

THE ITU OFFICE FOR EUROPE

2019-2020 ACTIONS ACROSS EUROPE



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General actions spanning all regional initiatives in Europe

1. ITU Regional Development Forum for Europe, Rome, Italy



ITU Regional Development Forum for Europe (RDF-EUR) was hosted by the Ministry of Economic Development of Italy. The Forum took place in Rome, Italy, on 6 May 2019 and was held back to back with the meeting of the Com ITU of CEPT (7-9 May 2019). RDF provided an opportunity for high-level dialogue between the ITU and European decision-makers of ITU Member States and Sector Members as well as other stakeholders. The meeting resulted in establishment of the plan of action for the region addressing the expected results of the ITU Regional Initiatives. For more information including the final report, please visit the [RDF website](#).

2. United National Regional Forum on Sustainable Development for UNECE Region, Geneva, Switzerland

REGIONAL FORUM ON SUSTAINABLE DEVELOPMENT FOR THE UNECE REGION GENEVA | 21-22 March 2019

As the UN Agency for ICTs, the ITU continues to advocate for the enabling role of the ICTs for achieving SDGs. In this context, a special Focus Event of the

Regional Forum focused on Technology, Digitalization, Artificial Intelligence – Curse or Blessing for Sustainable Development? (Friday, 22 March 2019). This event was organised by the ITU Office for Europe. The outcomes of this event are an integral part of the the report submitted to the HLPF highlighting importance of ICT4SDG. Moreover, ITU contributed to a series of round tables on SDG4, SDG8, SDG10, SDG13, and SDG16, stressing importance of ICT for achievement of SDGs. The ITU stand was visited by over 450 stakenoders who were provided information on the ITU Regional Initiatives and ITU activities of all three sectors. More information is available on the [event page](#).



3. United Nations Regional Coordination Mechanism for Europe and Central Asia



ITU Office for Europe takes a proactive part in the regional UN system coordination mechanism, including its regular face to face, remote coordination meetings and online consultations. Strengthened coordination is of particular importance in times of ongoing reform of the UN development system. In 2019, the first UN System Coordination meeting was held from 20 to 21 May 2019 in Istanbul, Turkey.

The second meeting of the UN system is scheduled from 20 to 21 September 2019, in Istanbul, Turkey, to reach out to the UN Resident Coordinators for Europe and Central Asia. It will be followed by the Regional UN System Meeting scheduled for 10-11 December 2019, Vienna, Austria.



With the aim of strengthening regional cooperation, a special UN session on Accelerating Achievement of Sustainable Development Goals in Europe is being organized by the ITU Office for Europe, on 11 September 2019 at the Telecom World, Budapest, Hungary. Understanding and exchanging common and best practices in the UN system is a key to accelerating achievement of the Sustainable Development Goals (SDGs). This meeting aims at enhancing knowledge on the issues faced and good practices in place by UN institutions in delivering the SDGs through ICTs. The meeting resulted in the proposal of creation of the UN Issues Based Coalition for Europe and Central Asia on ICT4SDG.



The third meeting of the UN system was held from 10 to 11 December 2019 in Vienna, Austria. Meeting was hosted by the IOM. Meeting resulted in agreeing on establishment of the Regional UN Group on Digital Transformation for Europe and Central Asia, aiming at facilitating coordination of actions undertaken by UN system in field of ICT4SDG. Group will be led by ITU.

REGIONAL INITIATIVES for EUROPE

The five Europe regional initiatives contained in the Buenos Aires Action Plan of the World Telecommunication Development Conference 2017 (WTDC-17) set the road map that ITU Europe follows. They provide all stakeholders with a path for the development of ICTs, in agreement with governments. Improvement of broadband infrastructure, citizen-centric digitization, digital inclusion and accessibility, cybersecurity, and innovation are the five priority areas agreed by the region and on which ITU focuses. The following presents the actions implemented under the each of the regional initiative.

EUR1: Broadband infrastructure, broadcasting and spectrum management

Objective: To facilitate high-speed connectivity with resilient and synergistic infrastructure development, deployment and sharing, whilst ensuring a trusted and quality user experience.

1.1 The 3rd Annual CIS and CEE Spectrum Management Conference and ITU Workshop “How to achieve interference free communication at the current technological stage”, Minsk, Belarus



Jointly organized by the ITU and Forum Global and supported by the Ministry of Communication and Informatization of the Republic of Belarus, the Conference was followed by the ITU Workshop “How to achieve interference free communication at the current technological stage”. The conference was attended by over 200 participants from communication administrations, regulators, operators, vendors, research and development institutions and private sector from 30 countries, including representatives from South-East Europe. The conference [outcome report](#), available on the [event page](#), highlighted amongst other, the following needs:

- to implement radio technologies that enable development of 5G/IMT-2020, IoT/M2M and ITS, taking into account the need to harmonize spectrum and ensure cross-border coordination
- to balance of interests between ensuring required quality of digital services provided to citizens and economic efficiency

- to continue to develop methods and criteria of integral assessment of efficiency of spectrum

The ITU workshop was attended by over 60 participants from communication administrations, regulators, operators, vendors, research and development institutions and private sector from 15 countries, as further detailed in the [workshop report](#).

1.2 Workshop for Europe and CIS “ICT Infrastructure as a Basis for Digital Economy”, Kiev, Ukraine



The workshop was hosted by the State University of Telecommunications of the Ministry of Education and Science of Ukraine. 27 presentations were delivered in the workshop which was attended by 120 participants from 7 countries. The workshop focused on the following issues: ICT infrastructure as a basis for digital transformation; National strategies for 5G implementation; Spectrum requirements and case studies on 5G pilot projects; Application technologies of the near future (Internet of things, machine learning, intelligent transport networks, robotics, blockchain) and Cybersecurity challenges. An [outcome report](#) is available on the [event webpage](#) and on ITU Europe Office’s publication page. Collaboration between the ITU and Ukraine would continue and be ongoing and there would be a focus on capacity building, as needed. It was agreed that the workshop would take place again next year in 2020.

1.3 Workshop on the Future of Television in Europe, Geneva, Switzerland



This workshop was jointly organized by the three Sectors of the ITU (Radiocommunication: ITU-R; Standardization: ITU-T; and Development: ITU-D) and focused on the diverse emerging

broadband and broadcast technologies, including cable TV. Over 90 participants from 30 countries took part in the workshop including representatives of national regulators from the ITU Europe region, the European Commission, the European Broadcasting Union and European Telecommunications Satellite Organisation. Attendees also benefitted from 20 presentations and an exhibition about the latest video-related technologies. An [outcome report](#) is available on the [event webpage](#) where interviews of four key speakers can be accessed, and on the ITU Europe Office's publication page.

The outcomes of the workshop advance implementation of the European Regional Initiative aiming at assisting countries in need of Cable TV related matters, and bridge the requirements and needs of the various countries with the standards community. Outcomes were submitted to the workflow of several ITU study groups including: ITU-T Study Group 9: Broadband Cable and TV; ITU-D Study Group 1: Enabling environment for the development of telecommunications and ICTs; ITU-D Study Group 2: ICT Services and Applications for the Promotion of Sustainable Development; and ITU-R Study Group 6: Broadcasting Service. It is to be noted that discussions held in session 3 on making television accessible will be followed up in Accessible Europe 2019.

1.4 Seminar on Radiocommunication matters for Europe, Tirana, Albania



The Seminar was jointly organised by the Radiocommunication Bureau (BR), Telecommunication Development Bureau (BDT) and facilitated by the ITU Office for Europe. It was hosted by the Ministry of Infrastructure and Energy of Albania with the support of the Regional Cooperation Council (RCC). The Seminar covered aspects of Spectrum Management, the Master International Frequency Register, Radio Regulations modifications and WRC-19 preparations, as well as hand on training BR tools. The last day was devoted to a forum on *"5G Ecosystem: Challenges and Opportunities for Europe"*, with the aim of sharing national experiences from the region." A side meeting of RCC members countries was held with presentations from ITU (BDT and BR) experts. 70 representatives from 12 countries attended this event. The event equipped attendees with knowledge for better

preparing their respective country's or organisation's contribution and position for WRC-19. It was agreed that a subregional group for cross-border coordination of spectrum will be established for the Western Balkans and ITU will provide content support to the work of this group. More information can be accessed from the [event page](#).

