

ITU REGIONAL DEVELOPMENT FORUM FOR EUROPE

ITURDF

REMOTE2020

ITU Regional Initiatives for EUROPE

Tuesday, 26 May 2020

www.itu.int/en/ITU-D/Regional-Presence/EUROPE

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ICT Infrastructure | Digitization | ICT Accessibility | Cybersecurity | Innovation
Regional Initiatives for Europe | Projects | Study Groups | Partnerships | Membership

#ICT4SDG



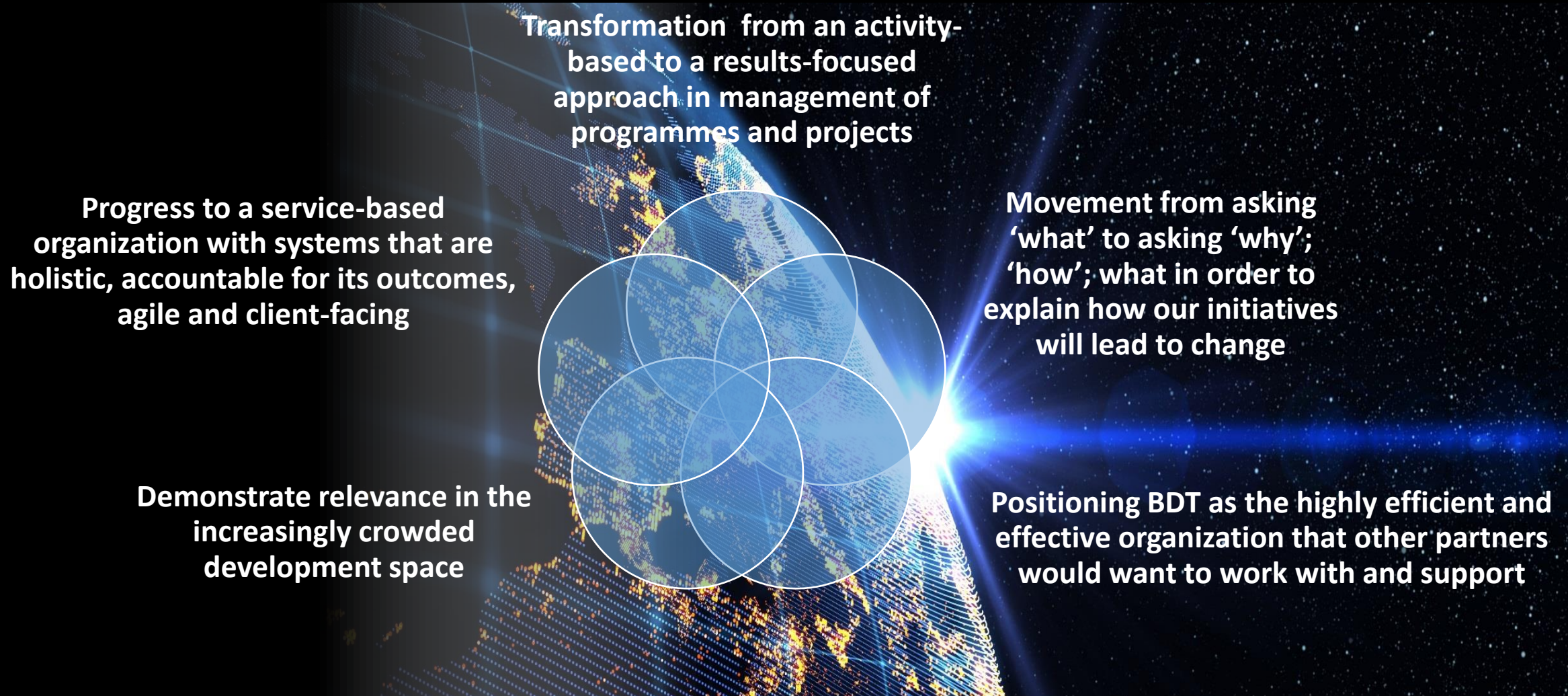
SUSTAINABLE
DEVELOPMENT GOALS



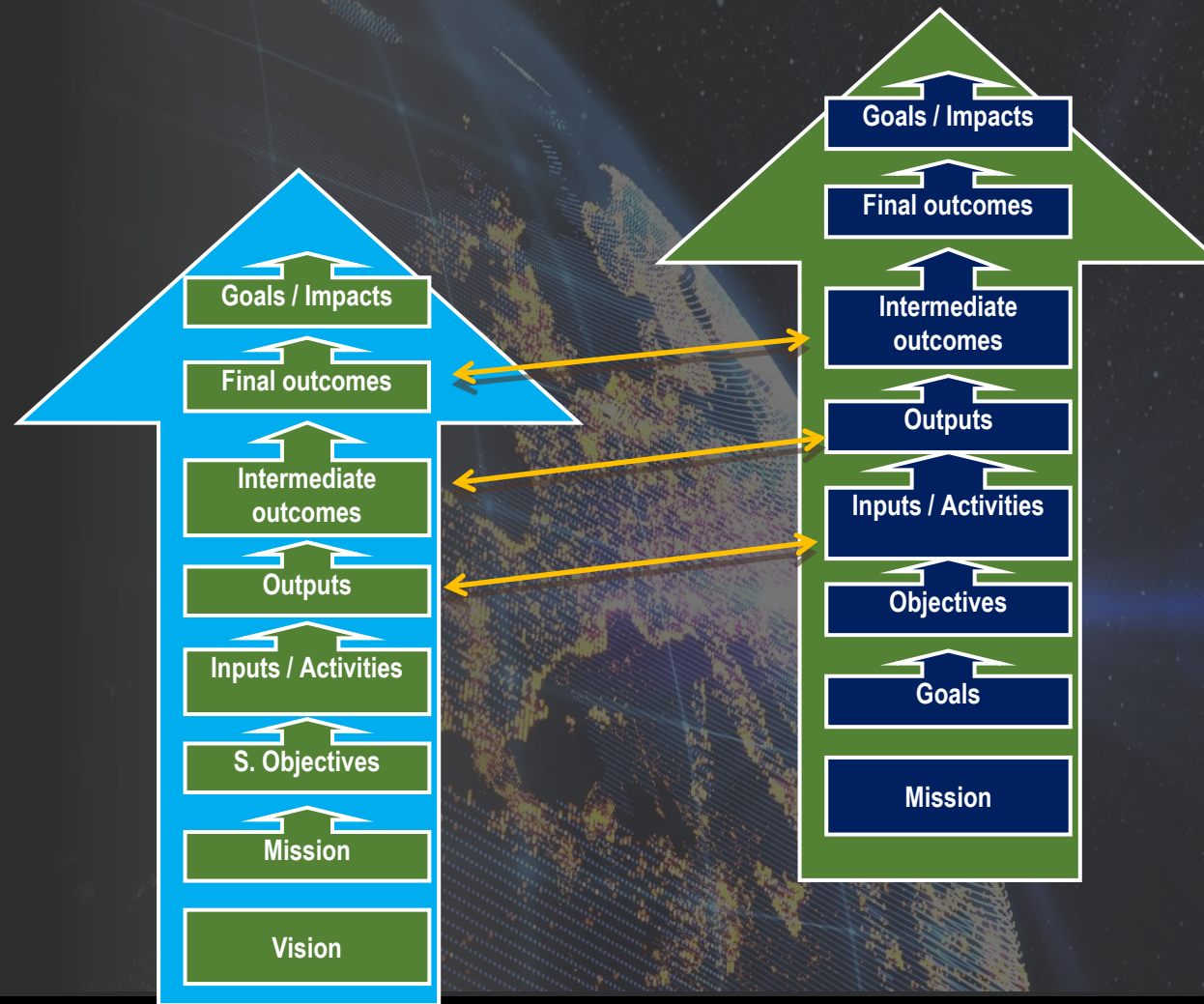
World Summit
on the Information Society
Turning targets into action
Geneva 2003 | Tunis 2005 | New York 2015



