



ITU Regional Development Forum for Europe (RDF-EUR)
Information and Communication Technologies for Attaining
Sustainable Development Goals
Monday 6 May 2019 | Rome, Italy

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Regional Regulatory and Economic Dialogue (RED) on Telecommunications/ICTs for Europe

☑ **EUR3: Accessibility, affordability and skills development for all to ensure digital inclusion and sustainable development**

☑ **2019**

Project goals is exchanging knowledge and sharing good practices on economic, financial and regulatory mechanisms in the telecommunication/ICT industry, especially in broadband environment, 5G and digital services.

This Forum would be addressed to representatives of ministries, regulators, telecommunication operators, universities and general education institutions, telecommunication equipment manufacturers, research and design institutes, software developers and other interested stakeholders of the ITU Member States, Sector Members and Associates from Europe.

In particular, **the Forum will cover following issues:**

- Economic and financial issues in a converged broadband environment
- The economic impact of 5G
- Fiscal Policies and Practices for digital services
- Advances of regulatory costing and pricing strategies in the Digital Economy
- Strategic aspects of the formation of an effective regulatory mechanism in the telecommunication/ICT industry
- Normative and legal provision of prices and tariffs regulation in telecommunications/ICT
- Organizational and procedural aspects of regulation of prices and tariffs in telecommunications / ICT
- The main problems and ways to overcome them in setting the tariffs for regulated telecommunication services (universal services, connection services and use of RFR)
- Features of determining and setting tariffs for unregulated telecommunication/ICT services

Regional Regulatory and Economic Dialogue (RED) on Telecommunications/ICTs for Europe

Activities:

- analysis of reports from previous workshops and forums, analysis of ITU Telecommunication Development Sector activities in the areas of forum sessions, search for moderators and rapporteurs among leading experts in this field;
- holding the roundtable discussions “New business models & key aspects of expanding cooperation in the field of formation of an effective mechanism for tariffing in telecommunications/ICT”
- simultaneous interpretation in English and other European languages;
- providing the media coverage: communication with the media , interviews and reportages in the media;
- live broadcasting of the Forum on the Internet;
- organizing the cloud storage of presentations and photos with 24/7 access.

Experience:

Over the last 10 years there have been more than 20 international workshops which were attended by over 900 representatives from 45 countries.

On October, 24-26, 2012 ITU in collaboration with A.S. Popov Odessa National Academy of Telecommunications (ONAT, Ukraine) organized the ITU Regional Workshop for CIS “Prices and tariffs in telecommunications / ICT”. The participants of the Workshop expressed their sincere gratitude to the moderators and speakers for the relevance of the Workshop and noted the practical importance of the presented reports.



Development of a complex of electronic tools, resources and technologies to motivate graduates to choose professions in the field of Telecommunication/ICT

☑ EUR3: Accessibility, affordability and skills development for all to ensure digital inclusion and sustainable development

☑ 2020

The goal of this proposal is to develop regional and in-country capacity through relevant web accessibility training and the formation of a qualitatively new educational environment, create pedagogical and scientific-technical conditions for the realization of intellectual potential, the early profiling of school education, the professional orientation of children in the field of IT, and their acquisition of qualitatively new relevant knowledge.

The complex of electronic tools is proposed to contain:

- multimedia course "Introduction to the ICT specialty for applicants and their parents";
- a series of career-oriented videos to motivate applicants, attract youth to the profession related to ICT, including motivating them to apply to technical colleges for ICT specializations;
- information and education web-portal for the assistance and support of the work of the professional orientator in the field of ICT with the functions of: remote diagnostics and testing of students; electronic assistant in the professional self-determination of graduates; help and career consulting for students and parents, not only in choosing profession in the field of ICT, but also in choosing a learning profile in high school; organization of pre-profile training, acquaintance with engineering and modern IT-technologies.

Training the specialists for working in specialized international organizations and multinational corporations



Microsoft



International certification programs of leading manufacturers and software developers as part of the learning process



Young scientists and students research work



Young scientists and students regularly take an active part in carrying out the research work which has done on orders of domestic and foreign companies. This step provides fruitful ground for regular victories in various competitions of scientific works for students



Students practice

Academy was included into the Register of telecommunications operators and providers of Ukraine.

O.S. Popov ONAT is a licensee in providing of local fixed telephone services, provision of maintenance and operation of telecommunication networks services. The Academy has its own autonomous system, two IPv4 (/24) networks, IPv6 (/48) network and its own numeric resource.