1.5 Workshop for Europe on Mapping of Terrestrial Broadband Infrastructure and Services, Warsaw, Poland



The workshop was hosted by the Office of Electronic Communications (UKE) of the Republic of Poland. It provided an opportunity for European public institutions, that are in charge of mapping of terrestrial broadband infrastructure, to share good practices, discuss challenges related to the emerging technologies, examine possible harmonization of approaches across the region, and facilitate creation of possible new features of mapping tools including the investment opportunities layer. 50 participants from 20 countries attended the workshop and benefitted from 22 presentations from eminent speakers. An [outcome report](#) is available on the [event webpage](#) and on ITU Europe Office's publication page. The ITU interactive mapping tool was recognized as a good platform to gather and display broadband infrastructure data at global, regional and country level. Priority actions agreed in the workshop and currently under implementation are:

- strengthening of the European dataset of the abovementioned mapping tool through agreements between ITU and Europe region member states;
- gap analysis across the region on the mapping systems;
- special project providing country assistance focusing on the establishment of the national mapping systems.

1.6 National Plan for Broadband Development 2020-2025 in Albania

Following a request of Albania, as captured in ITU EUR RDF 2019, ITU Office for Europe provided assistance in the development of the National Plan for Broadband Development 2020-2025 for Albania. Assistance consisting of series of field missions, workshops, interviews with national stakeholders is still under way. The final report will be delivered by March 2020 concluding with a validation workshop has been planned for 31 March 2020.

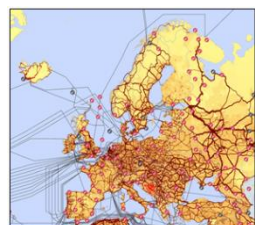


1.7 Special Policy Paper on the ICT Infrastructure Development and Investment, North Macedonia



Following a request of North Macedonia, as captured in ITU EUR RDF 2019, ITU Office for Europe deployed an expert to undertake a study on the ICT Infrastructure and investment in North Macedonia. Assistance consists of desktop research, field missions, workshop, interviews with national stakeholders. A [brochure](#) on investing in Macedonia has been completed. , in this context. and the final report is at publishing stage expected for end of February 2020.

1.8 ITU Interactive Transmission Maps signing of agreements with countries



Additional dataset on broadband infrastructure in European countries is being added to the global ITU Interactive Transmission Maps. In follow up to the recommendations of the Workshop for Europe on Mapping of Terrestrial Broadband Infrastructure and Services held in Warsaw (see item 1.5), a special invitation to partner together with draft letters of agreement was send end July 2019 to 45 members of the ITU EUR Membership. Follow up with focal points ongoing. Bosnia and Herzegovina has signed the agreement.

1.9 Memorandum of Understanding between BEREC and ITU



With the aim of strengthening collaboration with all European stakeholders, the MoU has been prepared and is currently under consideration at the ITU and BEREC level. The overall aim is to seek synergies in actions in the area of electronic communications to bring the benefits of ICTs to people with a focus on ITU Europe region. The memorandum was signed on 3 October 2019 at the 40th Ordinary Meeting of the BEREC Board of Regulators.

1.10 Memorandum of Understanding between EAPREG and ITU

With the aim of strengthening collaboration with all European stakeholders, the MoU has been prepared and is currently under consideration at the ITU and EAPREG (Eastern Partnership Electronic Communications Regulators Network). The overall aim is to undertake joint actions in the area of electronic communications to bring the benefits of ICTs to people with a focus on ITU Europe region.



1.11 Memorandum of Understanding between Regional Cooperation Council and ITU

With the aim of strengthening collaboration between ITU and RCC with focus on Western Balkans, the MoU has been prepared is currently under consideration at the ITU and RCC levels. The overall aim is to undertake joint actions in the area of electronic communications to bring the benefits of ICTs to people in Western Balkans.



1.12 Investing in the Digital Future: Towards Gigabit Infrastructure and Society – Telecom World Session, Budapest, Hungary



Investment in ICT infrastructure, such as broadband rollout, is a vital step to promote sustainable development, social integration and the development of gigabit society. An enabling environment is a key determinant of investment dynamics. To address this issues a special session was held on 10 September 2019 during the TELECOM World. It provided a unique opportunity for dialogue and discussion of high-level representatives from public and private sectors, development banks, regional and international organizations. This workshop unveiled case studies from Europe region. Further collaboration with ETNO will be pursued as agreed after the workshop, and a visit of ETNO delegation to ITU is expected in November. More information is on the [event page](#).

1.13 Regional Regulatory Forum for Europe on “Future Regulation for Inclusive Connectivity”, Budva, Montenegro



The Forum was hosted by the Agency for Electronic Communications and Postal Services of Montenegro (EKIP) as part of activities of Infofest 2019 - the annual Festival of ICT Achievements of countries in the region. This event provided a unique opportunity for high-level dialogue between stakeholders on strategies and policies directed towards broadband development in the region, while discussing the challenges and opportunities offered by resilient high speed networks couple with regulatory actions that are flexible and collaborative. The expected outcome included particular actions to assist countries in need on regulatory matters. Topics covered this year included trends in ICT policy & regulation, national broadband and 5G plans and strategies fostering the development of gigabit society, economic policies and innovative business models for inclusive connectivity and new regulatory tools aiming at even more effective delivery by regulatory authorities, including spectrum monitoring, mapping of infrastructure, quality of service measurement. More information including an [outcome report is](#) on the [event page](#).

1.14 Regional Economic Dialogue on ICTs for Europe and CIS (RED-2019), Odessa, Ukraine



RED 2019 was hosted by A.S. Popov Odessa National Academy of Telecommunications (ONAT) of the Ministry of Education and Science of Ukraine. The event focused on economic implications of future technologies and their applications to attain the Sustainable Development Goals (SDGs) and the advances of regulatory costing and pricing

strategies and business models in the digital economy. RED-2019 benefited from the presence of international experts involved in the work of Question 4/1 of ITU-D Study Group 1 (Economic policies and methods of determining the costs of services related to national telecommunication/ICT networks) and of ITU-T Study Group 3 (Tariff and accounting principles) including related telecommunication economic and policy issues. An [outcome report](#) as well as a contribution to ITU-SG4/1 on **Costing and Pricing Methodologies in the Digital Economy**, have been prepared. More information is on the [event page](#).



1.15 5G Techritory for Baltic States Region, Riga, Latvia



The 2nd Annual Baltic Sea Region 5G Ecosystem Forum “5G Techritory” **was** organized by the Electronic Communication Office of Latvia in close cooperation with the Office of the Prime Minister of the Republic of Latvia, the Nordic Council of Ministers, 5G Automotive Association (5GAA) and the International Telecommunication Union. The meeting provided an opportunity to present the outcomes of WRC in context of 5G as well as extensive work done by ITU in field of 5G and Smart Cities. More information is on the [event page](#).

1.16 Regional Initiative Project: Supporting of Investment Opportunity Mapping Systems in Broadband Infrastructure for South Eastern Europe



A joint initiative of ITU, World Bank, European Investment Bank and supported by Office of Electronic Communications (UKE) has been launched. The objective of the project is to assist countries in establishing new or improving existing mapping systems for ICT infrastructure and services as well as reviewing enabling environment to ensure the sustainability of the mapping process, taking into account requirements from regional harmonization efforts carried out by the European Union and BEREC. The project document aiming at assisting 9 countries of South Eastern Europe has been developed and financing

partner (Broadband Foundation, Hungary) identified. Implementation of the project is planned for years 2020-2022. Overall budget of the project amounts 500K USD.

1.17 Digital Summit 2020 for Western Balkans, Tirana, Albania



In course of preparations towards the Digital Summit for Western Balkans, ITU Office for Europe proactively participated in the preparatory meetings for the 2020 edition of the Summit, while strengthening cooperation with the Western Balkan economies. 2020 Summit will be held in Tirana, 2-3 April 2020 and will offer an opportunity to discuss digital integration at the regional level.

EUR2: A citizen-centric approach to building services for national administrations

Objective: To facilitate the development of transformative and paperless citizen-centric services that could be accessible and available to all members of society.

