households, and also the growth of the circular economy in Kazakhstan. According to United Nations statistics, 40% of plastic produced is packaging, which is used just once and then discarded. This issue of single-use plastics, and also the low rate of plastic-recycling overall, is causing the vast amount of plastic in landfills to end up in the oceans. By reducing the amount of plastic waste in landfills, refillme is preventing the creation of microplastics, which are tiny particles that enter water sources and threaten the health of animals and humans. For the refillme team, our most important achievement since we began 6 months ago is that we prevented the production of 220 plastic packaging. In turn, this saved 20,900 litres of water and reduced CO2 emissions by 18 kg. All of this also led to the reduction of usage of oil, electricity and landfill space. Although 220 bottles may not seem like a lot, the ripple effects of the reduction of waste are vast. We at refillme are so excited to make and continue even greater long-lasting positive impact. The most important factor, the refillme team consists of girls who are engineering students, and also me Economics student. By doing what we like, we would like to promote this idea: no matter what gender you are you can still make the world better.

The project contributes to WSIS Action Lines: ENV.

The project is relevant to SDG6, SDG9, SDG12, SDG14.



“Digital region”

<https://smart-region-rt.ru/>

The project is under **Public Joint Stock Company "Rostelecom"** in **Russian Federation**.

“Digital region” is an ecosystem of 20+ digital solutions, divided into three main product lines: “security”, “manageable city” and “comfortable urban environment”. Currently, we have implemented some 750+ digital products in 70+ regions of Russia. Safety solutions consist of intellectual video surveillance and establishment of emergency response centers, which predict incidents, process exhaustive information and respond to emergencies rapidly. Manageability solutions improve efficiency of urban services: from intelligent transport system and energy efficiency to ecology and waste management. Due to the COVID-19 pandemic, safe management of medical wastes is gaining special relevance. The platform includes information system that allows controlling all stages of medical waste processing and disposal. Comfortable urban environment is achieved among others through the implementation of multifunctional complex solutions such as smart bus stops, smart outdoor furniture, smart lighting, automatic public transport fare collection, etc. Results: • Emergency response time is reduced by 35%; • Predictability of emergencies is increased up to 90%; • Energy consumption is decreased by 3.5 billion kWh in 12 regions of Russia; • More than 250 thousand violations and emergencies were predicted and prevented. Impact: • Reduced number of incidents, casualties, etc.; • Improved energy consumption efficiency; • Optimization of transport system and traffic capacity increase; • Digitalisation of public urban services.

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

The project is relevant to **SDG3, SDG8, SDG9, SDG11, SDG12**.

The official web-site of Budgetary Environmental Protection Institution “Mosecomonitoring”

<https://mosecom.mos.ru/home-page/>

The project is under **JS-Company "Electronic Moscow"** in **Russian Federation**.

Official website of the Budgetary institution of the Moscow city Government “Mosecomonitoring” (mosecom.mos.ru) was upgraded and resumed functioning in March 2018 as the official source of data on air quality in Moscow. The data on 16 analyzed pollutants received from 54 automatic air pollution control stations located in Moscow is aggregated in real time in the Unified City Environmental Monitoring Database. For the convenience of users data are visualized as the interactive map. Mosecomonitoring publishes online: - Weather data from the Ostankino TV tower, the tallest building in Europe and Russia: wind speed, pressure, humidity, range of visibility, air temperature, - Information on weather conditions preventing the dispersion of pollutants in the atmosphere received from temperature profilers every 10 minutes in real time. Ecologists, public organisations, international community (for example ranking agencies) as well as Moscow citizens, interested in environmental issues are the main users of the site. The site has attracted attention - the average number of visitors of mosecom.mos.ru is 8 000 per month.

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

The project is relevant to **SDG9, SDG11, SDG13**.

Reduction of water consumption by the citizens of Moscow

<http://mos.ru/services/pokazaniya-vodi-i-tepla>

The project is under **The Department of Information Technologies of Moscow in Russian Federation**.

Since 2012, Muscovites have had an opportunity to transmit water and electricity meter readings online through service on the Moscow Mayor web-site Mos.ru, which monthly turn over is 1 million people. In 2021, the service will be significantly modified. Product-leads and programmers have come up with new functionalities of the service that allow citizens to reduce water consumption and their personal expenses on utility bills. Muscovites now have a unique opportunity to assess their water consumption and compare it to the average of more than 5 million households in Moscow via easy access to analytical visualization of the Water Consumption Data. If the rate of consumption is decreasing, service will notify a citizen with a positive sticker. For those who are looking for specific tips, how to reduce water consumption, there will be a special section on the webpage. New PR campaign based on AR technologies has been launched to promote new functions and raise awareness. The idea is to show the long path that water has to make to enter homes of Muscovites. From the drop of the rain to the tap in the south of Moscow, you may explore the virtual water Moscow map. From the drop of the rain to the tap in the south of Moscow, you may explore the virtual water Moscow map.

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

The project is relevant to **SDG12**.

B2Climate

<https://rusclimatefund.ru/projects/co2calc.html>

The project is under **Fund for the development of environmental projects and assistance in solving climate change problems " Russian Climate Fund "** in **Russian Federation**.

Forests sequester carbon and produce oxygen. This makes forests a defender of climate and humankind. That's why tree planting projects are becoming a priority in international climate policy. Because the concentration of CO₂ in the atmosphere continues to grow, indeed. We have developed a carbon footprint calculator that allows you to calculate the total amount of CO₂ released into the atmosphere as a result of the activities of a company or an individual, and also gives recommendations on the number of trees that need to be planted to compensate for these emissions. By analyzing the carbon footprint data, a company or individual will not only help to plan actions for sustainable development, but also can make a real contribution to minimize the impact on the planet of their services and products. The calculator was launched in 2020 and more than 50,000 trees were planted in 5 regions of Russia. More than 1,000 volunteers were involved in the planting trees. The goal is to involve companies and the public in the process of carbon footprint compensation and to plant 1 billion trees in Russia by 2050.

The project contributes to WSIS Action Lines: **6, ENV, 11**.

The project is relevant to **SDG13, SDG15**.



Electronic accreditation of subjects of conformity assessment

<https://techreg.qoldau.kz/ru/acc/info>

The project is under **NATIONAL ACCREDITATION CENTER** in **Kazakhstan**.

Increasing the transparency of the activity of subjects of conformity assessment in order to prevent the possibility of issuing illegal certificates of conformity and declarations of conformity. Increasing the credibility of the national conformity assessment system. Assessment of the current state of the testing laboratory base (equipment, measuring instruments, standards, documentation) Reducing the cost of accreditation (paper, notarial actions, logistics and forwarding of documents). Reduced waiting time for results. Exclusion of corruption factors and economic crimes.

Reducing the number of counterfeit products and improving the quality and safety of products and services. Electronic format for accreditation of subjects of conformity assessment. Reducing the cost of attestation (paper, notarial actions, logistics and forwarding of documents). Reduced waiting time for results. Elimination of the possibility of falsification and forgery of accreditation certificates. Exclusion of corruption factors and economic crimes.

The project contributes to WSIS Action Lines: **GOV, BUS**

The project is relevant to **SDG8, SDG9, SDG12**



Declutter Service on Mos.ru Portal

<http://mos.ru/services/vyvoz>

The project is under **The Moscow Department of Information Technologies in Russian Federation.**

The piloting The Declutter Service started in October 2021 on the Moscow Mayor's Official Website mos.ru. We developed the service providing citizens of Moscow (population of 12 million people) with the opportunity to remove unwanted things. Users can apply for free removal of broken or old appliances and heavy metal items. They can dispose of an old fridge, bathtub, and even a car. This resolves a major problem, as disposing of appliances together with other waste is prohibited, citizens must take them to bulk waste bins - which is inconvenient. Now users can apply for removal online, choosing a convenient date and time. Removal and disposal services are provided by partner companies. We are open to commercial partners and cooperation. Since the launch of the Service, citizens of Moscow have submitted more than 6.7 thousand applications, 6.1 thousand applications have been processed and fulfilled. 156300 kg of waste has been recycled. This equals the weight of approximately 156 cars or 822 pianos. The Service is supported by media campaign that has reached 74.1 million people (according to "Medialogia"). More than 137 thousand unique users have visited the Service's web page. The Project helps form a culture of responsible waste management.