Development of a complex of electronic tools, resources and technologies to motivate graduates to choose professions in the field of Telecommunication/ICT

The implementation of project includes:

- Development of scenarios for a series of career-oriented videos, the concept and the structure of the information and education web portal, as well as the textual content of the multimedia course "Introduction to the ICT specialty for applicants and their parents"
- Development of multimedia content (including vocalization and preparation of video content) for the multimedia course and series of career-oriented videos
- Software implementation and design of the multimedia course, as well as of an information and education web portal
- Installation and testing of software, domain registration, maintenance and technical support of the server platform and the software products (course and web-portal) themselves.
- Communication (ensuring continuous (24/7) high-speed access to the server from the Internet), as well as paying for utilities and maintenance of the required infrastructure.

Activities:

- Training and testing of at least 2 000 students from various European countries.
- Organization of workshops and presentations of the project execution results at various events of the region, as well as at the meetings of the Development Sector study groups.

Regional forum for Europe “Using e-education for training ICT professionals”

☑ EUR3: Accessibility, affordability and skills development for all to ensure digital inclusion and sustainable development

☑ 2020

Project goal is exchanging knowledge and sharing good practices on ICT accessibility products and services for persons with disabilities and specific needs, through meetings and workshops.

This Forum would be addressed to representatives of ministries, regulators, telecommunication operators, universities and general education institutions, telecommunication equipment manufacturers, research and design institutes, software developers and other interested stakeholders of the ITU Member States, Sector Members and Associates from Europe.

In particular, **the Forum will cover following issues:**

- e-education: state role of ICT in education;
- Legal regulation of e-education;
- Technical aspects of e-education and training ICT professionals;
- Organizational aspects of e-education and training ICT professionals;
- Using e-education for people with disabilities;
- Peculiarities of training ICT in pre-schoolers education;
- International partnership in the field of e-education and training ICT professionals;
- Security organization while implementing e-education, students online protection;
- Capacity building in ICT through teachers advanced training;
- Impact of telecommunications / ICT on the health of students when using e-education.

Regional forum for Europe “Using e-education for training ICT professionals”

Activities:

- analysis of reports from previous workshops and forums, analysis of ITU Telecommunication Development Sector activities in the areas of forum sessions, search for moderators and rapporteurs among leading experts in this field;
- holding the roundtable discussions “The role of e-education in training ICT professionals”;
- simultaneous interpretation in English and other European languages;
- providing the media coverage: communication with the media , interviews and reportages in the media;
- organizing the cloud storage of presentations and photos with 24/7 access;
- live broadcasting of the Forum on the Internet.

Experience:

Over the last 10 years there have been more than 20 international workshops which were attended by over 900 representatives from 45 countries.

On April, 17-19, 2013 ITU in collaboration with A.S. Popov Odessa National Academy of Telecommunications (ONAT, Ukraine) organized the ITU International Workshop “Strategic aspects of ICT use in education”.

Then on April 12-14, 2017 in A.S. Popov ONAT the ITU Regional Workshop for Europe and CIS «Strengthening Capacity Building in the field of Telecommunications/ICT» has been held.



Development of a multimedia distance-learning course on improving digital literacy for adults

☑ **EUR3: Accessibility, affordability and skills development for all to ensure digital inclusion and sustainable development**

☑ **2021**

Project goal is promoting digital literacy and developing regional and in-country capacity through relevant web accessibility training; the assessment of adults preparedness; organization of the testing process for adults; the issuance of certificates that can be taken into account by enterprise managers when employing adults.

The project proposes to:

- develop scenarios, the concept, the structure as well as the textual content of a multimedia distance-learning course on improving digital literacy for adults
- develop of multimedia content (including vocalization and preparation of video content) for the multimedia distance-learning course on improving digital literacy for adults
- implement software and design of the multimedia distance-learning course on improving digital literacy for adults
- install and test of software, provide domain registration, maintenance and technical support of the server platform and the course itself
- provide (ensuring continuous (24/7) high-speed access to the server from the Internet), as well as paying for utilities and maintenance of the required infrastructure
- issue certificates that can be taken into account by enterprise managers.

Activities:

- Training and testing of at least 2 000 students from various European countries.
- Organization of workshops and presentations of the project execution results at various events of the region, as well as at the meetings of the Development Sector study groups.