2.1 Workshop on Enhancing Human Life Using e-Services, Geneva



As a joint BDT and TSB action, this workshop focused on how e-services can enhance our lifestyles, and how it can improve life outcomes in our increasingly digital lives, by addressing technologies including artificial intelligence for areas such as health and agriculture as well as standardization challenges in ICT accessibility and for procurement of accessible ICT services and products. 13 presentations were made by eminent speakers. An [outcome report](#) is available on the [event web page](#). A [discussion paper](#) on “Standards in the procurement of accessible ICT products and services” was presented, submitted for comments and rebranded as one of backgrounders for Accessible Europe 2019.

2.2 Workshop for Europe and CIS on Using ICT for Saving Lives, Odessa



Hosted by A.S. Popov Odessa National Academy of Telecommunications (ONAT) of the Ministry of Education and Science of Ukraine, this joint ITU Europe and CIS region workshop provided a platform to share cross regional experiences and expertise. The following aspects were extensively discussed: Strategic aspects and international cooperation on emergency

telecommunications and disaster response; Best practices of using information and communication technologies (ICT) to save lives

ICT-based solutions used in emergency situations; Technical, legal and organizational aspects of telemedicine; and Using ICT to prevent climate change. The 39 participants from 10 countries had the opportunity to listen to 21 presentations. An outcome report is available on the [event webpage](#) and on ITU Europe Office's publication page. The report conclusions highlighted, amongst other:

- the need to develop and implement a regulatory framework for the use of information technologies in disaster management
- the feasibility of developing typical design solutions for building networks of law enforcement agencies and emergency services
- the importance of developing strategies for the use of digital radio networks in the interests of law enforcement and emergency medical services

2.3 ITU-FAO Cooperation on Digital Agriculture Strategy - Telecom World Session, Budapest, Hungary



Digital agriculture is the use of new and advanced technologies, integrated into one system, to enable farmers and other stakeholders within the agriculture value chain to improve food production. ITU and FAO Regional Offices partner with the aim of assisting countries in the development of their digital agriculture strategies. Stocktaking exercise was launched in the Europe region that will facilitate identification of existing gaps. A special

session organised by FAO Regional Office for Europe and Central Asia and ITU Office for Europe, on 11 September 2019, provided an unique opportunity for dialogue and discussion of ministries/regulators and other relevant stakeholders active in the e-agriculture domain, focusing on sharing best practices and case studies, highlighting gaps and identifying sustainable funding models to support e-agriculture. It created a platform to strengthen national, international and cross-sectoral cooperation in e-agriculture strategies and cross-border regulation systems. More information is on the [event page](#). In follow up to the session a joint ITU-FAO study on the National Strategies for Digital Agriculture is under development. Final version of the study will be launched in Q1/2020.

2.4 Knowledge Exchange on “Fostering Start-ups Ecosystem”, Prague, Czech Republic



In line with the contribution of the Czech Republic at the ITU EUR RDF 2019, on 11 December 2019, ITU and the Ministry of Industry and Trade of Czech Republic organize special knowledge exchange on “Artificial Intelligence: Support and Development of Technological Start-Ups”. This action provided an opportunity for onsite and remote stakeholders to learn and discuss a series of case studies presented by successful start-ups focusing on the Artificial Intelligence. Collected case studies will be used as input for a future publication. More information is on the [event page](#) in due course.

2.5 WHO – ITU m-Health Hub in EU

In line with the contribution of the World Health Organization (WHO) at ITU EUR RDF 2019, the ITU Office for Europe region participating in the implementation of the three years project “WHO – ITU mHealth Hub in EU” that will support countries in implementing large-scale use and integration of mHealth in the healthcare services. ITU Office for Europe will bring in, as needed, interested parties who wish to host workshops/events in line with the activities detailed in the project plan during implementation phase. The project is led by the ITU Digital Applications team. The project is funded by European Union (“EU”) through the Horizon 2020 program with a total funding of 3 million Euros. The European m-Health Hub is intended to serve as a mechanism to share success in mHealth across the European region and boost uptake of mHealth solutions amongst national governments. At a high level, the mHealth Hub will provide services in areas of operational research, training and education, identifying standards, regulatory and policy goals, and implementation support. It will have a dual focus on knowledge management & innovation, and on practical implementation.

A thorough solicitation process has been conducted by ITU Procurement (in collaboration with WHO) and a Consortium led the Andalusian Public Health Service (SSPA/FPS) has been selected for the establishment and management of the Hub. The Consortium consists of 20 partners from 12 European countries, representing both the public and private sector. SSPA is the healthcare provider to the whole population of Andalusia (8.5 million inhabitants). Work is ongoing and a physical operational meeting will be held on 18th February at ITU HQ premises with the consortium delegation, high level representatives of the Ministry of Health of Andalusia and WHO colleagues

2.6 9th ITU Green Standards Week, Valencia, Spain (Organized by TSB)



The ITU (TSB) together with the Ministry of Economy and Business and the Secretary of State for Digital Advancement and more than 25 partners organised the **ninth edition of the Green Standards Week**, which was hosted by the City of Valencia, from 1 to 4 October 2019 in Valencia, Spain. The Green Standards Week acts as a global platform where policymakers, field experts, city planners, regulators, standards experts, civil societies, and among others can come together to discuss the role of information communication technologies (ICTs) and frontier technologies in facilitating smart governance and smart sustainable cities. The event aimed to identify the standardization requirements that would accelerate the deployment of ICTs and frontier technologies and to raise awareness on the importance and opportunities that they bring in engineering innovative climate solutions, expediting the transition to smart sustainable cities and unlocking the potential of circular economy. ITU Office for Europe provided support to promote this event and engage ITU Europe membership. More information is available at the event [webpage](#).

2.7 The Forum on Environmental Efficiency for Artificial Intelligence and other Emerging Technologies, Vienna, Austria (Organized by TSB)

TSB, at the kind invitation of the Federal Ministry of Transport, Innovation and Technology, Republic of Austria, organised the **Forum on Environmental Efficiency for Artificial Intelligence and other Emerging Technologies** on 11 December 2019 from 14:00 to 17:00 hours, in Vienna, Austria. The following ITU events took place at the same venue.

- **12 December** : The First Meeting of the ITU-T Focus Group on Environmental Efficiency for Artificial Intelligence and other Emerging Technologies (FG-AI4EE).
- **13 December**: The Meeting of the Thematic Group on the United for Smart Sustainable City Index co-organized by the ITU, United Nations Economic Commission for Europe (UNECE) and the United Nations University (UNU).

The objective of the forum is to stimulate global dialogues on environmental efficiency for artificial intelligence and other emerging technologies. It provided a platform to explore common challenges, share ideas and present and discuss use cases, requirements, applications, interfaces, protocols, architectures, etc. The forum also provided an opportunity

for governments, academia and industry to consider the state-of-the-art artificial intelligence and emerging technologies and their potential to bring forward environmental benefits as well as potential human health and environmental safety concerns.

More information is available at the event [website](#).

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

Objective: To bridge the digital divide and equip all groups of society, including persons with disabilities and specific needs, to take advantage of ICT, by enabling capacity building in digital skills.

3.1 Self-paced Online Training on ICT Accessibility



The [free self-paced online course](#) on “ICT Accessibility: The Key to Inclusive Communication” developed and launched in September 2018, has been re-opened to run from January 2019 to December 2019. The course aims at developing good understanding of all stakeholders in the field of ICT accessibility, in particular focusing on related policies, regulations, technology trends and

public procurement rules. This course is open to EVERYONE. It is free and available in English only. Approximate time necessary for accomplishing all modules is eight hours concluding with a test on successful completion of which, a certificate is issued. More information is available on the ITU Europe Office web site. We encourage all readers of this CEPT report to take the course and to further promote it in all spheres.