We have received over 6.7 thousand and fulfilled over 6.1 thousand applications since the launch of the Project. 156300 kg of waste has been recycled. This equals the weight of approximately 156 cars or 822 pianos. More than 137 thousand unique users visited the Service's page. 74.1 million people were covered by the information campaign (according to the monitoring by "Medialogia"). The Project has just started, but we can envisage its long-term economic impact. We estimate that it will: - Reduce users' expenses on fines related to improper bulky waste disposal; reduce expenses on disposal performed by third-party companies with high prices; - Reduce transaction costs for public organizations that are obliged to take bulky waste to special bins - Provide extra income to the city budget by serving as link between citizens and partner companies - Increase the amount of raw materials for upcycling companies The mos.ru team expects the Service will have the following social effects: - Develop the culture of sustainable consumption and recycling in Moscow - Help people in need (citizens give things they do not need to partners, and they distribute them to those in

need via charity/second-hand platforms) - Develop the community of responsible citizens who do not want to cause damage to Moscow's environment - Raise public awareness about recycling options available to Moscow citizens Environmental impact: - Reduce atmosphere pollution - More efficient use of resources thanks to recycling and upcycling

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

The project is relevant to **SDG12, SDG13**



AL C7. E-agriculture

EAİS(EKTİS)

<https://eagro.az/>

The project is under **Agro Researches Center under the Ministry of Agriculture in Azerbaijan**.
- Operativeness and transparency - Collection of documents - Identification of parcels - Lack of interaction with organizations - Easy to use and manage Tech: Web platforms (forums, communities, e-governance); Remote sensing (satellites, planes, drones); Sensors (weather, GPS tagging, livestock); Broadcasting (TV, radio, online, SMS); Digital communication (telephone, messenger, email); Software solutions (programs and packages) Currently, agriculture in the country is developing in conjunction with state subsidies and other incentive methods. At the same time, new strategies, innovations, and information and communication technologies(ICT) are being implemented for the development of agriculture through the Ministry of Agriculture, our organization, and other sub-organizations. An example of the application of Information and Communication Technologies(ICT) is the Subsidies module of the Electronic Agricultural Information System(EKTIS) created by us and the largest platform of the Ministry of Agriculture. This system contains all farmers' information of the country, all parcels, and other agricultural staff of the country. Thus, gathering data, creating analytical reports, and build models that form a basis for planning future development and become the key requirement of modern data – “Big Data”. Farmers declare their area of activity through the system and can apply for a subsidy. This system has the ability to set

up monitoring mechanisms to ensure the proper implementation and development of agricultural processes, as well as tracking processes in real-time. Provide better services with high satisfaction, make it easier for the farmers and government. Monitoring is also carried out on the basis of satellite images

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

The project is relevant to **SDG2, SDG12, SDG13**.

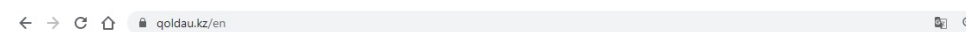
SUPERVISION TECHNOLOGY DIGITAL LAND MONITORING

<https://lands.qoldau.kz/>

The project is under **Joint Stock Company "Information and Accounting Center"** in **Kazakhstan**. Since one of the factors of the well-being of the country and the world as a whole depends on the rational use of agricultural land, the main goal of the project is the inventory and implementation of state control over the use of land. The land monitoring project has been developed in order to modernize the agricultural sector, increase productivity and control the rational use of agricultural land. The project processes information from satellite systems and uses remote sensing data of the earth to confirm the fact of use / non-use of land by indices, and also monitors compliance with the load norms on pasture lands. In 2020, in order to identify unused arable land and irrationally used pastures, the IAC digitized the territory of some regions through a web portal as part of the implementation of measures to monitor the use of agricultural land. According to the data of the first stage, 8.3 million hectares of unused pasture land were identified. 2.6 million hectares of pastures have already been voluntarily returned to state ownership, owners of 5.7 million hectares of land have received electronic notifications about the need to take measures to remedy the situation.

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

The project is relevant to **SDG2, SDG8, SDG9, SDG13, SDG15**.



SuperVision Technology
Digital land monitoring

The Dairy Union of Kazakhstan

<https://kazsut.com/>

The project is under **Digital Supply Chain Management** in **Kazakhstan**.

We foster the use of a free mobile app called Collect Mobile to digitalize our suppliers of raw milk.

Dairy factories in Kazakhstan buy milk from hundreds of small farms and having this digital solution

saves time for supply chain management and allows dairies to provide better support to small farmers. With support from the FAO and EBRD, we developed standard reports using Power BI to analyze the data. This is helpful to improve food safety parameters and milk and plan milk procurement quantities. We believe the innovation consists in bringing the tool (Collect Mobile) from forestry to agribusiness and in trying to establish a direct dialogue with our farmers, by-passing the middlemen (milk traders). thanks to the survey, developed by the FAO experts, dairies' staff holds a direct dialogue with small farmers and this will lead to relations of trust and mutual understanding. We believe only trust and responsible behavior from both sides of the value chain can result in inclusiveness and competitiveness of the industry as a whole. Our industry association unites milk processors of Kazakhstan. Every year, Kazakhstan's dairy industry buys over 2 M tons of raw milk from farmers, 50% of them are smallholder farmers. Giving them a hand requires knowing them, understanding their performance. Collect Mobile for us is very helpful in that.

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

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

Definition of crops and creation of a database for the Automated System for Planning and Monitoring of Crop

<https://tapipedia.org/content/ministry-agriculture-food-industry-and-melioration-mafim-kyrgyz-republic>

The project is under **GIS Pro in Kyrgyzstan**.

Digitalization and automation is one of the main directions in the development of the economy in the country. Digitalization reduces the risks of the emergence of corruption systems in local governments, and also allows the efficient provision of services to the population. An automated system allows the population to receive information in a timely manner and without wasting time. The resources of geospatial information available in the Kyrgyz Republic on agriculture, and in particular data on soils and vegetation cover of pastures, remain on paper and are not fully utilized, which prevents the realization of all the potential benefits of using a wide layer of potential users. Today, high-resolution satellite images are available free of charge, with the help of which you can obtain up-to-date data that can be used in many areas. This data can be used in the planning of crops, it will also be a powerful tool for the government in supporting exports or helping to sell farmers' products, since using this data it is possible to determine in advance how much area is occupied by a particular crop and how many tons on average a farmer will receive from a certain plot. From satellite images, you can get what types of crops are grown in a certain area with a resolution of 10 meters. And also it will allow farmers to monitor the soil moisture of their own areas, as well as determine the state of vegetation using the NDVI index. Also one of the main advantages is that you can analyze up to 20 years by crop type to avoid soil erosion. Those if every year the same crop is grown in a certain area, then the soil will be depleted, a correct systematized system of sowing crops is required.

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

The project is relevant to **SDG2, SDG3, SDG8, SDG12, SDG13**.



Implementation of Web-based FAO Food Price Monitoring and Analysis Tool

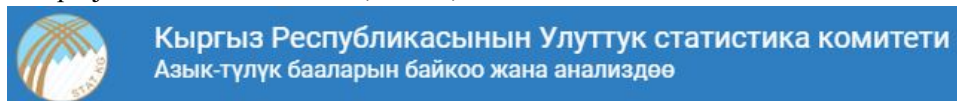
<http://fpmatool.stat.kg/public/>

The project is under **FAO** in **Kyrgyzstan**.

Web-based FAO Food Price Monitoring and Analysis (FPMA) Tool was implemented in the National Statistics Committee of the Kyrgyz Republic. This tool gives access to everybody to the National Statistics Committee's full database of price data for 56 consumer goods in 19 cities throughout the Kyrgyz Republic. It provides easy visualization of time series data as well as basic analysis and reporting features. The FPMA Tool is a major component of the FPMA activity. It provides an advanced technical solution for dissemination and analysis of price information. The Tool was developed in 2010 as part of FAO's initiatives to address the soaring food prices.