Translating multimedia distance-learning course on the safe use of Internet resources (Onlinesafety.info) into English and other European languages

☑ EUR4: Enhancing trust and confidence in the use of information and communication technologies

☑ 2020

Project goals are: providing regional platforms and tools for building human capacities (awareness and expert training) to enhance trust and confidence in the children use of ICTs; sharing country and regional best practices and case studies and conducting surveys on enhancing confidence and trust in the children use of ICTs; the assessment of teachers and parents preparedness; organization of the testing process for children, parents, teachers, law enforcement representatives, network administrators, etc.; the issuance of certificates that can be taken into account by enterprise managers (school principals, university rectors, etc.) when employing a teacher, a network administrator, etc., as well as by parents when making decisions on the child's access to the Internet, etc.).

At the World Telecommunication Development Conference (Dubai, UAE) in 2014 the regional initiative “Creating a child online protection centre for the CIS region” was approved. In the framework of this initiative the multimedia distance-learning course on the safe use of Internet resources (Onlinesafety.info) was prepared by the ITU Telecommunication Development Bureau with the support of the A.S. Popov Odessa National Academy of Telecommunications (Ukraine).

Translating multimedia distance-learning course on the safe use of Internet resources (Onlinesafety.info) into English and other European languages

The whole course is divided into three parts: Basic (for children of preschool and primary school age); Medium (for children in grades 5–9); Advanced (for high school students, students, parents and teachers), and each part is divided into thematic modules with tests after them.

225 interactive
slides

more than 150 images

13 multimedia
clips

11 interactive
games

Translating multimedia distance-learning course on the safe use of Internet resources (Onlinesafety.info) into English and other European languages



Translating multimedia distance-learning course on the safe use of Internet resources (Onlinesafety.info) into English and other European languages

about **13750** certificates
were issued

more
than **30000** users over
the world



In 2017 this course became the WSIS Prizes 2017 Winner in Action Line C5 Building confidence & security in the use of ICTs.

Translating multimedia distance-learning course on the safe use of Internet resources (Onlinesafety.info) into English and other European languages

The project proposes to:

- to translate the text part of the Onlinesafety.info courses into English and other European languages;
- to update the multimedia component of the courses (animations, drawings, photos, voice-over);
- to update the software platform of the courses (to update the design of material in new languages, to update the interface);
- to provide (ensuring continuous (24/7) high-speed access to the server from the Internet) and maintenance of the required infrastructure ;
- to develop cut offline versions of the course for lectures and performances for the purpose of its further popularization by the higher education institutions of telecommunication orientation.

Activities:

- training and testing of near 100 000 students from various European countries.
- holding a series of events (workshops, trainings, lectures, performances) aimed at popularizing courses in Europe region.

Regional forum for Europe “Best practices on Cybersecurity and Child Online Protection”

☑ EUR4: Enhancing trust and confidence in the use of information and communication technologies

☑ 2020

Project goals are: sharing country and regional best practices and case studies and conducting surveys on cybersecurity and child online protection; providing regional platforms and tools for building human capacities (awareness and expert training) in cybersecurity and child online protection to enhance trust and confidence in the use of ICTs.

This Forum would be addressed to representatives of ministries, regulators, telecommunication operators, universities and general education institutions, telecommunication equipment manufacturers, research and design institutes, software developers and other interested stakeholders of the ITU Member States, Sector Members and Associates from Europe.

In particular, the Forum will cover following issues:

- Role of governments and international organizations in cybersecurity and child online protection;
- Developing national cybersecurity strategies;
- Policy and regulatory framework for child online protection;
- Organizational and technical tools for cybersecurity;
- Organizational and technical tools for child online protection;
- Capacity building in the field of cybersecurity and child online protection;
- Measuring Cybersecurity: ITU Global Cybersecurity Index (GCI).

Regional forum for Europe “Best practices on Cybersecurity and Child Online Protection”

Activities:

- analysis of reports from previous workshops and forums, analysis of ITU Telecommunication Development Sector activities in the areas of forum sessions, search for moderators and rapporteurs among leading experts in this field;
- holding the roundtable discussions “The future of cybersecurity and child online protection”;
- simultaneous interpretation in English and other European languages;
- providing the media coverage: communication with the media , interviews and reportages in the media;
- organizing the cloud storage of presentations and photos with 24/7 access
- live broadcasting of the Forum on the Internet.

Experience:

Over the last 10 years there have been more than 20 international workshops which were attended by over 900 representatives from 45 countries.

On June 15-17, 2016 ITU in collaboration with A.S. Popov Odessa National Academy of Telecommunications (ONAT, Ukraine) organized ITU Regional Workshop for the CIS countries and Georgia “Complex Aspects of Cybersecurity in Infocommunications” Than on April 4-6, 2018 in A.S. Popov ONAT the ITU Regional Workshop for Europe and CIS on Cybersecurity and Child Online Protection has been held.





Thank you!

<http://www.onat.edu.ua>