3.2 ITU Forum on Innovative Digital Solutions for Accessible Europe - Zero project, Vienna



Two ITU Regional Initiatives for Europe namely on ICT Accessibility for PwD and on ICT Centric Innovation Ecosystems converge to address the concrete implementation of innovative ICT Accessibility solutions to ensure that access and use ICTs by PwDs, are the same as for other citizens in Europe region. This ITU session explored what is

needed to build an ecosystem supporting innovative ICT Accessibility solutions. It was designed to act as a combined interactive panel discussion and training session, sharing experiences and providing a deeper understanding of the challenges and opportunities in developing Accessible ICT solutions and the enabling innovation and entrepreneurial environment. The session was facilitated by the ITU Head of Innovation where attendees participated in a power training exercise based on ITU's toolkit for fostering growth for Start-ups, and had an overview of the

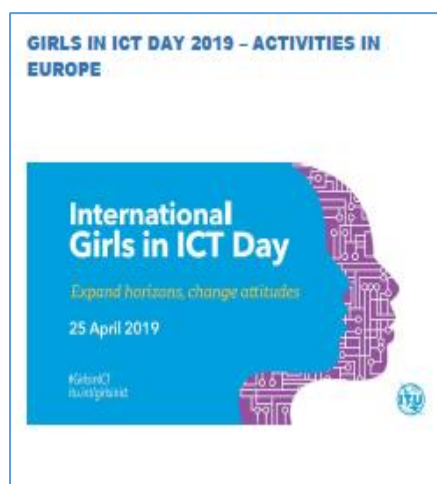
solutions of the winner and runners up of the 2018 Innovative Digital Solutions for an Accessible Europe competition (organized by ITU in collaboration with the European Commission). More information is on the [event page](#).

3.3 Celebration of the Girls in ICT Day 2019: ITU-COM-ITU in Rome, Italy and ITU-ONAT in Odessa, Ukraine



This global initiative, which is celebrated every fourth Thursday in April, has to date attracted over 357,000 girls and young women have already taken part in more than 11,100 celebrations of International Girls in ICT Day in 171 countries worldwide. Celebrations in Rome included presentations of role model girls from Italy and an interactive exercise with the representatives of European administrations on gender equality. In Odessa, the celebration was hosted by ONAT Academy and the Youth Online Consultation survey for the Council Working Group on Child Online Protection was administered (see 4.7). More information is on [the event page](#).

3.4 Europe Region report on Girls in ICT 2019



This is an annual report depicting all activities conducted to advance the agenda of Girls in ICT Day in the 46 countries in the ITU Europe region. The country focal points are sent a request to submit information and the report described 58 activities held in 27 countries where maximum number of activities was reported by Spain. The report is available on the [ITU Office for Europe publications webpage](#).

3.5 Belgrade Women's Cyber Forum 2019, Belgrade, Serbia



With the aim of engaging more women in the field of cybersecurity and promoting role models the ITU Office for Europe together with the Ministry of Transport, Tourism, and Telecommunication of Serbia, IEC, OSCE, Chamber of Commerce and Energy Pact co-organized a national event on Women's Cyber Forum 2019: Launching Careers In Cyber Space. The meeting took place on 19 September 2019 in Belgrade, Serbia. This collaboration was a pilot with the potential of replicating in other countries upon expression of interest. More information is available on the [event page](#).

3.6 Digital Youth Forum



Digital Youth Forum (DYF) is an event designed for youth, by youth and about youth on creative and innovative uses of new technologies and online safety. It addresses young people who are already aware they can change the world as well as those who need support in developing their potential. DYF consisted of three 90-minute long sessions with 5 presentations per sessions. Speakers are young people, who use new technologies in a creative and inspiring way. They shared their stories and ideas, introduce new ways of thinking, model overcoming of challenges. Exceptional adult speakers – leaders and doers whose experience and career path can be motivating for young people - are also invited. Over 400 teenagers and 50 professionals were present. The Youth Online Consultation survey (see 4.7) for the Council Working Group on Child Online Protection was administered. More information is available on the [event webpage](#).

3.7 Regional Study on ICT Empowered Gender Equality

The main objective of this study is to analyze and identify key factors and trends in the participation of girls and women in ICT sector in Western Balkan, Georgia, Moldova and Ukraine and its dynamics, and analyze the practices enabling women's participation in the digital world. Outcomes of the study will serve as the basis for possible technical assistance and joint undertaking of ITU, UN Women, UNICEF and UNDP. The report will be issued in 2020.

3.8 Accessible Europe 2019 Regional Forum



The second edition of “[Accessible Europe: ICT 4 All](#)” was held from 4 to 6 December 2019 in St. Julian’s, Malta. It was jointly organised by ITU, through the Telecommunication Development Bureau, and the European Commission (EC). The conference was hosted by the Parliamentary Secretariat for Persons with Disability & Active Ageing (PSDAA) in continuation of successful work of the 2018 edition held in Vienna, Austria.

The event provided an opportunity to address the key challenges currently in place in the ICT accessibility landscape in Europe with relevant European and international stakeholders, covering regulatory and policy frameworks as well as emerging trends in a variety of ICT accessibility related fields including notably, Artificial Intelligence¹, Universal Design, Procurement & Standards², and Audiovisual Media Services³, for which three background papers have also been elaborated respectively. Key topics covered by the workshop included:

1. International, Europe region and European Union vision. Targets, actions and key resources to support in ICT Accessibility;
2. Enabling environment for Accessible Europe. The concrete role of Regulation and its enforcement;
3. Artificial Intelligence for Accessibility;

¹ https://www.itu.int/en/ITU-D/Regional-Presence/Europe/Documents/Events/2019/Accessible%20Europe/1008_AI%20and%20ICT%20Accessibility_wbEA3_Final.pdf

² https://www.itu.int/en/ITU-D/Regional-Presence/Europe/Documents/Events/2019/Accessible%20Europe/1008_ICT%20Accessibility%20standards%20procurement%20FINAL.pdf

³ https://www.itu.int/en/ITU-D/Regional-Presence/Europe/Documents/Events/2019/Accessible%20Europe/191107_AVMS%20Accessibility%20in%20Europe%20%28Final%20edition%29.pdf

4. Fostering European digital innovation ecosystem for assistive technologies;
5. Accessibility in Education;
6. Advancing Implementation of Web Accessibility Across Europe;
7. Future of Accessible Audiovisual media services, TV and video programming;
8. Universal Design, Procurement and Standards,
9. Telecom relay services: Practical experiences, challenges and opportunities in Europe;
10. Knowledge Development for ICT Accessibility;
11. Partnership for Accessible Europe.

Over 240 participants from more than 30 countries took part in the conference including high level representatives of national regulators from the ITU Europe region, the Maltese Government, the European Commission, the UN CRPD Committee and the European Disability Forum.

More information is available on the [event page](#).

3.9 Publications on Accessibility

To sustain the dialogue on Accessibility in several ITU events and to ensure the information is focussed and channelled in relevant ITU workstreams, four backgrounders on Accessibility have been developed for review in specific sessions of Accessible Europe 2019. Each backgrounders is supported by a short video to be released as part of Accessible Europe 2019 promotional campaign. The four backgrounders are

- Procurement of Accessible ICTs and Services, initiated at the workshop on Enhancing Human Life Using e-Services
- Making Television Accessible, initiated at the workshop on the Future of Television in Europe (see 1.3)
- Artificial Intelligence and ICT Accessibility

The backgrounders will be restyled into papers that will be submitted in relevant ITU Study Groups and presented for further discussion in upcoming 2020 workshops.

3.10 Regional Contest for Europe on Digital Innovative Solutions for Accessible Europe



Following the success of the competition held Accessible Europe 2018, and with the aim of fostering the innovation ecosystem in ICT accessibility, a “Regional Competition for Europe: Innovative Digital Solutions for an Accessible Europe” was launched on 1 August 2019, with a deadline for submissions on 30 September 2019.

Shortlisted candidates will be selected on 1 November 2019 and Winners were announced on 4 December 2019 during “Accessible Europe: ICT 4 ALL”.

As part of the final phase of the Regional Competition for Accessible Europe, Nominated Candidates⁴ identified by the Evaluation Committee⁵ meeting held in Geneva on 24 and 25 October were invited on stage for a 3-minute pitching session before the audience. Presentations are available here: <https://www.itu.int/en/ITU-D/Regional-Presence/Europe/Pages/Events/2019/AE/Presentations.aspx>

Following the pitching session, all Nominated Candidates received a recognition for the achievement within the context of the Regional Competition for Accessible Europe. Furthermore, the winners for each category were announced and awarded with trophies, respectively for:

- Category 1: Persons who are deaf or hard of hearing: Signly
- Category 2: Persons with visual impairments: Waymap
- Category 3: Persons with speech impairments: IrisGo
- Category 4: Persons with cognitive and intellectual disabilities: VR Therapies
- Category 5: Persons with physical disabilities: Mirrorable



More information is available on the [event page](#).