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

The project is relevant to **SDG2, SDG9, SDG12**.



Development of an Animal Identification and Traceability System in Kyrgyz Republic

<http://www.fao.org/3/a-br254e.pdf>

The project is under **FAO** in **Kyrgyzstan**.

Animal Identification and Traceability System critically contributes to increased food and safety and security for The Kyrgyz Republic and income of farmers and other stakeholders through improved disease monitoring and control, reduced restrictions export of livestock products and improved animal health and productivity and pasture utilization. Furthermore, the AI&T provides a basis upon which to build future systems for improved livestock management and genetic selection. So under project the Ministry of Agriculture and Melioration (MoA&M) of The Kyrgyz Republic, was supported to develop a national strategy and action plan for animal identification and traceability (AI&T) and to design the information technology (IT) system required and develop the necessary software for data collection, storage and exchange.

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

The project is relevant to **SDG2, SDG9, SDG12**.



Strengthening of the National Food Security Information System in the Kyrgyz Republic

<http://www.fao.org/3/a-bd520e.pdf>

The project is under **FAO** in **Kyrgyzstan**.

In order to facilitate price data collection (obtained from nine markets throughout the country), the project assisted National Statistics Committee to develop a CAPI (Computer Assisted Personal Interviewing) application, built on an Android-based open source platform and toolkits. Special software was developed. The project also equipped 21 data collectors with tablets connected to the central server. To improve the reporting of current agricultural statistics, the project contributed to the development of a user-friendly software application running under SQL Server 2007 to facilitate data input into a centralized server located at the National Statistics Committee office in Bishkek. So the main result was shifting of price collection from paper based system to e-based system.

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

The project is relevant to **SDG2, SDG9, SDG12**.



Telegram bot "DyikanDos"

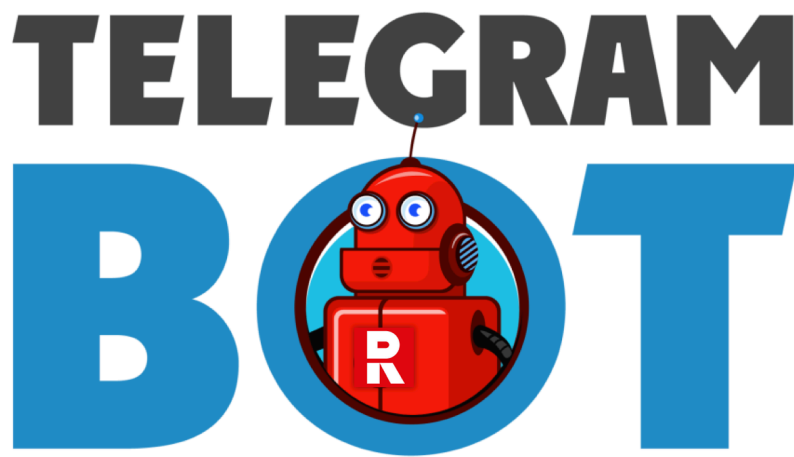
https://t.me/strong_village_bot

The project is under **State Enterprise Information Marketing Center "Aylmaalymat"** in **Kyrgyzstan**.

Many different digital solutions and products are being created, many books and various information, but farmers do not know about them, and farmers also have many template questions. The telegram bot serves as a tool for providing information to farmers, as a tool for prompt feedback. In this project, the telegram-bot technology is used, a system that allows you to respond to user requests in an online format and provide users with all the necessary information as quickly and conveniently as possible. The bot is also able to monitor the number of clicks and give users an estimate of the quality of this or that information, which will allow keeping only the most accurate and useful information for farmers in the bot's database.

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

The project is relevant to **SDG2, SDG11**.



Virtual Tours for producers and exporters

<https://moldovafruct.md/en/>

The project is under **Fruit Producers and Exporters Association Moldova Fruct** in **Republic of Moldova**.

After borders closed and flights were grounded due to the COVID-19 pandemic, the Fruit Producers and Exporters Association of Moldova created an alternate way for prospective buyers to 'visit' some of Moldova's producers and exporters. Using 3D panorama imaging technology and videos, buyers that are interested in Moldovan fruit and grapes can 'step into' orchards, vineyards, and post-harvest facilities of Moldova's producers and exporters through virtual tours. The tours capture the entire horticultural infrastructure of each of the ten participating companies, from production to post-harvest handling. Foreign buyers, as well as any interested consumer, can virtually view the super intensive orchards, modern cold storage facilities, as well as available sorting, grading, and packaging equipment, while enjoy breathtaking views of Moldova's countryside.

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

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

Information and early warning system for Integrated plant protection

<http://igfpp.asm.md/en%20http://eco-con.net/>

The project is under **Institute of Genetics, Plant physiology and Protection in Republic of Moldova**.

Integrated plant protection system. Improved the management of existing data bases, data banks and other information sources: the modalities of collection, storing and analysis of the agrometeorological information improved, the physical set up of drought monitoring system, the personnel of Hydrometeo service training, greater utilization and repackaging of interact-source information to support policy-oriented action at various levels; The objective of the use of the ICT Improved development planning processes for integrated plant protection at national level ; • Enhanced capacities for integrating environmental data and information into development planning at various levels; • Enhanced collaboration and co-ordination between the key national institutions as well as other stakeholders at various levels; • Greater participation of stakeholders in decision making processes on evaluation, prevention and Integrated plant protection • Public awareness concerning integrated plant protection ,the agrometeorological forecasts improving, the expertise in using agrometeorological data extended to communities and farms level. "

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

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

Agriculture innovations systems and Sustainable farming

<https://en.supercam.aero/>

The project is under **Unmanned systems LLC in Russian Federation**.

Our company designs modern and pioneering solutions that contribute to the development of precision agriculture. The company's activities help farmers and SMEs to deploy advanced technologies which are known for the acquisition and processing of accurate data to assist users in the agricultural management. Learning on the crop development constitutes the foundation for vegetation strategies and estimating the crop yield. The multispectral sensor mounted on the unmanned aerial vehicle in addition to the RGB camera makes a great tool when assessing the field and orchard conditions. Application of the UAV in contrast to the satellite coverage has its benefits in that it reduces the time to collect imagery, minimizes the costs and secures the room for manoeuvre to deploy the drone if the previous set of image does not have the required quality because of inclement weather conditions in the area of operation. Devising a strategy of chemicals and fertilizer distribution is the cumbersome procedure given the strict regulation that centers around the environmental state of protection and soil restoration. Farmers have to keep in mind these observations, while maintaining the crop and performing the function of observation. Another concern for SMEs and local farmers is the rational use of water as a resource that might be limited and also causes the risk of fertilizer washout in case of excessive consumption as well as its ingress in surrounding rivers, ponds and other water objects. UAV represents an early and regular system of monitoring and observation. Multispectral sensor that enables to detect the reflection of the sun energy from plants and their tissues is considered to be an optimal solution for precise and sustainable agriculture.

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

The project is relevant to **SDG2, SDG7**.

ExactFarming

<https://exactfarming.com>

The project is under **ExactFarming LLC** in **Russian Federation**.

Our key solutions include land productivity assessment, agrochemical soil analysis support and VR fertilizer application prescription maps ensuring wise land treatment and soil fertility preservation, as well as satellite monitoring of vegetation making crop production informed and resilient. The proprietary developments of ExactFarming are a unique guide on pests and diseases and a unique algorithm of field agrophytocenosis development anomalies foci detection empowering farmers to grow and treat crops knowledgeably and sustainably. Particular use cases and the results of our pilot projects prove the fact our solutions allow farmers to get higher yields and save money. Our solutions are based on the processing of Big Data within the framework of the proprietary platform for their storage and analysis. We work with such technologies as machine learning, computer vision and neuronets. ExactFarming collects data from different sources: field sensors, weather stations, satellites, UAV — and simultaneously acts as a data source itself using the accumulated and adapted system information. The system of detection includes operations of a raster image transformation to a 2-dimensional array of objects, erosion of the array with the consequential clusterization and filtration of the objects, useful features extraction by way of the marker image generation and the identification of spatial coordinates of the results obtained. The results obtained are downloaded in a .geojson file and can be used as a route for scouts.