The Case of an Effective Result Based Management Approach



The Ladder of Influence between ITU and our Partners



Results Based Management - Creating a "Fit4Purpose" BDT

To facilitate coordination and synergy across key programmes, projects, and initiatives, RBM is being applied to BDT's "cluster-based approach" on 10 thematic priorities (1/2):

| BDT Thematic Priority | WTDC Programmes | Regional Initiatives | Study Group Questions |
|---------------------------------|---|---|---------------------------|
| Capacity Development | Capacity building and human skills development | EUR1: Infrastructure EUR2: Digitization EUR3: Digital Inclusion EUR5: Innovation | Cuts Across all Questions |
| Cybersecurity | Cybersecurity | EUR4: Cybersecurity | Q3/2 |
| Digital Inclusion | Digital inclusion for empowering women & girls, People with disabilities and other people with specific needs | EUR3: Digital Inclusion | Q7/1 |
| Digital Innovation Ecosystems | Innovation | EUR5: Innovation | Q1/2 |
| Digital Services & Applications | Telecommunication/ICT services and applications | EUR2: Digitization EUR5: Innovation | Q1/2; Q2/2 |

LDCs, SIDS, and LLDCs are integrated into each of the above thematic priority program.

Results Based Management - Creating a "Fit4Purpose" BDT

To facilitate coordination and synergy across key programmes, projects, and initiatives, RBM is being applied to BDT's "cluster-based approach" on 10 thematic priorities (2/2):

| BDT Thematic Priority | WTDC Programmes | Regional Initiatives | Study Group Questions |
|-----------------------------------|---|--------------------------------------|------------------------------|
| Emergency Telecommunications | Disaster risk reduction and management and emergency telecommunications | - | Q5/2 |
| Environment | Climate change adaptation and mitigation | - | Q6/2 |
| Networks & Digital Infrastructure | Telecommunication/ICT network infrastructure and services | EUR1: Infrastructure | Q7/2; Q1/1; Q2/1; Q5/1; Q4/2 |
| Policy & Regulation | Policy and regulatory environment | EUR1: Infrastructure | Q1/1; Q3/1; Q4/1; Q6/1 |
| Statistics | ICT data and statistics | Cuts Across all Regional Initiatives | Cuts across all Questions |

LDCs, SIDS, and LLDCs are integrated into each of the above thematic priority program.

ITU 5 Regional Initiatives for Europe

EUROPE

ICT
Infrastructure



Digitization
e-Services



Digital
Inclusion



Cybersecurity



Innovation



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Results Based Management - Creating a "Fit4Purpose" BDT



























| Regional Initiatives | BDT Thematic Priorities | ITU-D Study Groups |
|-------------------------|---|--|
| EUR1: Infrastructure | <u>Networks & Digital Infrastructure</u> <u>Policy & Regulation</u> Capacity Development Statistics | Q1/1; Q2/1; Q3/1; Q4/1; Q5/1; Q6/1; Q7/2 |
| EUR2: Digitization | <u>Digital Services & Applications</u> Capacity Development Statistics | Q1/2; Q2/2; |
| EUR3: Digital Inclusion | <u>Digital inclusion for empowering women & girls, people with disabilities and other people with specific needs</u> Capacity Development Statistics | Q7/1 |
| EUR4: Cybersecurity | <u>Cybersecurity</u> Statistics | Q3/2 |
| EUR5: Innovation | <u>Digital Innovation Ecosystems</u> Digital Services & Applications Statistics | Q1/2 |

ITU-D Study Groups

SG1: Enabling environment for the development of telecommunications/ICTs

| Study Question | Relevant SDG WSIS Action Line |
|---|--|
| Q1/1: Strategies and policies for the deployment of broadband in developing countries |      |
| Q2/1: Strategies, policies, regulations and methods of migration and adoption of digital broadcasting and implementation of new services |    |
| Q3/1: Emerging technologies, including cloud computing, m-services, and OTTs: Challenges and opportunities, economic and policy impact for developing countries |        |
| Q4/1: Economic policies and methods of determining the costs of services related to national telecommunication/ICT networks |     |
| Q5/1: Telecommunications/ICTs for rural and remote area |      |
| Q6/1: Consumer information, protection and rights: Laws, regulation, economic bases, consumer networks |      |
| Q7/1: Access to telecommunication/ICT services by persons with disabilities and other persons with specific needs |      |