3.11 Digital Innovative Solutions for Accessible Europe – stock taking exercise

With the aim of advancing the accessibility agenda across Europe, contributions were sought on current and future activities relating to ICT Accessibility in Europe region. 30 contributions were received and are available on the Accessible Europe website and we plan to build an information dissemination platform in 2020. More information is available on the [event page](#).

3.12 Collaboration with Malta on Accessibility

A letter of engagement has been signed by Malta and ITU in August 2019 in view of extending the collaboration that has started with the hosting of Accessible Europe 2019 to collaborate on further ICT Accessibility initiatives such as engaging with relevant ITU workstreams and Study Groups, undertaking joint actions and twinning projects.

3.13 Regional Initiative Project: Strengthening national and regional capacities on ICT accessibility through a National Program on web accessibility

This project was proposed at ITU EUR RDF 2018 and is listed in the ITU Europe Regional Initiatives Brochure 2018-2021. A draft 3 phased project document has been elaborated. A concept note has been submitted in June 2019 and is under review internally.

⁴ https://www.itu.int/en/ITU-D/Regional-Presence/Europe/Documents/Events/2019/Accessible%20Europe/%28final%29%20Accessible%20Europe_Regional%20Competition_Nominated%20Projects%20%28final%29.pdf

⁵ <https://www.itu.int/en/ITU-D/Regional-Presence/Europe/Pages/Events/2019/AE/Evaluation-Committee.aspx>

3.14 Regional Initiative Project: Coding bootcamps centres in the Mediterranean region

This project was proposed at ITU EUR RDF 2018 and is listed in the ITU Europe Regional Initiatives Brochure 2018-2021. An initial 3 phased draft project document was elaborated and aimed to address this skills gap by supporting the development and implementation of coding bootcamps and integrating bootcamp methodologies among existing educational and training programmes in the region. A concept note based on the project has been elaborated in May 2019.

3.15 Promotion of GARI database across Europe to enhance knowledge on accessibility features of mobile devices

This initiative was proposed at ITU EUR RDF 2019 by the Mobile Wireless Forum (MWF).



GARI (Global Accessibility Reporting Initiative)

database is a free repository of accessible ICT devices including all model and makes of mobile phones. It is of benefit to regulators, consumers and manufacturers. Through an ITU and MWF, GARI database promotion was done to all regulators in ITU Europe region so they can embed GARI as a free services in their website for use by consumers, operators and manufacturers. MWF provides, as needed, first level trouble shooting and training to embed the database. A presentation of the GARI database was made at Accessible Europe as well as ITU Regional Regulatory Forum 2019.

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

Objective: To support the deployment of resilient infrastructure and secure services allowing all citizens, especially children, to use ICTs in their daily lives with confidence.

4.1 Safer Internet Day 2019, Tirana



To commemorate the Safer Internet Day 2019, two activities were organised by the National Authority for Electronic Certification and Cyber Security (AKCESK) of Albania in collaboration with other entities including UNICEF and ITU. The “Young Advisers for Online

Safety” workshop aimed to further develop awareness of children and the public on the importance of safe navigation on the Internet and to sharing the experiences of “Young Advisers” during training part of the workshop. The “Sectoral engagement in the field of Online Safety” round table consisted of 2 sessions. The first session addressed the assessment of the current situation in the field of security in the country and the problems of the private sector for the identification of critical and important information infrastructures. The second session addressed the issues of online child safety related to the policies and measures followed by ISPs as well as the possibility of extension cross the country of the online child safety campaign. More information is on the [event page](#).

4.2 Vienna Cyber Security Week 2019



The third edition of Vienna Cyber Security Week themed “Protecting Critical Infrastructure” was co-organized by ITU with the Energypact Foundation as the lead coordinator. This five day conference brought together national and international stakeholders in critical infrastructure and in cyber security for conducting information exchange, confidence building and

enhancing awareness of the risks and state of practice for digital system protection. More information is on the [event page](#). The conference had four thematic thrusts:

- Diplomacy – exploring international and cross border issues for critical infrastructure protection (CIP) and cyber security

- Technology – discussing the growth of the digital world and implementation of digital systems and their protection
- Business – examining business risks, solutions, and opportunities in the digital world
- Science – presenting the current R&D in digital system security

4.3 Cyberdrill for Europe region, Bucharest, Romania



The event was organized at the kind invitation of the Ministry of Communications and Information Society of Romania and was held within the framework of the Romanian Presidency in the Council of the European Union. This capacity building exercise aimed to enhance the communication and incident response capabilities of the participating teams as well as to ensure a continued collective effort in mitigating cyber threats among the regions' national Computer Incident Response Teams (CIRTs) and Computer Security Incident Response Teams (CSIRTs). 220 participants from 13 countries attended this event. More information is on the [event page](#). The next Cyberdrill 2020 will be hosted by North Macedonia.

4.4 Workshop on National Cybersecurity Strategies for Western Balkans, Skopje, North Macedonia



The workshop organized by ITU at the kind invitation of the Ministry of Information Society and Administration and in collaboration with DCAF. After the workshop an assessment report will be prepared containing the key findings and recommendations on the way forward for the establishment/enhancement of the National Cybersecurity Strategy of each participating

economy. The workshop comprised of 17 training presentations and was attended by 39 participants representing 10 Member States. More information is on the [event page](#).

4.5 International Conference for Europe: Keeping Children and Young People Safe Online, Warsaw, Poland



The 13th International Conference "Keeping Children and Young People Safe Online" is organized by the Polish and German Safer Internet Centres, which has been working together within the European Commission's

Connecting Europe Facility Program. The co-organizer of the conference is the International Telecommunication Union. The main partner of the event was the Orange Foundation. The conference aims to raise awareness about the new challenges and opportunities in fighting online threats as well as to popularize best practices across different sectors. Consultations will be held with stakeholders from Germany Poland, UK and Ukraine with regards to upcoming Child Online Protection actions with ITU. More information is available on the [event page](#).

4.6 Executive Workshop on Good Practices in Child Online Protection, Warsaw, Poland



Back to back with the 13th International Conference "Keeping Children and Young People Safe Online" and at the kind invitation of the National Research Institute from Poland, NASK, the International Telecommunication Union (ITU) Office for

Europe is organizing a half-day workshop on Good Practices in Child Online Protection. The workshop was within the framework of the ITU European regional initiative on "Enhancing trust and confidence in the use of ICTs", adopted by WTDC-17 in Buenos Aires. Overall, the stocktaking touched on existing policies, regulations and laws as well as the strategies and initiatives in place in Poland, Germany, and UK to protect children online. In addition, reporting procedures, existing national research centers and current national and international partnerships were presented. More information is on the [event page](#).

4.7 Youth Online Consultation Survey

ITU Council Working Group (CWG) on Child Online Protection (COP), requested all regions to promote a Youth Online Survey of 12 questions on safe browsing, safe communication and reporting. The survey was administered at the Digital Youth Forum in Warsaw (see 3.6) and 248 responses were received. The survey was also conducted in Ukraine at Girls in ICT Day celebration (see 3.3) and 57 responses were received. The survey results were compiled/analysed by ITU Office for Europe and submitted to the [Council Working Group on Child Online Protection](#).

4.8 ITU-DCAF workshop for Western Balkan CIRTs, Budva, Montenegro



This one day workshop on "**Connecting and Building Capacities of the CIRT Community in Western Balkans**" was hosted by the Ministry of Public Administration of Montenegro and in collaboration with DCAF. It offered the opportunity to representatives of ten National CERTs and political representatives from Western Balkans countries to discuss and share practices on cybersecurity and build and strengthen European CERT community. In addition, it aimed to enhance the communication of the participants as well as to ensure a continued collective effort in mitigating cyber threats among the regions' national Computer Incident Response Teams (CIRTs) and Computer Security Incident Response Teams (CSIRTs). More information is on the [event page](#).

4.9 The Hague Summit Accountability in the Digital Age, Hague, The Netherlands



As per the contribution made by the Institute for Accountability in the Digital Age (IA4DA) at ITU EUR RDF 2019, ITU was a partner to the second The Hague Summit for Accountability in the Digital Age. This Summit focused on safeguarding the role of the internet as a tool for personal, professional, and social

engagement. It brought together a global multi-stakeholder community from national and local governments, international policy makers, civil society, NGOs, the ICT industry and platforms, as well as other relevant Organizations and institutes. More than 200 stakeholders participated in the meeting. The delegates conclusions and recommendations contribute to shaping a global path towards responsible policy. Other contributing partners include UNESCO, WEF, UNICRI and EC. More information is available at the event page.