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

The project is relevant to **SDG2**.



Biological protection of plants by entomophages using unmanned aerial vehicles

<http://flyseeagro.com/>

The project is under **LLC "Fly and Look Agro"** in **Russian Federation**.

The proposed technology contributes to the protection of plants from insect pests without the use of insecticides. Pests do not develop resistance, pesticide load on the land is reduced, land degradation slows down due to the use of pesticides.

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

The project is relevant to **SDG2**.

BIOsens Myco

<https://sens.bio>

The project is under **BIOsens in Ukraine**.

Three powerful BIOSens advantages for customers are gained thanks to the device's architectural and software breakthrough. Technically, BIOSens solution consists of two components: a unique hardware solution – portable electromechanical device of 40x25x15cm size with disposable cartridges with reagents and a developed software solution – mobile app and web platform to securely store data, analyze it and make predictions powered by AI algorithms. Unique structure of the device allows it to run the whole process of mycotoxins testing within only 21 minutes reducing the time required for food analysis by dozens of times with a comparison to existing solutions. The device provides both qualitative (whether the product contains mycotoxins or not) and quantitative (how much of mycotoxins is in the product) analysis. BIOSens testing device automatically conducts the process of crops analyses: 1. Sampling and milling. User selects the crop sample to be tested. Selected sample is milled to the required consistency and loaded into cartridge's sample compartment (container #4). Each sample preparation and respectively analysis requires a new disposable re-filled cartridge with reagents. 2. Sample preparation. After loading a milled sample into BIOSens device an automated sample preparation follows the next procedures. The whole process is controlled and monitored by a microcontroller (#5). 3. Analysis. Integrated fluorimeter is turned on and measurements are conducted. Sensor detects fluorescence signal from analyte in specific spectral range. Microcontroller calculates results accordingly to acquired signal and calibration values and delivers results. 4. Results delivery. At the last step, qualitative and quantitative results appear on the BIOSens screen and are delivered to the customer's web platform or mobile app. Software part of BIOSens mycotoxin testing solution consists of mobile and web applications.

The project contributes to WSIS Action Lines: **2, 3, 4, 6, HEA, ENV, AGR, SCI**.

The project is relevant to **SDG2, SDG3, SDG6, SDG12, SDG13, SDG14, SDG15, SDG16**.

Vkursi Zemli

<https://vkursi.pro/zemli>

The project is under **Vkursi Agro in Ukraine**.

The Vkursi Zemli platform is a service that provides data and analytics about the land of Ukrainian agricultural producers broken down by land plot, owner, and user. In Ukraine, legal entities may not own land; they rent land from individuals to engage in agribusiness. 64% of 32.7 million hectares of all arable land in Ukraine are cultivated not by owners but by tenants. Such land relations create a significant administrative burden on agribusiness because the more land they rent, the more individuals have to enter into lease agreements, register them with government agencies, correctly calculate and pay rent, etc. In Ukraine, these are complex processes for a number of reasons. The transfer of land from the state-owned property to private ownership was chaotic and was documented only on a paper medium; the cadastral database in an electronic format has been filled only since 2003 and still does not cover the entire territory of Ukraine; in 2013, the State Register of Property Rights to Immovable Property was created in which information on titles to land registered before 2013 has not been entered. This, as well as other factors, has led to fundamental land-use problems that still need to be addressed. What are these problems, and how does our service help solve them? Land raiding. Raiders exploit gaps in existing laws and the land registration of their victims, take illegal possession

of land plots, harvest in the fields, or entire enterprises. Our service enables agricultural companies to carry out an automated audit of their land banks, identify internal accounting errors, discrepancies between their data and that contained in land registers and correct them. The feature of instant notifications about changes in the state register data informs users about illegal registration actions, which allows taking the necessary legal measures promptly.

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

The project is relevant to **SDG2, SDG6, SDG15**.

Agrotec

<https://robotec.ua/agrotec.html>

The project is under **Robotec in Ukraine**.

We can do all the same as our competitors: • autonomous precision movement across the field • work of a fleet of robots • computer vision • recognition of weeds and diseases • precision local impact • analysis of information in the Cloud • weed control • elimination of diseases, fungi, bacteria but we do it all with no-till and chemical free method. We conduct series of experiments, research work that will allow: • increase the efficiency of microwave exposure • bring microwave technology to a commercial level • select the exact drop size and ozone concentration in the water mist • select the frequency of processing both weeds and crops both by microwave and ozone Agrotec offers no-till, chemical-free, fully autonomous farming based on artificial intelligence. OH-/H2O2 Mist Sanitization - we are experimenting with a developed OH- mist spray system to sterilize crops without the use of chemicals and are planning to be among the first to introduce this technology. Weed control - no-till and chemical free farming is a modern, integrated farming system that requires special equipment and technology. Our agrocomplex quickly identifies weeds at an early stage and eradicates them using precision high density microwave treatment. Here we also have great advantages, and after numerous experiments that we are conducting, we plan to get an effective tool for weed control. Intelligent Vision System - a combination of multispectral images and can be analyzed using AI algorithms to detect anomalies at an early stage in pathogen development. Autonomous movement: our robot senses its environment using GNSS RTK (GPS), stereo camera, IMU and wheel odometry and special algorithms developed at ROS.

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

The project is relevant to **SDG2**.



Integrated One Stop Shop for farmers to access finance, markets, inputs, and knowledge

<https://agrianalytica.com/en/>

The project is under **Agrianalytica LLC in Ukraine.**

Integrated One Stop Shop for farmers to access finance, markets, inputs, and knowledge.

Agrianalytica is a farmer-centric ecosystem, which also offers functionalities for financial institutions, input suppliers, processors, traders/buyers, and agricultural consultants. The main idea is to provide one integrated place with value added services for relevant stakeholders' groups centered around farmers and their needs. Small farmers have 3 main challenges (to which agrianalytica.com developed solutions): 1. Access to finance: lack of accounting or its poor quality, lack of simple tools for accounting and production planning, low financial literacy of farmers and their inability to substantiate their financial needs, lack of understanding by bank loan officers of the agribusiness specifics, lack of credit analysis tools and risk assessment for banks to lend to small farmers. 2. Access to markets and inputs: lack of tools for comparing financing proposals of banks, suppliers and buyers in one place as well as for choosing the most suitable options for material and technical resources purchases, lack of tools for finding fellow farmers to form the tradable volume of products in order to profitably sell the crop. 3. Access to knowledge: lack of knowledge where to find credit at best conditions and how to compare different credit options: bank loan effective interest rate, input suppliers credit conditions, processors/traders' pre-finance options conditions; lack of knowledge how to prepare a business plan and a package of documents for a lender, how to submit an application, lack of economic analysis knowledge to improve profitability, lack of knowledge of efficient production and crop technology, lack of knowledge of how to keep accounting in the right way.

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

The project is relevant to **SDG2, SDG3, SDG8, SDG9, SDG12.**



Kray Protection

<http://kray.technology>

The project is under **Kray in Ukraine.**

World's society faces a grave threat of the climate change consequences: food shortages and desertification driven by a number of feedbacks already in action. Yet the severity of consequences depends on our ability to suppress or reverse these feedbacks. The main feedback drive is farmer's poor economics, while the key metric of the dynamic is the soil carbon content change. We urgently need a solution which is efficient in reversing yield decrease, land degradation and carbon emissions, and it must be profitable for farmers. No-till agriculture sinks CO₂ and restores the degraded lands addresses emissions, productivity, and soil conservation problems. Still three main challenges exist for no-till agriculture. First, the transitional period is often characterized with reduced yields and further yield variability increases. Second risk is increased N₂O emission if more fertilizers are

applied to increase yields. Third danger is the higher potential for pests which requires more precise and frequent crop protection. Improvement of the application cost and timing closes Yield Gap and overcomes No-till Productivity Challenges. Yields-affecting changes in N uptake could be corrected along with N₂O emission reduction by the timely and multiply split foliar applications of decreased overall N fertilizer amount. The limitation is the cost of crop protection and fertilization applications and applications accuracy and availability.