SG2: ICT services and applications for the promotion of sustainable development

| Study Question | Relevant SDG WSIS Action Line |
|---|---|
| Q1/2: Creating smart cities and society: Employing ICTs for sustainable social and economic development |      |
| Q2/2: Telecommunications/ICTs for e-health |     |
| Q3/2: Securing information and communication networks: Best practices for developing a culture of cybersecurity |     |
| Q4/2: Assistance to developing countries for implementing conformance and interoperability (C&I) programmes and combating counterfeit ICT equipment and theft of mobile devices |     |
| Q5/2: Utilizing telecommunications/ICTs for disaster risk reduction and management |     |
| Q6/2: ICT and the environment |   |
| Q7/2: Strategies and policies concerning human exposure to electromagnetic fields |    |

www.itu.int/ITU-D/study-groups/

ITU-D Study Groups

Highlights in 2019:

The following annual deliverables were released:

- **"Trends in new broadcasting technologies, services and applications"** (Question 2/1)
- **"A holistic approach to creating smart societies"** (Question 1/2)

Various workshops and tutorials held in Geneva to increase knowledge and capacity for development

| ITU-D Study Group 1 | ITU-D Study Group 2 |
|--|---|
| [All Qs] Tutorial on AI and emerging technologies | |
| [Q1/1] Workshop on Broadband Deployment and Broadband Access Technologies | [Q2/2] Workshop on New Communication Technologies for E-health and Socio-Economic Issues |
| [Qs 3/1&4/1] Workshop on the Economic Impact of OTTs on National Telecommunication/ICT Markets | [Q4/2] Workshop on ICT Conformance and Interoperability: challenges for developing countries |
| [Q5/1] Workshop on Broadband Development in Rural Areas | [Q5/2] Workshop on Guidelines for Conducting National Level Emergency Communications Drills and Exercises for SIDs and LDCs |
| [Q7/1] Knowledge development session on Fundamentals of ICT accessibility | [Q6/2] Workshop on frontier ICTs for climate action |

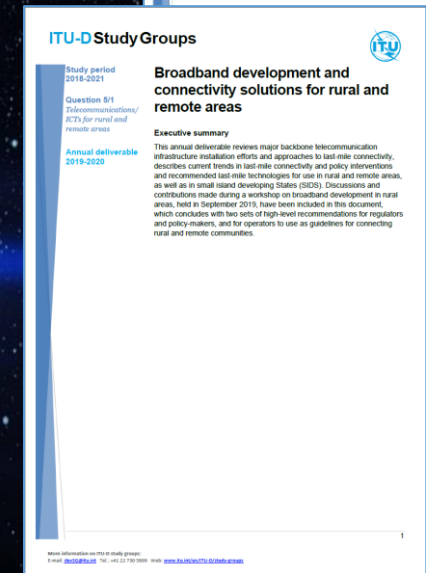
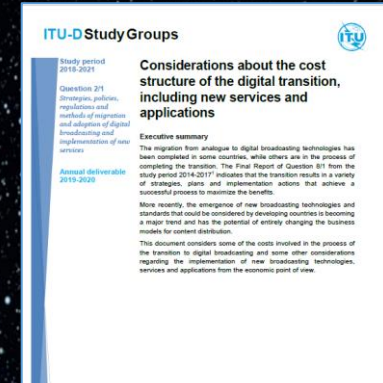
ITU-D Study Groups

Achievements in 2020:

- **"Considerations about the cost structure of the digital transition, including new services and applications"** (Question 2/1) (released 7 May)
- **"Broadband development and connectivity solutions for rural and remote areas"** (Question 5/1) (released 21 May)
- **Economic impact of OTTs on national telecommunication/ ICT markets** (Questions 3/1 & 4/1) (to be released end of May)

Two keynote sessions were held in Geneva:

- **"Innovative financing mechanisms and business models for inclusive digital connectivity"**
- **"IoT for development: opportunities and risks for developing countries"**



Implementation of the Regional Initiatives: Highlights

LIVING DOCUMENT: 2019-2020 Actions Across Europe

General Actions

- ITU Regional Development Forum
- UN Regional Forum on Sustainable Development
- UN System for Europe and Central Asia
 - Issues Based Coalitions
 - UN Knowledge Hub
 - UN Digital Transformation Group for ECA

Regional Initiatives for Europe

- Infrastructure | Digitization | Digital Inclusion | Cybersecurity | Innovation

ITU Centres of Excellence for Europe

https://www.itu.int/en/ITU-D/Regional-Presence/Europe/Documents/Events/2020/RDF/31012020_EUR%20Actions2019_Plan2020-FINAL.pdf



Implementation of the Regional Initiatives: Highlights

Supporting Investment Opportunity Mapping Systems in Broadband Infrastructure for South Eastern Europe

Albania, Bosnia & Herzegovina, Georgia, Moldova, Montenegro, North Macedonia, Serbia, Ukraine


9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



European mHealth
Innovation and
Knowledge HUB

The European mHealth Innovation and Knowledge Hub raises to collect and share national experiences on mHealth and to support countries and regions in setting up large-scale mHealth programmes.



 This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Grant Agreement No 733427

Digital Skills Assessment
Guidebook

ITU Centres of Excellence for Europe
Training opportunities
2020



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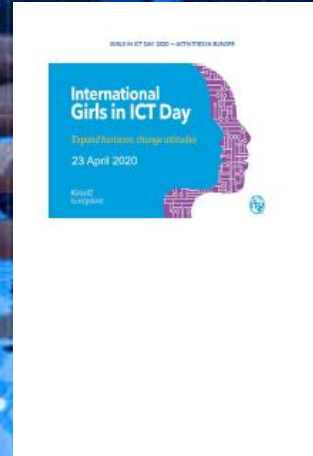
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Upcoming Publications and Reports



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Europe Mondays Webinars / Remote Meetings

Planning webinars for launching reports are planned on every Monday of June:

- 1 June 2020, 10.00-11.00 **Digital Skills Assessment Guidebook**
- 8 June 2020, 10.00-11.00 **Status of National Child Online Protection Ecosystems in South Eastern Europe**
- 15 June 2020, 10.00-12.00 **Supporting Digital Transformation in Europe and Central Asia: Accelerating Achievement of SDGs (internal for the UN system)**
- 15 June 2020, 14.00-15.00 **The Economic Contribution of Broadband, Digitization and ICT Regulation: Econometric Modelling for the ITU Europe Region**
- 22 June 2020, 10.00-11.00 **Status of Digital Agriculture in Eighteen Countries of Europe and Central Asia**
- 29 June 2020, 10.00-11.00 **ITU Study on Digitally Empowered Generation Equality (tbc)**

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Thank You for Your Attention

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Regional Initiative 1 - Infrastructure



The following series of **seminars, forums and workshops** built the capacity of more than 900 stakeholders in the field of spectrum management and transition to digital broadcasting:

- 8-11 April 2019: **“3rd Annual CIS and CEE Spectrum Management Conference”**
- 8-11 April 2019: Workshop on **“How to Achieve Interference Free Communication at the Current Technological Stage”**, Minsk, Belarus
- 14-16 May 2019: Workshop on **“ICT Infrastructure as a Basis for Digital Economy”**, Kiev, Ukraine
- 7 June 2019: Workshop on **“The Future of Television in Europe”**, Geneva, Switzerland
- 24-27 June 2019: Seminar on **“Radiocommunication Matters for Europe”**, Tirana, Albania
- 2-3 July 2019: Workshop on **“Mapping of Terrestrial Broadband Infrastructure and Services”**, Warsaw, Poland
- 10 Sept. 2019: Workshop on **“Investing in the Digital Future: Towards Gigabit Infrastructure and Society – Telecom World Session”**, Budapest, Hungary
- 30 Sept. – 1 Oct: **“Regional Regulatory Forum for Europe on “Future Regulation for Inclusive Connectivity”**, Budva, Montenegro
- 30-31 Oct, 2019: **“Regional Economic Dialogue on ICTs for Europe and CIS” (RED-2019)**, Odessa, Ukraine
- 7 May 2020: **Project Signing Ceremony: Mapping Systems in SEE**, Virtual