4.10 Moldova Cybersecurity Week, Chisinau, Moldova



Moldova Cyber Week, held from 19 to 21 November 2019 in Chisinau was supported by ITU under the ITU Regional Initiative for Europe on Cybersecurity. It was held under the patronage of the Government of the Republic of Moldova and organized by the Information Technology and Cyber Security Service with the support of the Ministry of Foreign

Affairs and European Integration and Technical University of Moldova. This Forum brought together more than 200 stakeholders, including authorities, agencies and public institutions, representatives of business community, researchers, associative sector, diplomats and media. More information is available at the events [website](#). On the occasion of this event ITU kicked off talks for a technical assistance to the country on cybersecurity readiness assessment.

4.11 Cyber Shield 2019, Turkey



Cyber Shield 2019 was an international cyber security exercise co-organized by the Ministry of Transport and Infrastructure, and Information and Communications Technologies Authority of Turkey (ICTA), from 19 to 20 December 2019 in Ankara/Turkey. Cyber Shield 2019 was supported by International Telecommunication Union within the framework of the ITU Regional Initiative for Europe on

Enhancing Trust and Confidence in the use of ICTs, adopted by the ITU World Telecommunication Development Conference 2017, Buenos Aires. The event offered a unique opportunity to participate in numerous technical activities in cyber security.

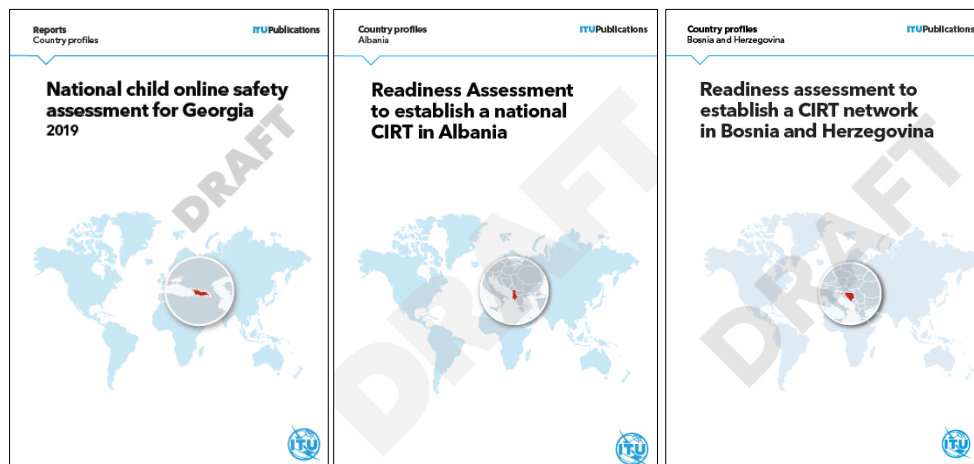
19 teams from 17 countries joined the exercise with the main objective:

- to increase incident response capabilities and readiness levels,
- to increase mutual understanding of cyber risks and associated impacts, and
- to ensure a continued collaborative effort among international cyber security stakeholders especially national Computer Emergency Response Teams (CERTs) in order to mitigate cyber threats.



More information is available at events [website](#).

4.12 Final reports for in-country assistance (Georgia, Albania, Bosnia and Herzegovina)



The National CIRT Assessment reports resulting from the in-country assistance provided to Bosnia and Herzegovina and Albania in 2018, are being finalised at ITU level in professionally edited versions. The National Assessment on Child Online Safety, culminating the in-country assistance to Georgia has been finalised at ITU level in professionally edited versions. These national assessment reports provide effective recommendations and project roadmaps for the countries to pursue.

4.13 Regional Initiative Project: National CIRTs Implementation

Three concept notes have been prepared in May 2019 for the establishment of a National CIRT in Albania, in San Marino and a Government CIRT in Bosnia and Herzegovina. These documents are being shared at diverse meetings by ITU and the respective Governments to seek funding.

4.14 In country assistance in field of Child Online Protection

Following the successful approach used for supporting Georgia [see item 4.11], ITU provided technical assistance to Ukraine, leading towards the development of the National Strategy on Protecting Children and Young People Online. Expert missions, preceded by the desktop research took place during Q3/Q4, and consisted of the national kick off workshop, series of bilateral meetings and interviews with all relevant stakeholders.



Final outcomes of the assistance have been presented at the national workshop held in Kiev, Ukraine, 19 December 2019.

4.15 Regional Study on National Approaches for Keeping Young People and Children Safe Online

A regional study on national approaches for keeping young people and children safe online is under preparation. The aim of this study is to develop better understanding on the situation in particular in South Eastern European Countries and to identify potential gaps to be addressed via direct assistance. The study will facilitate roll out of the implementation of updated COP Guidelines.

4.16 ITU speaker support to the conferences

At the request of the hosting countries, ITU has provided support by way of an expert speaker who made presentations at the following events :

- OSCE Cybersecurity Conference, May 2019, Sarajevo, Bosnia and Herzegovina
- Cybersecurity Conference, June 2019, Ohrid, North Macedonia

EUR5: ICT-centric innovation ecosystems

Objective: To enhance entrepreneurship and establish a sustainable culture of innovation through concrete strategic actions using ICT as an enabler, building on the existing regional initiative in Europe on entrepreneurship, innovation and youth.

5.1. ITU Forum on Innovative Digital Solutions for Accessible Europe - Zero project, Vienna

Please refer to item 3.2

5.2 Innovation track@WSIS 2019, Geneva



This track was co-organized with the Office of Electronic Communication of Republic of Poland. Innovation Track@WSIS provided a unique opportunity for high-level dialogue, cooperation and partnerships among telecommunication/ICT policy-makers, regulators, industry, academia, regional and international development agencies and

organizations on specific actions undertaken for strengthening the impact of the ICTs on the sustainable development. The thematic focus was on building a culture of innovation to achieve the SDGs. More information is available on the [event page](#).

5.3 Digital Innovation Profiles for Montenegro, Norway, Georgia, Greece, Hungary

Following the Digital Innovation workshop held in Budva in 2018 and the consultation mission held in Podgorica in December 2018, the Digital Innovation Profile for Montenegro has been developed by ITU and will be handed over by end of October 2019. In follow up to the regional innovation workshop held in Oslo in November 2018, a report depicting an academic perspective on digital innovation in Norway is currently being developed. Planning for workshops and consultations for elaboration of the Digital Innovation Profiles for Greece, Georgia and Hungary are currently underway for 2020.



5.4 Twinning Hungary and Georgia

Following the contribution made at RDF 2018 by INPUT of Hungary to offer facilitation for setting up of similar structure in our countries, first steps have been undertaken by representatives of

Georgia to study the operations of INPUT in Hungary. INPUT programme is planned to be involved in the assistance to be provided to Georgia on the innovation ecosystem.

5.5 Accelerating Digital Transformation through ICT Centric Ecosystem – Telecom World



This 1.5 hour session took place on 9 September 2019. As newer technologies appear, unexpected challenges in growth, inclusion and job creation arise for policymakers. The capacity of entrepreneurs to take ideas to market is the biggest source

of job creation. Through entrepreneurship, innovators create startups, which can grow to become small and medium businesses, some of which are ultimately able to sustain high growth. This session attempted to answer the following questions: What has been the experience of different countries in terms of key actions taken to build competitive innovation ecosystems and close this innovation gap? How can ITU help countries to navigate the changing technology landscape through innovation? More information is on the [event page](#).

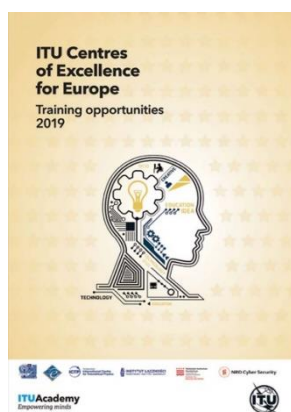
5.6 Ecosystem matching unlocking opportunity through good practice – Telecom World



This 1.5 hour session took place on 11 September 2019. An exciting ecosystem alone is not enough: it must also be competitive, and include all the right ingredients. What practical examples of good practices can be transferred or nurtured in order to develop an ecosystem

with a strong fabric that can create the next tech unicorns? This interactive session explored relevant case studies and facilitated networking opportunities between successful innovators and participants. More information is on the [event page](#).