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

The project is relevant to **SDG2, SDG3, SDG8, SDG12, SDG13.**



METEOTREK

<https://www.meteotrek.ua/ua/>

The project is under "**Meteotrek**", LLC in Ukraine.

Our solution helps farmers receive accurate information about the current state of the weather at the place of installation of weather stations, effectively plan technological operations depending on the short-term weather forecast, quickly respond to sudden changes in weather conditions, use irrigation systems in the most optimal and efficient way, depending on the soil condition, receive online alerts about possible fire risks. As a result, farmers reduce the cost of processing fields and increase yields from each hectare, tree and bush. For small farmers - timely harvest before heavy rains (weather forecast in METEOTREK), which helped save the entire berry harvest. For average farmers - a company using irrigation systems reduced water consumption by 21% by monitoring soil conditions at several levels. For large agricultural holdings - a fraud for \$ 120,000 was found, when, according to all the documents, plant protection products were applied, and its low efficiency was written off for the rains. after analyzing our data, it turned out that the technicians did not apply fertilizers, and there was no rain during that time period.

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

The project is relevant to **SDG2, SDG9, SDG12.**



FarmForesight

<https://farmforesight.com>

The project is under **FarmForesight** in **Ukraine**.

FarmForesight is a gamified business simulation, that allows training of decision-making skills. It shows great results as a staff assessment and training tool, as an aid for HR in choosing proper candidates, as a team-building and event instrument. FarmForesight is a web-application built on Java and React.js which allows to model multiplayer sessions of virtual plant production company, that can be tuned to be similar to real company (region, company size, specific weather and prices condition). Core analytic algorithms in modeling are based on BigData and tuned by experts to give as realistic forecasting as it is possible in virtual modelling. Gamification makes the modeling process fun and involving. The model can be adapted to almost any crop type in any country if there are enough historical data to analyze and build cause-effect links.

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

The project is relevant to **SDG2**.



FluroSense

<https://flurosat.com/flurosense>

The project is under **FluroSat** in **Ukraine**.

FluroSense platform automatically collects a range of data for an agricultural field (satellite imagery, soil maps, equipment application maps), and applies a range of scientific/agronomic and ML&AI models built into it. A built-in crop simulator is used to simulate crop behavior, its input requirements, and yield potential across all food production environments. To power this simulator FluroSat has developed technology to translate satellite imagery into crop phenology metrics, geo-located crop stress markers and site-specific fertiliser recommendations. Some additional technology examples include ML models to identify crop types post-season and in-season, ability to translate satellite imagery into nitrogen sufficiency maps and identify whether a farm has conservation practices used on the field (no-till, cover crops and more). Using these information layers, a decision support tool for each of the key agronomic decisions from planting to harvest, and again to planting are offered to the farmer and their agronomic advisor. The technology is widely available across the majority of the features, and is now being used in 45 countries around the globe.

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

The project is relevant to **SDG2**.



Financial services and insurance

<https://agroapp.com.ua/>

The project is under **Fintech Pro, LLC** in **Ukraine**.

Our service is based on the consolidation of data from more than 70 open registries such as company register, land register and many other state registers. Our chatbot allows to apply for a loan from messenger anywhere with a minimum mobile Internet coverage. No registrations needed, no special mobile applications download. Based on the open data received, the system generates a credit report, which, through our CRM system, goes to partner banks to make a decision on issuing a loan. Typically, the traditional process takes months and is complicated by paperwork. AgroAPP significantly reduces the time, which is very important when it comes to a sowing company. The project contributes to WSIS Action Lines: **AGR**. The project is relevant to **SDG2**.



i-bee

<http://www.i-bee.net/ru/>

The project is under **IT INNOVATIONS** in **Ukraine**.

The main problem in recent years in beekeeping is the massive death of bees as a result of chemical poisoning during spraying of fields, as well as a result of sudden changes in weather conditions and microclimate inside the hives. The bee is recognized as the most important creature on the planet, therefore, constant control and monitoring of the state of their vital activity is a very important task. with the help of i-bee system, beekeepers get the full control over their apiary using special devices and smartphone with the app. I-bee helps to receive push notifications in the application in the shortest possible time in case of emergency.

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

The project is relevant to **SDG2, SDG12**.



i-bee

Healwith

<http://www.healwith.org/index.html>

The project is under **Azerbaijan State Oil and Industry University** in **Azerbaijan**.

Healwith is a mobile application based in 2018. By means of this application farmers, amateur gardeners and households will learn about the diseases of infected plants, vegetables, fruits and also treatment methods of them. Healwith mobile application is based on artificial intelligence. The user who downloads the mobile application will simply take a picture of the infected part of the plant and upload it to the system, as shown in the application. Healwith will then provide the user with information about the disease and treatment methods.

This software can be used by mobile users with any Internet access. This, in turn, makes the program more accessible. The second software will be free and it is planned to be multilingual. At present, the software can diagnose 38 plant diseases, and the software contains treatment information for more than 150 diseases.

The project contributes to WSIS Action Lines: **HEA, AGR, SCI**

The project is relevant to **SDG2, SDG3, SDG13**

E-SUBSIDIES IN AGRICULTURE

<https://subsidies.qoldau.kz/en/subsidies/startpage/startpage>

The project is under «CIFS» **Limited Liability Partnership in Kazakhstan.**

Mission and main objective: Sustainable development of agriculture and rural territories through the formation of an accessible and multi-service digital ecosystem. E- SUBSIDIES as part of ICT and digital solutions in e-agriculture used by society as innovative ways to boost the agricultural sector, foster sustainable agriculture and drive socio-economic development, while also contribute to most pressing challenges – such as climate change, drought and desertification with influence to the SDGs. E-SUBSIDIES - electronic submission of applications for subsidies, their processing and payment. The project is unique, as it helped to reduce user costs for documenting processes, increase comfort in obtaining government support and transparency of all internal processes. This became possible due to the active use of geographic information services and crowdsourcing opportunities. For the period from 2017 to 2022, about 1 million applications for subsidies were submitted, of which 654 thousand applications were paid for a total amount of more than 700 billion tenge (1.6 billion USD), while more than 61 thousand agribusiness entities are recipients of subsidies.

The implementation of the project has significantly reduced paper consumption. For the entire period from 2017 to 2022, the number of applications amounted to about 1 million units. Considering that an application for a subsidy is on average 50 pages, the total number of saved sheets of paper is about 50 million sheets, or 244,800 kg, or 100,000 reams of paper, or 5,650 trees, or about 11.3 hectares of forest. In addition, it is impossible to calculate the amount of CO₂ emissions into the atmosphere from the fuel that would be used to drive farmers from their place of residence to regional centers (about 100-200 km one way) to submit an application “in paper form”.

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

The project is relevant to **SDG2, SDG9, SDG12, SDG13**

AL C7. E-science

International Research, Development and Testing Centre for new equipment, technologies, and services

<http://www.test-ict.tech/>

The project is under **SPbGUT named after prof. M. A. Bonch-Bruевич in Russian Federation.** Now IoT, Industrial Internet (IIoT), Tactile Internet, Information Quantum Technologies, Smart Cities and Communities (SC&C), 5G/IMT-2020 and subsequent generations of communication networks, including 2030 networks (NET-2030), are the basis for sustainable development, both the infocommunication networks of the future and the entire world economy, which is entering a new era of its development - the digital economy era. Before the introduction of the above technologies and solutions both at the national and international levels, it is necessary to carry out their technical research, test for compliance and interoperability (C&I), work on the development of international

standards and recommendations, as well as carry out pilot tests and preliminary operation in conditions close to the real economic relations. The primary purpose of the IRDTC is to conduct research and testing of new equipment, technologies, and services, standardize work, and build and enhance capacity in the region by developing relevant regulatory, policy and technical documents, workshops, and training programs. The implementation of this project allows to: - develop the legal and regulatory framework for the introduction and testing of IoT technologies, including Industrial Internet, Smart Cities, and Communities, 5G/IMT-2020, 5.5G, 6G/NET-2030 communication networks, etc. in various areas of human activity; - standardize and certify solutions from different vendors against international standards and recommendations. The expected significant outcome of this project is also the development of international standards for testing IoT devices, systems, and networks, including the Industrial Internet, Smart Cities and Communities, 5G/IMT-2020, 6G/NET-2030 and associated technologies implemented at the experimental facility of the center under development, as well as the inclusion of the deployed IRDTC in the Labs recognition procedure and the establishment of the ITU Center of Excellence on its basis.