Regional Initiative 1 - Infrastructure



The following **projects and studies** were carried out in 2019 within the framework of broadband infrastructure, broadcasting and spectrum management:

- **Special Policy Paper on the ICT Infrastructure Development and Investment in North Macedonia** was published.
- Additional dataset on broadband infrastructure in European countries is being added to the global **ITU Interactive Transmission Maps**.
- Several **Memorandum of Understanding** were signed between ITU and its partners, namely **BEREC, EAPEREG and RCC**, with the aim of strengthening collaboration.
- Project on **Supporting of Investment Opportunity Mapping Systems in Broadband Infrastructure for South Eastern Europe** was launched as a joint initiative of ITU, World Bank and European Investment Bank with the support of Office of Electronic Communications.

Regional Initiative 2 – Digitization & E-Services



The following series of **seminars, forums and workshops** built the capacity in the field of digitization and e-services:

- 25 Mar. 2019: ITU Workshop on **“Enhancing Human Life Using e-Services”**, Geneva, Switzerland
- 24-26 April 2019: ITU Workshop for Europe and CIS on **“Using ICT for Saving Lives”**, Odessa, Ukraine
- 11 Sep. 2019: ITU-FAO Cooperation on **“Digital Agriculture Strategy - Telecom World Session”**, Budapest, Hungary
- 11 Dec. 2019: Knowledge Exchange on **“Fostering ICT Start-ups Ecosystem”**, Prague, Czech Republic

The following **projects and studies** were carried out through 2019 and 2020 within the framework of broadband digitization and e-services:

- ITU-WHO Project on establishment of **“European mHealth Hub”** sponsored by European Commission
- ITU-FAO Report **“Status of Digital Agriculture in Eighteen Countries of Europe and Central Asia”**

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- ITU-FAO Report **“Status of Digital Agriculture in Eighteen Countries of Europe and Central Asia”**

Regional Initiative 2 – Digitization & E-Services



Special note on European mHealth Hub: The Europe Office has put a special focus on E-Services with the cooperation of WHO to build an innovation and knowledge hub to support mobile healthcare in Europe.

- ITU hosted the representatives of the 19 entities that make up the consortium, as well as members of the promoting organizations, at the Geneva headquarters to initiate the official launch and to develop several operational workshops to promote the first actions of the work plan between 17 and 19 February 2020.

The project aims to collect and share national experiences on mHealth and to support countries and regions in setting up large-scale mHealth programmes. With this vision, the vision of mHealth Hub is following:

- To operationalise an mHealth Innovation Hub for integration into the national health systems in Europe.
- To serve as a focal point for expertise on mHealth in the WHO European Region.
- To assist countries in implementing mHealth strategies.
- To act as facilitator of innovation in mHealth.
- To act as an accelerator for the EU Digital Single Market.
- To produce Knowledge Tools for health systems and services on NCDs.
- To provide a code of ethics for mHealth data.

Regional Initiative 3 – Digital Inclusion



The following series of seminars, forums and workshops built the capacity of the stakeholders in the field of digital inclusion:

- 21 Feb 2019: The Forum on Innovative Digital Solutions for an Accessible Europe: Fostering Growth of Start-ups as part of the Zero Project Conference, Vienna, Austria
- 19 Sep. 2019: Belgrade Women's Cyber Forum 2019, Belgrade, Serbia
- 7 May 2019: International Girls in ICT Day Celebrations, Rome, Italy
- 23 May 2019: Digital Youth Forum, Warsaw, Poland
- 4-6 Dec. 2019: Accessible Europe: ICT 4 All, St. Julian's, Malta
- 19 Feb. 2020: ITU Forum on ICT Accessibility as part of the Zero Project Conference, Vienna, Austria