ITU Centres of Excellence for Europe



The **first Steering Committee** meeting for the new cycle 2018-2022 was hosted by the Office of Electronic Communications (UKE), Poland. The meeting was held in conjunction with the 1st Steering Committee meeting for the Centers of Excellence for the CIS region. A key outcome of the meeting was the agreed training catalogue for the CoE network in the region for the upcoming year.

A **virtual meeting** of the Steering Committee for Europe region CoEs was held on 20 August 2019 to take stock of actions done and future ones planned and to resolve any systemic issue. Outcome reports can be access from the [event page](#).



The **second physical Steering Committee** meeting was held from 19 to 20 November 2020 and was hosted by ICTP, Italy. Meeting resulted in developing the training catalogue for 2020. Training catalogue was released at the end of the year and is available on the [event page](#). 25 training opportunities will be provided in 2020.

2019 ITU CoEs for Europe training opportunities catalogue provides detailed descriptions of all 2019 courses offered by the ITU Centres of Excellence and is available [here](#). The list of 2019 courses is also reflected below for ease of reference.

- [04/03/2019 - 11/03/2019: Online course "Strategic Aspects for Internet Governance and Innovations"](#)
- [08/04/2019 - 15/04/2019: Online course "Wireless Access Technologies to Internet Network"](#)
- [07/2019 - 12/2019: Online self paced course "Cybersecurity Techniques"](#)
- [07/05/2019 - 10/05/2019: Face-to-face course "Governing Cyber Security at the National Level: Best practices and lessons learned", Vilnius, Lithuania](#)

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- [16/05/2019 - 17/05/2019: Face-to-face course "Building broadband telemedicine networks and providing e-health services at the local, regional and national levels", Odessa, Ukraine](#)
 - [20/05/2019 - 27/05/2019: Online course "Legal and regulatory barriers to the introduction of cloud services in the EU"](#)
 - [23/05/2019 - 24/05/2019: Face-to-face course "Features of 5G technology implementation at the local \(some towns\), regional \(district, region\) and national level", Odessa, Ukraine](#)
 - [28/05/2019 - 24/06/2019: Online course "NGN Evolution, Future Networks and Ultra-broadband Internet"](#)
 - [07/2019 - 12/2019: Self-Paced Course "Cyber Incident Response"](#)
 - [12/08/2019 - 16/08/2019: Face-to-face course "CODATA/RDA Research Data Science Summer School", Trieste, Italy"](#)
 - [19/08/2019 - 23/08/2019: Face-to-face course "CODATA/RDA Advanced Workshop on IoT and Big-Data Analytics", Trieste, Italy](#)
 - [26/08/2019 - 02/09/2019: Online course "Security and QoS in Internet Network"](#)
 - [02/09/2019 - 04/09/2019: Face-to-face course "Technical Aspects of Wireless Solutions for the Internet of Things \(IoT\)", Trieste, Italy](#)
 - [17/09/2019 - 20/09/2019: Face-to-face course "Incident Response Practice: Hands-on scenario-based training", Vilnius, Lithuania](#)
 - [30/09/2019 - 07/10/2019: Online course "Technical, business and regulatory aspects of 5G Networks"](#)
 - [October 2019: Face-to-face course " Automation of broadband networks designing. Selecting the most appropriate solutions to build network", Ashgabat, Turkmenistan](#)
 - [24/10/2019 - 25/10/2019: Face-to-face course " QoS Technologies and Regulation for Fixed and Mobile", Warsaw, Poland](#)
 - [06/11/2019 - 08/11/2019: Face-to-face course "IoT Entrepreneurship", Trieste, Italy](#)
 - [07/11/2019 - 08/11/2019: Face-to-face course "The use of adaptive technologies to transmit video over radio channels", Odessa, Ukraine](#)
 - [18/11/2019 - 22/11/2019: Face-to-face course "CODATA/RDA/ICTP/TWAS Research Data Science Summer School in West Africa", Nigeria](#)
 - [19/11/2019 - 16/12/2019: Online course "Wireless and Mobile Ultra-broadband: LTE-A PRO, WLAN, and 5G NR"](#)

Annex 1: 2019 Events with Hyperlinks

- [07/02/2019 - 08/02/2019: 1st Meeting of the ITU Centres of Excellence \(CoE\) Steering Committees for Europe and CIS Regions, Warsaw, Poland](#)
- [05/02/2019 - 06/02/2019: Safer Internet Day 2019, Tirana, Albania](#)
- [21/02/2019: ITU Forum on Innovative Digital Solutions for Accessible Europe \(Forum at the Zero Project Conference\), Vienna, Austria](#)
- [11/03/2019 - 15/03/2019: Vienna Cyber Security Week 2019, Vienna, Austria](#)
- [21/03/2019 – 22/03/2019: ITU Contribution to the UN Regional Forum on Sustainable Development in UNECE Region, CIG, Geneva, Switzerland](#)
- [25/03/2019: ITU Workshop on Enhancing Human Life Using e-Services, Geneva, Switzerland \(Jointly organized with TSB in Context of the Regional Initiatives for Europe on Digitization and Digital Inclusion\)](#)
- [08/04/2019: Innovation Track at the WSIS Forum 2019, Geneva, Switzerland](#)
- [08/04/2019 - 11/04/2019: 3rd Annual CIS and CEE Spectrum Management Conference and ITU Workshop “How to achieve interference free communication at the current technological stage”, Minsk, Belarus](#)
- [24/04/2019 – 26/04/2019: ITU Workshop for Europe and CIS on Using ICT for Saving Lives, Odessa, Ukraine](#)
- [06/05/2019: Regional Development Forum, Rome, Italy](#)
- [07/05/2019: ITU-Com-ITU-CEPT Celebration of the Girls in ICT Day 2019, Rome, Italy](#)
- [14/05/2019 - 16/05/2019: ITU Workshop for Europe and CIS on ICT Infrastructure as a Basis for Digital Economy, Kiev, Ukraine](#)
- [23/05/2019: Digital Youth Forum, Warsaw, Poland](#)
- [27/05/2019 – 31/05/2019: ITU Cyberdrill for Europe Region, Bucharest, Romania](#)
- [07/06/2019: ITU Workshop on the Future of Television in Europe \(jointly organized with TSB in context of the Regional Initiative for Europe on ICT Infrastructure\)](#)
- [26/06/2019 – 28/06/2019: ITU Workshop on National Cybersecurity Strategies for Western Balkans, Skopje, North Macedonia](#)
- [24/06/2019 - 27/06/2019: Seminar on Radiocommunication Matters for Europe \(SRME-19\), Tirana, Albania](#)
- [02/07/2019 - 03/07/2019: ITU Workshop for Europe on Mapping of Terrestrial Broadband Infrastructure and Services, Warsaw, Poland](#)
- [09/09/2019 – 13/09/2019: ITU TELECOM WORLD, Budapest, Hungary](#)
- [09/09/2019 – 13/09/2019: ITU Regional Initiatives for Europe at ITU TELECOM WORLD, Budapest, Hungary](#)
- [16/09/2019: ITU Workshop on Good Practices in Child Online Protection, Warsaw, Poland](#)
- [17/09/2019 - 18/09/2019: International Conference for Europe: Keeping Children and Young People Safe Online, Warsaw, Poland](#)
- [30/09/2019 – 1/10/2019: ITU-EKIP Regional Regulatory Forum for Europe on “Future Regulation for Inclusive Connectivity”, Budva, Montenegro](#)

- [02/10/2019: ITU-DCAF workshop for Western Balkan CIRTs: "Connecting and Building Capacities of the CIRT Community in Western Balkans", Budva, Montenegro](#)
- [30/10/2019 – 31/10/2019: ITU Regional Economic Dialogue on Information and Telecommunication Technologies for Europe and CIS, Odessa, Ukraine](#)
- [28/11/2019 – 29/11/2019: 5G Techritory for Baltic States Region, Riga, Latvia](#)
- [04/12/2019 - 06/12.2019: Accessible Europe, Malta](#)
- [11/12/2019: ITU-MPO Knowledge Exchange on “Fostering ICT Start-ups Ecosystem” , Prague, Czech Republic](#)
- [19/12/2019 - 20/12/2019: Cyber Shield 2019, Ankara, Turkey](#)