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

The project is relevant to **SDG4, SDG5, SDG8, SDG9, SDG11, SDG17**.

Girls and Women Priority Involvement in Scientific Research Initiative

<https://www.sut.ru/science>

The project is under **Federal State Budgetary Educational Institution of Higher Education "St. Petersburg State University of Telecommunications named after Prof. MA Bonch-Bruyevich" in Russian Federation**.

The main goal of this initiative is to provide access for girls and women to participate in research and to acquire and apply skills and knowledge. The objective of this initiative is to involve girls and women in research in the field of ICT, as well as to increase the human resources in ICT. The target audience are girls and women in graduate school in ICT areas, as well as girls and women working in the field of education. There has been no prior focus on prioritizing the involvement of girls and women in ICT research; the initiative will increase the ICT workforce by involving girls and women in the industry. This initiative expands current research activities, and there is a gradual increase in the number of women and girls participating in scientific activities and research.

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

The project is relevant to **SDG5**



AL C8. Cultural diversity and identity, linguistic diversity and local content

#PhilharmonicatHome #сфилармониейдома

<https://en.sgaf.ru/vkz>

The project is under **Sverdlovsk Philharmonic in Russian Federation**.

Starting from March 20, 2020, on a daily basis the Sverdlovsk Philharmonic's Digital Concert Hall broadcasts educational programs and concert recordings from its archive collection for free, from 13.00 to 17.00 (Philharmonic lessons, lectures, daytime family concerts) and from 18.30 to 21.00 (evening concert programs). Live streams are also run via our accounts in social networks and partner websites (cultural media, digital cinemas, city news portals), reaching from 70K to 130K views per day. We fully utilized our Concert Hall without Borders technology (WSIS Champion 2018) when we faced the lockdown situation. Our goal was to continue the concert activities of the Sverdlovsk Philharmonic and keep on providing the public with free access to musical education and cultural values.

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

The project is relevant to **SDG4**.



Digital tourist service RUSSPASS

<https://russpass.ru/>

The project is under **The Department of Information Technologies of Moscow in Russian Federation**.

Digital tourist service RUSSPASS is a new online travel service for organizing travel in Russia designed for both residents of the country and foreign tourists. Residents from anywhere in Russia and in the world can easily plan their visit to Moscow, St. Petersburg, Vladivostok, Kaliningrad, Kamchatka and other regions and cities of Russia in already familiar digital format. Tickets to museums, theaters, cultural events, unique tourist routes, objects of cultural and historical heritage of the regions of the Russian Federation, flight and railway tickets, hotel booking-all this can now be found in one place. All routes and tickets are available in the personal account of the RUSSPASS user. The digital travel service RUSSPASS was developed on the initiative of the Government of Moscow. The implementation of the project is supervised by the Moscow City Tourism Committee together with the Department of Information Technology. To date, more than 300 partners cooperate with the service, including over 90 tour operators in Moscow and the regions of Russia. Among the

partners of RUSSPASS there are major players and aggregators of travel services, such as Booking.com, OneTwoTrip, as well as the international travel holding TUI, tour operators of the capital, major museums, theaters and other attractions. In addition, over 80 regions of Russia have signed agreements with RUSSPASS, and 58 of them are already presented in the service. To date, the RUSSPASS database contains more than 1,100 offers for travelers, including regional activities, tours and original routes.

The project contributes to WSIS Action Lines: **6, 8**.

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

Discover Moscow

<https://um.mos.ru/>

The project is under **JS-Company "Electronic Moscow" in Russian Federation**.

Discover Moscow is a joint project by the Department of Education and Science, the Department of Cultural Heritage and the Department of Information Technologies of Moscow. Interactive showplace guides contain descriptions of more than 2 thousand buildings, 659 monuments, 326 museums, 383 territories, facts about 267 historical figures and 145 thematic walking routes. Every user can suggest their own route or to add information about the objects including audio-visual elements.

Discover Moscow app is available on AppStore and GooglePlay

<https://www.mos.ru/mosapps/#mosgid>. The map of the service shows objects near to the user's location. In Augmented Reality mode users can now see the information about objects or showplaces interesting for them. The App also allows to make personal selections by architectural styles or year of construction and to see personal statistics. The Augmented Reality mode allows not only to get information about the object but also to see some parts of its history using the digital vision technologies. All online guides are created to make online walks possible, too. This is in demand during the pandemic. For example, the users can see Moscow sights from a birds eye view, walk down the stairs of the famous Pashkov's house, to see the details of the Petrovsky Palace and Hotel "Metropol" interiors without leaving their homes.

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

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

Interactive City Guide "Discover Moscow"

<https://um.mos.ru/>

The project is under **The Moscow Department of Information Technologies in Russian Federation**.

Discover Moscow is an interactive guide around Moscow, launched in a mobile app, available on App Store and Google Play <https://www.mos.ru/mosapps/#mosgid>. The Project helps popularize Moscow's cultural sites, attract the attention to the importance of knowing the history of cultural heritage sites. Everyone can suggest itinerary or add information about objects. In the mobile app, users can get acquainted with over 3000 buildings, museums, and monuments, as well as go through about 300 exciting quests and routes. The app has 14 routes around the city districts.

The project allows seeing facilities on the map and using AR. Thanks to new features, it is convenient to search for interesting facilities, find information and plan a walk. Since 2020, new functionality has appeared on the portal that allows registering for free excursions. The project also publishes virtual tours of cultural heritage sites. This is a set of 360°/180° photo panoramas that display facades and interiors. The tour integrates text descriptions in Russian and English, as well as classic photographs of interior items (close-up). There are 23 virtual tours. They solve the problem of remote access and serve as information resources for guides and historians, as well as for people with limited mobility.

The Discover Moscow Project helps to solve the following social tasks of the society: 1. Preservation of the history and cultural heritage of the city. 2. Popularization of the importance of preserving the city's history and cultural heritage among young people and the younger generation. 3. Creation of authentic local content. 4. Contribution to protecting, preserving, developing, and strengthening cultural and linguistic diversity and cultural heritage within the information society. 5. Access to unique content for the category of people with limited mobility.

The project contributes to WSIS Action Lines: **8**

The project is relevant to **SDG11**

AL C9. Media

Digital awareness program: Towards Digital Journalism

<https://www.digital.gov.az/en>

The project is under **E-GOV Development Center in Azerbaijan**.

“Towards Digital Journalism” program, implemented by the “E-Gov Development Center”, aims at eliminating the impact of misinformation and data pollution on digital services, bridging the digital divide in society, increasing digital literacy, and ensuring correct and timely delivery of information on digitalization, e-services and institutional innovations to the target audience. Representatives of the media working on IT, e-government, e-services, digital solutions, as well as digital enthusiasts willing to increase their knowledge in this field to grow as a young blogger and contribute to public awareness attended at the program. “Towards Digital Journalism” program consisted of two stages. In the first stage, webinar training sessions took place on June 17-20 (the first) and September 29-October 2 (the second) covered the topics on "Latest trends in journalism", "Ethical rules in journalism and media law", "Electronic projects", "Digital banking", "E-government portals", "Startups", "Artificial Intelligence", "Blockchain Technologies" and others. In the second stage, a writing competition was held among the participants successfully completing the webinar training. In this section, research of real cases on selected topics and delivering information on digital services in the language of the reader was implemented. Participants who successfully completed the program were awarded a special certificate by the Center.