Regional Initiative 3 – Digital Inclusion



The following **projects, studies, and trainings** were carried out within the framework of broadband digitization and e-services:

- A self-paced online course on **“ICT Accessibility: The Key to Inclusive Communication”** has been re-opened in 2019. The course aims to build capacity for participants in fields of ICT accessibility policy, web accessibility and procurement.
- **Regional Study on ICT Empowered Gender Equality** was carried out to identify key factors and trends in the participation of girls and women in ICT sector in Western Balkans countries and Georgia, Moldova and Ukraine.
- The concept note for **the Regional Initiative Project: Coding Bootcamps Centres in the Mediterranean Region** has been elaborated.
- The concept note for **Regional Initiative Project: Strengthening national and regional capacities on ICT accessibility through a National Program on web accessibility** has been submitted in June 2019 and is under review internally.

Regional Initiative 3 – Digital Inclusion



Special note on ICT Accessibility: The Europe Office has put a special focus on ICT Accessibility in building a platform for all interested stakeholders for an 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.
- **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.
- Following three publications were published as background papers to Accessible Europe:
 - **Standards Procurement of Accessible Products and Services**
 - **Future of Accessible Audiovisual Media Services, TV and Video Programming**
 - **Artificial Intelligence and ICT Accessibility**

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Regional Initiative 4 - Cybersecurity



The following series of seminars, forums and workshops built the capacity of the stakeholders in the field of cybersecurity:

- 5-6 Feb. 2019: **Safer Internet Day 2019**, Tirana, Albania
- 11-15 Mar 2019: **Vienna Cyber Security Week 2019**, Vienna, Austria
- 27-31 May 2019: **ITU Cyberdrill for European Region**, Bucharest, Romania
- 26-28 June 2019: **Workshop on National Cybersecurity Strategies for Western Balkans**, Skopje, North Macedonia
- 17-18 Sept 2019: **International Conference on Keeping Children and Young People Safe**, Warsaw, Poland
- 2 October 2019: **ITU-DCAF Workshop on Western Balkan CIRTs**, Budva, Montenegro
- 19-20 Dec. 2019: **Cyber Shield 2019**, Ankara, Turkey
- 19-21 Nov 2019: **Moldova Cyber Week**, Chisinau, Moldova
- 6-7 Nov 2019: **Hague Summit for Accountability in the Digital Age**, Hague, Netherlands
- 27-28 Feb. 2020 **ITU Regional Cybersecurity Forum for Europe and CIS**, Sofia, Bulgaria

Regional Initiative 4 - Cybersecurity



The following **projects, studies and assistances** were carried out within the framework of cybersecurity:

- A regional study on national approaches for keeping children safe online is under preparation to develop understanding of the situation in South Eastern European Countries and to identify potential gaps to be addressed via direct assistance.
- **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.
- Within the framework of In country assistance, two reports titled “**National Child Online Safety Assessment**” for **Ukraine and Georgia** have been developed.
- Within the framework of In country assistance, A report titled “**Readiness Assessment to establish a National CIRT in Albania**” is under the process of completion.
- The concept note been prepared for the establishment of **the National CIRT in Bosnia and Herzegovina**.
- **Official visit to ITU by Estonian ICT and Defence Cluster** took place in Geneva Headquarters on 31 January 2020.

Regional Initiative 5 - Innovation



The following series of **seminars, forums and workshops** built the capacity of the stakeholders in the field of digital innovation:

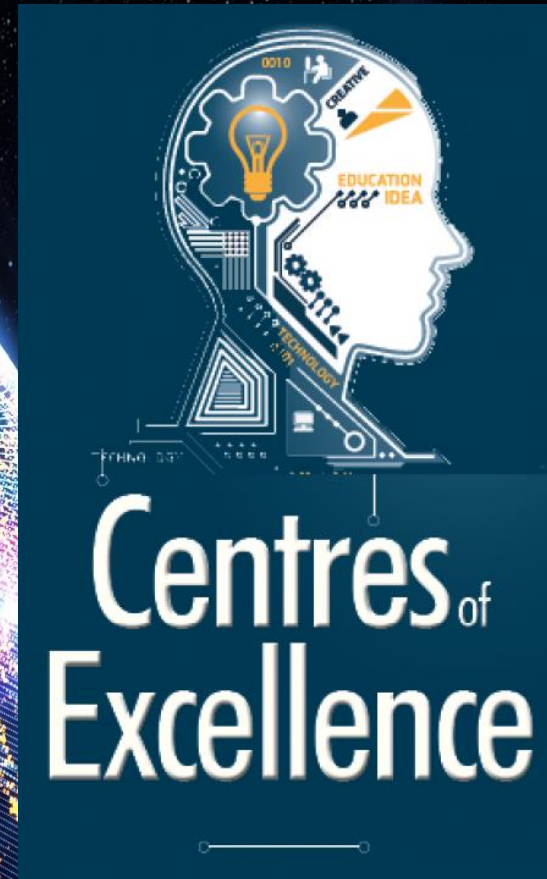
- 21 Feb. 2019: **ITU Forum on Innovative Digital Solutions for Accessible Europe** (Forum at the Zero Project Conference), Vienna, Austria
- 8 April 2019: **Innovation Track at the WSIS Forum 2019**, Geneva, Switzerland
- 9 Sept. 2019: **Accelerating Digital Transformation through ICT Centric Ecosystem – Telecom World**, Budapest, Hungary
- 19 Mar. 2020: **UN Regional Forum on Sustainable Development in UNECE Region**, Virtual

The following **projects and assistances** were carried out within the framework of digital innovation:

- **A Twinning programme between Hungary and Georgia** was established to provide assistance to Georgia's innovation ecosystem.
- **Digital Innovation Profiles for Montenegro, Norway, Georgia, Greece and Hungary**

ITU Centres of Excellence

- The 1st Steering Committee Meeting for the new cycle 2018-2022 was hosted by the Office of Electronic Communications, Poland from 7 to 8 February 2019.
- The 2nd and 3rd Steering Committee Meeting for Europe CoEs were held virtually on 20 August 2019 and 9 April 2020, respectively.
- In 2019, 21 trainings were offered.
- In 2020, 25 trainings were planned to be offered in which 10 are postponed due to COVID-19 situation.



Centres of Excellence – 2020 Trainings

- 01.01.20 – 31.12.20: "Cybersecurity technique"
- 01.01.20 – 31.12.20: "Cyber incident response"
- 03.02.20 – 10.02.20: "Strategic aspects for internet governance and innovations"
- 09.03.20 – 16.03.20: "Wireless access technologies to internet network"
- 13.04.20 – 20.04.20: "Security and QoS in internet network"
- 26.05.20 – 22.06.20: "Future broadband internet, cloud computing and internet of things"
- 01.06.20 – 31.12.20: "Information security management system"
- 15.06.20 – 22.06.20: "Legal, regulatory and technical aspects of cloud computing in international data transfers"
- 10.08.20 – 12.08.20: "Data science: Technical & business aspects for open innovation"
- 13.08.20 – 14.08.20: "Trends and advances in data Science, machine Learning, and artificial neural networks"
- 24.08.20 – 31.08.20: "Technical, business and regulatory aspects of 5g networks"

Centres of Excellence – 2020 Trainings

- 07.09.20 – 10.09.20: "Incident response practice hands-on scenario-based training"
- 09.09.20 – 11.09.20: "Industrial cybersecurity and incident response"
- 28.09.20 – 30.09.20: "5G technologies for IoT"
- 22.10.20 – 23.10.20: "Key aspects and governance of IoT, big data and artificial intelligence"
- 16.11.20 – 17.11.20: "Applications of satellite based IoT networks"
- 17.11.20 – 14.12.20: "Mobile broadband internet, 5g and future services"
- 08.12.20 – 09.12.20: "Legal aspects of artificial intelligence in business, household and public sector"

ICT ACCESSIBILITY TRAININGS

- 01.01.20 – 31.12.20: "Web Accessibility: The cornerstone of an inclusive digital society"
- 01.01.20 – 31.12.20: "ICT Accessibility: The key to inclusive communication"