In addition the following ITU-T meetings were held in Europe:

- [18/02/2019: Third ITU Workshop on Network 2030 London, United Kingdom](#)
- [19/02/2019 – 20/02/2019: Focus Group on Technologies for Network 2030 London, United Kingdom](#)
- [26/02/2019 – 28/02/2019: ITU-T SG20 Regional Group for Eastern Europe, Central Asia and Transcaucasia Minsk, Belarus](#)
- [01/04/2019: FG DLT Pre-meeting Workshop on Distributed Ledger Technology Madrid, Spain](#)
- [01/04/2019 – 04/04/2019: FG DLT Focus Group on Application of Distributed Ledger Technology Madrid, Spain](#)
- [21/05/2019 – 23/05/2019: 4th ITU workshop on Network 2030 jointly with ITU Forum on Internet of Things: Future Applications and Services. Perspective 2030, St. Petersburg, Russia](#)
- [21/05/2019 – 23/05/2019: Focus Group on Technologies for Network 2030 , St. Petersburg, Russia](#)
- [21/05/2019 ITU-T SG3: Regional Group for Eastern Europe, Central Asia and Transcaucasia \(EECAT\) , St. Petersburg, Russia](#)
- [21/05/2019 – 22/05/2019: SG11 Regional Group for EECAT, St. Petersburg, Russia](#)
- [21/05/2019 – 23/05/2019: SG13Regional Group for EECAT , St. Petersburg, Russia](#)
- [04/09/2019: WP3/12-SG12: Performance, QoS and QoE Stockholm, Sweden](#)
- [09/09/2019 – 12/09/2019: Smart ABC programme - AI, Banking and Cities Budapest, Hungary](#)
- [10/09/2019: ITU Workshop on "The Turing Test for Autonomous Driving - A Global Performance Standard for AI on our Roads" Budapest, Hungary](#)
- [01/10/2019 – 04/10/2019: 9th Green Standards Week, Valencia, Spain](#)
- [05/11/2019: ITU Workshop on Machine Learning for 5G and Beyond Berlin, Germany](#)
- [06/11/2019 – 08/11/2019: Focus Group on Machine Learning for Future Networks including 5G Berlin, Germany](#)
- [09/12/2019 – 12/12/2019 SG15 rapporteur group meeting Barcelona, Spain](#)
- [11/12/2019 The Forum on Environmental Efficiency for Artificial Intelligence and other Emerging Technologies Vienna, Austria, 11 December 2019](#)
- [12/12/2019 Focus Group on Environmental Efficiency for Artificial Intelligence and other Emerging Technologies \(FG-AI4EE\) Vienna, Austria](#)



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- [13/12/2019 The Meeting of the Thematic Group on the United for Smart Sustainable City Index Vienna, Austria](#)

Annex 2 : Preliminary list of events planned for 2020

The list below is not exhaustive and has no information on actions such as in-country support, publications and projects for 2020 which will be added in due course.

19 February	Vienna Austria	ITU Forum on ICT Accessibility as part of every Zero Project Conference
27-28 February	Sofia Bulgaria	ITU Regional Cybersecurity Forum for Europe and CIS
19-20 March	Geneva Switzerland	UN Regional Forum on Sustainable Development in UNECE Region
23-27 March	Vienna Austria	Vienna Cybersecurity Week
2-3 April	Tirana Albania	Digital Summit for Western Balkans
6 April	Geneva Switzerland	Innovation Track at WSIS Forum
29-30 April	Limassol Cyprus	ITU Regional Innovation Forum for Europe
22-23 April	Western Balkans	Digital Skills Week for Europe / Regional Hackathon on Digital Skills
23 April	Western Balkans	ITU Regional Girls in ICT Day Celebration Event
April/May	Bucharest Romania	ITU Regional Development Forum (Back to back with CEPT)
12-14 May	Kiev Ukraine	ITU Workshop for Europe and CIS on Digital Transformation Powered by ICT innovation - Fostering growth of the Digital Economy
1-5 June	Skopje North Macedonia	ITU Regional Cyberdrill for Europe
23-24 June (tbc)	Athens Greece	ITU Regional Forum on ICT Innovation Ecosystem for Smart Cities

July	Budapest Hungary	ITU Regional Radio-communication Seminar for Europe & CIS
September	Warsaw Poland	International Conference: Keeping Children and Young People Safe Online
September	Budva Montenegro	ITU-EKIP Regional Regulatory Forum for Europe
TBD	Warsaw Poland	ITU 5G Conference for Europe and CIS
7-9 October	Odessa Ukraine	ITU Regional Forum for Europe and CIS on Child Online Protection
11-13 November	Riga Latvia	5G Techritory
December	Lisbon Portugal	Accessible Europe 2020: ITU-EC Forum for Europe

In addition the following meetings are planned in Europe by ITU-T

07-17 January 2020	Brussels Belgium	ITU-T SG 16 Rapporteur group meeting
13 January 2020	Lisbon Portugal	ITU-T 6th ITU Workshop on Network 2030 and Demo Day
14-15 January 2020	Lisbon Portugal	ITU-T Focus Group on Technologies for Network 2030
21-22 January 2020)	London UK	ITU-T Focus Group on AI for autonomous and assisted driving (FG-AI4AD)
3-7 February 2020	London UK	ITU-T SG17 Rapporteur group meeting London
15-24 April 2020	Vienna Austria	ITU-T SG16 Rapporteur group meeting Alpbach

8-12 June 2020 Brussels ITU-T SG15 Rapporteur group meeting
Belgium

Following the outcomes of the Steering Committee of the ITU Centres of Excellence for Europe, 25 courses/trainings have been planned to be delivered by CoEs in 2020.

01.01.20 31.12.20	Online self-paced	"Cybersecurity technique"
01.01.20 31.12.20	Online self-paced	"Cyber incident response"
03.02.20 10.02.20	Online	"Strategic aspects for internet governance and innovation"
09-16.03.20	Online	"Wireless access technologies to internet network"
13-20.04.20	Online	"Security and QoS in internet network"
04-07.05.20	Face-to-face, Vilnius, Lithuania	"Building and effective cybersecurity team",
14-15.05.20	Face-to-face, Odessa, Ukraine	"Building broadband telemedicine networks and providing e-health services at the local, regional and national levels"
26.05.20 22.06.20	Online	"Future broadband internet, cloud computing and internet of things"
01.06.20 31.12.20	Online self-paced	"Information security management system"
11-12.06.20	Face-to-face Odessa, Ukraine	"Features of 5g technology implementation at the local (some towns), regional (district, region) and national level"
15-22.06.20	Online	"Legal, regulatory and technical aspects of cloud computing in international data transfers"
02-03.07.20	Face-to-face Odessa, Ukraine	"Features of 5g technology implementation at the local (some towns), regional (district, region) and national level"
03-14.08.20	Face-to-face Trieste, Italy	"Codata/rda research data science summer school"
17-21.08.20	Face-to-face Trieste, Italy	"Codata/rda research data science summer school"
24-31.08.20	Online	"Technical, business and regulatory aspects of 5g networks"
07-09.09.20	Face-to-face Vilnius, Lithuania	"Incident response practice hands-on scenario-based training"
09-11.09.20	Face-to-face TBC	"Industrial cybersecurity and incident response",

24-25.09.20	Face-to-face Kostanay, Kazakhstan	"Automation of broadband networks designing. Selecting the most appropriate solutions to build network"
28-30.09.20	Face-to-face Trieste, Italy	"5G technologies for IoT"
28.09.20 05.10.20	Online	"Qos technologies and regulation for fixed and mobile"
22-23.10.20	Face-to-face Warsaw, Poland	"Internet of things, big data and artificial intelligence technical, business and regulatory aspects"
05-06.11.20	Face-to-face Odessa, Ukraine	"The use of adaptive technologies to transmit video over radio channels"
16-17.11.20	Face-to-face Trieste, Italy	"Applications of satellite based IoT networks"
08-09.12.20	Face-to-face Warsaw, Poland	"Legal aspects of artificial intelligence in business, household and public sector"
17.11.20 14.12.20	Online	"Mobile broadband internet, 5g and future services"