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

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



Rəqəmsal Jurnalistikaya Doğru

Culture.ru

<https://www.culture.ru/>

The project is under **Ministry of culture of Russian Federation in Russian Federation.**

Culture.ru is a unique project about Russian cultural and historical heritage. This is cultural, entertaining and educating media. There is no other similar project of this type in Russia. The idea of Culture.ru is to make culture interesting and exciting for people, so that people would like to spend their free time reading an article about cultura, visit a museum or theater, watch an educating lection. For professionals this project is a cultural society where there is a possibility to tell about your organization and to join the community. Web-site contains three main parts: 1. editorial materials about culture, history and traditions, 2. LIVE section, where users can join over 10 online streams from cultural organizations from all over the country, 3. video library, which contains more than 5 thousand films, plays, lectures and concerts. All content is free for users to read, watch and listen on the web-site. 1,3 million of people are subscribed on social media platforms: Facebook, Instagram, TikTok, Telegram, VK, Odnoklassniki and other. Special activities for users are organized in accouts during each year. For example, Museum night and Art's night. Culture.ru is an important project not only for users interested in culture, but also working in culture. These people can place their events in special section of web-site where you can fine schedule of events, working hours of cultural organizations, etc. This is a special marketing activity which is avaible to each professional user of cultural industry registrated on web-site. More than 115 000 events are downloaded on Culture.ru by professional users. Also there are may vebinars about cultural marketing held for representetives of cultural institutions.

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

The project is relevant to **SDG4.**

Russia-wide festival of student media works "RePost"

<https://repost-fest.ru>

The project is under **Federal State Budgetary Educational Institution of Higher Education "St. Petersburg State University of Telecommunications named after Prof. MA Bonch-Bruyevich" in Russian Federation.**

"RePost" is a unique student festival in the media sphere. The project is aimed at supporting young and talented authors of student media, creating a unified information environment for the development

of communications and exchange of experience among student youth. Participants of the competition are individual and/or groups of students of educational organizations who provide video, audio, photo, text materials with illustrations and interactive projects. The festival creates an opportunity for personal and creative self-development. It allows females to realize their creativity and demonstrate their skills in using modern information technology when creating a media product. Every year, the number of female participants and winners is growing. For example, in 2019, out of 28 winners in nominations, 18 were females. Their work was appreciated by a competent jury. And in the nomination "Radio" the winners were females. Girls perform at the festival not only as participants, but also as speakers, sharing their experience of work in the media sphere and their successes with the contestants. By their example, they inspire and motivate the young audience for personal development.

The project contributes to WSIS Action Lines: **1, 8, 9.**

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



The Smart City Pavilion at the Exhibition of Achievements of National Economy (VDNH EXPO)

<https://www.mos.ru/city/projects/smartcityvdnh/>

The project is under **The Department of Information Technologies of Moscow** in **Russian Federation.**

The Smart City Pavilion is a free permanent exhibition of Smart City technologies at the Main Exhibition of Moscow – VDNH. The exhibition consists of 6 interactive zones presenting technologies and electronic services of the modern city. Each zone represents the main areas of urban life - education, healthcare, landscaping, transport, housing and communal services and others. Guests discover technologies, programs and online services that allow residents to access public services, and the city to effectively solve daily tasks. Visitors can watch multimedia installations that demonstrate how "smart" sensors control traffic and much more. Also, they interactively get acquainted with

projects like Moscow Electronic School (MES) and other modern educational services that help students to study effectively and allow parents to feel calm for their child. Visitors can take a virtual tour of a self-driving taxi, turn on architectural lighting in Moscow, grow a tree with "Our Tree" program for young parents, learn about patient-oriented healthcare, get acquainted with Mos.ru portal, etc. On October 26, 2020, a 5G demo center was arranged in the pavilion, which is engaged in the search, testing and support of city services based on fifth generation network technologies. The 5G demo center site allows the business community to test their developments, and city structures to decide on the feasibility of their implementation. The first working groups of developers will begin to work in the pavilion as soon as the restrictions associated with the pandemic are lifted.

The project contributes to WSIS Action Lines: **1, 3, 6, 9**.

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



ICT.Moscow - an open platform about digital technologies in Moscow

<https://ict.moscow/en/>

The project is under **JS-company "Electronic Moscow" in Russian Federation**.

ICT.Moscow (<https://ict.moscow/>) is an open platform about digital technologies in Moscow. The platform is the base for building a fuller picture of the technology market development in the city and outside it. It is a convenient information, service and communication hub for professionals working in IT. The platform launches various information campaigns and special projects, sends technology digests, conducts polls and regularly publishes exclusive editorial materials (reviews, selections of expert opinions, news, interviews, etc.) to attract attention to advanced technologies,. ICT.Moscow provides access to industry information and to the catalogue of technological solutions: there are more than 2500 cards describing them. ICT.Moscow launches new projects for specific purposes regularly: from a service for finding coworkings in Moscow to an interactive showcase of the best smart

practices. Moreover, knowledge bases of case studies in various IT technologies such as artificial intelligence, COVID-Tech, 5G, blockchain, VR/AR are available on the platform. Users can access the catalogue of more than 1,500 investigations and presentations about technology and digital services consumption in Russia and worldwide. The project facilitates efficient spending of the city budget by:

- Uniting the industry on one platform - Forming involved ICT-Community - Market scanning and cataloguing technological solutions - Collecting independent expert opinions

The project contributes to WSIS Action Lines: **2, 3, 6, 9**.

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

«Knowing in Person»

<https://znaem.mts.ru>

The project is under **MTS in Russian Federation**.

«Knowing in Person» is a social project that consists of an interactive map, Instagram magazines and an online community of entrepreneurs. Through the map one can locate and support local small business spots. Map users can upvote the places they know and increase their rating making them even more noticeable. Residents of the map receive a special shop window sticker, therefore joining the community and standing out on the streets of the city. We tell personal entrepreneurs' stories in our Instagram magazines — how they started and developed their own business, successes and crises, motivation and inspiration. The goal of the project is to give voice to small businesses and help them attract new customers. By telling our stories we want to inspire people to open their own small business in Russia. Visibility and cooperation is key to small business — we create «opportunity to see». The described period is the pilot and MVP stage of the project.

By the end of the designated period, 41 city maps and over 2500 businesses appeared on our small business map. The total audience of the Instagram magazines at that time was more than 14.5 thousand users (with ER at 15%), the coverage was approx. 3.6 million and video views reached 500 000. We have told more than 500 stories of small entrepreneurs. The formats of our integrations included text publications, short documentary videos, photos, we organized give-aways and contests and live broadcasts with participation of the small business map residents. The project received positive response from participants, readers and media particularly due to its social orientation and outstanding quality of the content. Our magazines give small entrepreneurs an opportunity to speak out, tell their story, as well as to find a new communication channel with their customers. In the summer of 2020, the project received the FNDMT Award (nomination Small Business Support). The award was timed with the Covid-19 pandemic and it was awarded for the best business solutions in difficult times. «Knowing in Person» is actively partnering with other initiatives to support small businesses in Russia. In 2021, our project became one of the main partners of the Russian food festival, «New Names 2021». The purpose was to highlight gastronomic projects which opened during the pandemic year. 190 participants from 17 cities received a special tag on our map, while the festival itself received additional information support.

The project contributes to WSIS Action Lines: **4, EMP, 9**

The project is relevant to **SDG8**

AL C10. Ethical dimensions of the Information Society

Charitable Fundraising Service of Moscow

<https://www.mos.ru/>

The project is under **JS-Company "Electronic Moscow"** in **Russian Federation**.

Charitable Fundraising Service is a project of the Moscow Government dedicated to the development of the charitable initiatives within the city. The project has become the first instrument to allow making donations at the official Moscow Mayor web-site, mos.ru. It represents the optimization of transferring funds, verifying the status of non-profit organizations for the largest social-oriented web-portal for more than 13 mln Muscovites. During the pandemic, donations decreased by up to 50%. Citizens' mistrust for little-known organizations collecting money on unspecialized websites only aggravates the situation. Charitable Fundraising Service of Moscow has become the first tool enabling users to donate while using mos.ru, the official portal of public services of the Mayor and the Government of Moscow, which unites optimization of donating process, reliable NCOs and the biggest audience in Moscow. Users of mos.ru can donate without banking charges while paying their bills. The service shows only the projects of proven and authorized funds, which are divided into categories by the recipient: children, animals, adults, elderly people. The project aims to involve mos.ru users in charity and promote charity projects among a big community, thus building a transparent and efficient charity sector in Moscow. Integration with mos.ru simplified the donation process making it easy and transparent both for those who donate and charity organizations.

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

The project is relevant to **SDG1, SDG9, SDG10, SDG11**.



Missing and Found Pets Search Service

<https://www.mos.ru/pgu/ru/services/link/4033/>

The project is under **JS-Company "Electronic Moscow"** in **Russian Federation**.

Missing and found pets search service is the first citywide project in Russia for searching for missing pets launched on the official portal of the Moscow Mayor mos.ru . The service can be accessed both by those who have lost their pet and those who have found missing animals. The project includes a register of all missing and found pets in Moscow. The new service is in the “Animals and Environment” category of the “Services” section on mos.ru. The user chooses the purpose (“Pet missing” or “Pet found”) and presses the “Search” button. After that the citizen can see all announcements published by other users. There is a possibility to describe the pet and add additional information to simplify the search and filter results. Announcements have contacts button. If no announcement matches the query the user can post a new announcement. The service also allows to register update notifications by settings (such as breed and color). The database can be viewed by all users. However, only users authorized on mos.ru can post announcements, see the contacts and subscribe to register update notifications. The citizens have published 210 announcements using the new Missing and found pets search service since the launch of the project on the 23rd of December. The project contributes to WSIS Action Lines: **1, 10**.

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



"Let's be Friends!" Project

<https://dobrayamoskva.ru/nastavniki/>

The project is under **Moscow Department of Labour and Social Protection of Population in Russian Federation.**

"Let's be Friends!" is forming an institution of mentoring orphans, children left without parental care and in difficult life situation. Participants can choose one of options for participation: - social volunteering (tutoring, labor volunteering, organization of events in orphanages, etc.) - organization of a one-time master class - mentoring. Social volunteering involves regular participation in the life of a child or institution in different formats. Organizing a one-time master class is for people with no free time. Mentoring is a constant and close communication with a child (at least once a week), through which they get to know themselves, the world around them, achieve self-determination and cope with different age difficulties. The mentor is a significant adult who can take part in the life of the child as a friend. All mentors in the project are selected by a questionnaire, testing and a conversation with a psychologist. After passing the first stage of selection, all participants have special training about working with this category of children. After that, participants collect documents: a certificate from a neurologist, a certificate of non-criminal record and letters of recommendation. The child and the mentor are accompanied by a tutor and a psychologist during the entire communication process.

The project contributes to WSIS Action Lines: **2, 4, 6, 10.**

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



THE CODE OF ETHICS IN THE FIELD OF ARTIFICIAL INTELLIGENCE

<https://a-ai.ru/en/code-of-ethics-3/>

The project is under **Ai Alliance Russia** in **Russian Federation**.

The Code of Ethics is an act of self-regulation of the AI industry in Russia. Such commitment ensures strife of all possible stakeholders to a conscious, responsible and safe handling of AI. The Code introduces a number of requirements aimed to ensure ethical nature of AI technologies and their introduction to the society. The Code received a heartfelt positive response with more than 40 stakeholders already having joined the community of Code signatories (including leading Russian AI companies, universities and some representatives of public administration).

The Code is an almost nation-wide initiative aimed to set an ethical cornerstone for development, introduction and use of AI. More than five hundred experts of various backgrounds and occupations were engaged in preparation of the code, providing more than three hundred different proposals, commentaries and remarks aimed to ensure that such initiative meet the demands posed by the development of modern technologies. Consideration of such remarks was crucial to ensure that we have a document which can be used as a guiding star towards further development of ethical AI – the most prominent technology in the current digital age.

The project contributes to WSIS Action Lines: **10**

The project is relevant to **SDG9**

"Let's be Friends!" Project

<https://dobrayamoskva.ru/nastavniki/>

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Reducing the number of families in difficult situations and children living in social protection institutions. Reducing the level of illiteracy among children living in social protection institutions. Reducing the juvenile crime rate. Prevention of social orphanhood.

The project contributes to WSIS Action Lines: **2, 4, 6, 10**

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

AL C11. Ethical dimensions of the Information Society

The project is under **Skolkovo Foundation in Russian Federation.**

An international program "Global Challenge – AI for SDGs" is one of the initiatives created by the Skolkovo Foundation and its partners in the field of Artificial Intelligence that aimed to achieve the UN's Sustainable Development Goals (SDGs). The main objective of the Fund's program is to promote 17 UN goals among the technological community, which can become a powerful driver of their achievement. At the first stage, AI innovative use cases related to SDGs were selected to create the first SDGs/ESG AI case map. At the moment, an interactive map of AI technological cases is available online in English. The map introduces innovative technologies of 40 finalists of the first year. Their AI-based solutions for healthcare, education, retail and fintech have great potential to fulfill SDGs. The map will be constantly supplemented by the cases of the international program participants and will become a link between socially responsible businesses, startups and the government. First-year program results: A national PR campaign promoting SDG among hi-tech

community (10000 entrepreneurs) Promotion of the SDGs among the technology community at the largest Russian conferences (Startup Village, Open Innovations, AI Journey) and international conferences (Belt & Road Summit, SWITCH, Singapore Fintech Week) 280 ICT companies as participants 40 finalists on the online interactive SDG's/ESG AI case map in English 3 business missions - to Switzerland, China, Singapore (28 participants) 24 sessions with mentors 3 studies of the patent landscape in AI in the Russian Federation and worldwide 5 program laureates nominated for participation in the Innovation Factory AI for Good conference hosted by ITU Accreditation of the Skolkovo Foundation in SDSN, submission of documents for membership in UN Global Compact Launch of a joint project with ITU, AI for Good.

The project contributes to WSIS Action Lines: **1, BUS, SCI, 11.**

The project is relevant to **SDG1, SDG2, SDG3, SDG4, SDG6, SDG7, SDG8, SDG9, SDG10, SDG11, SDG12, SDG14, SDG15, SDG16, SDG17.**



Smart Cities Moscow Forum

<https://smartcities.moscow/>

The project is under **The Moscow Department of Information Technologies in Russian Federation.**

In May of 2021, Moscow held the first International Forum of Smart Cities - Smart Cities Moscow. The goal is to establish a platform for communications and interaction between ICT professionals, the business community, and cities' representatives on implementing digital solutions in cities. The Forum was held with the support of the Government of Moscow. In 2021, the Forum was organized online, and it has become one of the few platforms for sharing experiences between world megacities. The program consisted of 15 sessions divided into 3 tracks: "Smart City's Infrastructure and Technologies", "Smart City for Smart Living" and "Smart City's Sustainability". The experts told about using digital solutions in transport, urban development, and other topics. Special sessions were dedicated to 5G network piloting, using AI and Big Data. Best practices and ecosystem approach for

urban digitalization were discussed at the plenary session. Moscow Mayor Sergei Sobyanin told about implementing technologies in Moscow and creating digital platforms for citizens. Mayor of Beijing Chen Jining, Mayor of Almaty Bakhytzhan Sagintayev, and Mayor of Fort Lauderdale Dean Trantalis also shared their experience. 86 speakers from Russia, China, Switzerland, and other countries participated. 193 thousand people watched streams of panel discussions and sessions.

The Project stimulates the development of the IT sector in cities and helps use technologies more efficiently to improve the quality of life for citizens. This is the quality impact of the Forum on the economy and social sphere, and it will be possible to evaluate this effect in numbers in several years.

The project contributes to WSIS Action Lines: **1, 2, 11**

The project is relevant to **SDG9, SDG11, SDG17**

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.

ITU announces an official call for updates and new entries and urges these stakeholders, along with all Member States, international organizations, the private sector and civil society, to continue submitting such contributions in the future as WSIS pursues the ongoing stocktaking process. We trust that readers will find this report insightful, and sincerely hope that it will inspire them to participate in the construction of a broader and more inclusive information society for all.