International Telecommunication Union   International Telecommunication Union

ITU Regional Development Forum for Europe (RDF-EUR)

Information and Communication Technologies for attaining Sustainable Development Goals

Monday 11 June 2018 | Prague, Czech Republic

www.itu.int/en/ITU-D/Regional-Presence/Europe/Pages/Events/2018/RDF/

DRAFT IMPLEMENTATION PLAN 2018-2021
REGIONAL INITIATIVES FOR EUROPE

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.

Potential Partners : EC, EBU, BEREC, National Regulatory Authorities, RCC, RIPE, Digital Europe

Beneficiary : All 44 ITU Europe region countries

REGULAR ACTIONS

Year	Actions
2018	Regional Seminar for Europe and CIS on 5G Implementation in Europe and CIS: Strategies and Policies Enabling New Growth Opportunities, 3-5 July 2018, Budapest
	Regional Regulatory Event on Evolving Regulatory Frameworks for Digital Future, 1-2 October 2018, Budva, Montenegro
	Report on EMF Case Studies
	Discussion paper on the Future of Cable TV
	Europe focused enhancement of ITU Interactive Transmission Maps including collection of information from official sources

Year	Actions
	Twinning programmes within the Europe region and beyond
2019	Regional seminar on IMT-2020: Challenges and opportunities
	Report on National Strategies for 5G Implementation and Pilot Projects
	Regional Regulatory Event, September/October, Budva
	Europe focused enhancement of ITU Interactive Transmission Maps including collection of information from official sources
	Twinning programmes within the Europe region and beyond
2020	Regional seminar on next generation access networks
	Report on next generation access networks
	Regional regulatory event, September/October, Budva
	Europe focused enhancement of ITU Interactive Transmission Maps including collection of information from official sources
	Twinning programmes within the Europe region and beyond
2021	Regional seminar on connectivity with focus on topics to be agreed with countries and ITU experts
	Report on quality of services and consumer protection frameworks
	Regional regulatory event, September/October, Budva
	Europe focused enhancement of ITU Interactive Transmission Maps including collection of information from official sources
	Twinning programmes within the Europe region and beyond

PROJECT PROPOSALS

PROJECT ONE: **National broadband plans and feasibility studies for high speed full coverage connectivity.**

Objective: To support administrations in reviewing their national broadband plans and conducting feasibility studies for deployment of ubiquitous resilient high-speed connectivity, including 5G/IMT2020 and digital broadcasting deployment, with all relevant components including legislation, standards, organizational set-up, capacity building and cooperation mechanisms. Support to countries in establishment of national mapping systems.

Beneficiaries: Up to 6 countries
Budget : ~250,000 USD
Timeframe: 2018 - 2021

PROJECT TWO: Investment Opportunities Mapping System

Objective: Building upon ITUs Interactive Transmission Map for Europe this project will develop additional features through the use of predictive algorithms to identify investment opportunities, taking into account existing broadband infrastructure and desired level of high speed connectivity depending on the technologies applied and return on investment predictions.

Beneficiaries: Up to 3 countries
Budget : ~150,000 USD
Timeframe: 2018 - 2021

PROJECT THREE: Deployment of IPv6 and national IXPs

Objective: Provide technical assistance in enhancing telecommunication infrastructure including support for quality of service monitoring systems, national IXP deployment and transition from IPv4 to IPv6.

Beneficiaries : Up to 3 countries
Budget : ~150,000 USD
Timeframe: 2018 - 2021

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.

Potential Partners : UNESCO, EC, Digital Europe, Ministries in charge of digitization processes, including Ministries of Culture regarding cultural heritage

Beneficiary : All 44 ITU Europe region countries

REGULAR ACTIONS

Year	Actions
2018	Twinning programme on identified areas such as electronic identification, digitization of cultural heritage, to optimally implement the digitization process Workshop on Multimedia applications and the future of digital society on 9 July 2018, Slovenia Discussion paper on artificial intelligence in rolling out citizen-centric services

Year	Actions
	ITU Regional Workshop on e-health for Europe and CIS, 17-19 October 2018
2019	Twinning programme on identified areas such as electronic identification, digitization of cultural heritage, to optimally implement the digitization process Promote the mHealth Hub operationalization Regional workshop on artificial intelligence in rolling out citizen-centric services Regional Workshop on Digitization of cultural heritage, presentation and management of digital assets and long-term preservation of digitized material
2020	Twinning programme on identified areas such as electronic identification, digitization of cultural heritage, to optimally implement the digitization process Regional Workshop on emerging trends in digitization and applications in Europe
2021	Twinning programme on identified areas such as electronic identification, digitization of cultural heritage, to optimally implement the digitization process

PROJECT PROPOSALS

PROJECT 1: **Regional Platform to Accelerate the process of National and Regional Digitization of Citizen Centric Services, in particular digitization of cultural heritage**

Objective: To provide a regional platform for exchange of practices, while building human capacities and expert networks across the region. This will include the following 1) The development of best practices and implementation experiences of the countries currently going through the process of digitization; 2) Collection of citizen centric e-services case studies in Europe; 3) Stocktaking of existing technical solutions and emerging technologies for accelerating digitization and digital transformation.

Beneficiary: All 44 ITU Europe region countries
Budget: ~75,000 USD
Timeframe: 2018 - 2021

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.

Potential Partners : EC, ILO, UN-CRPD, G3ict, Zero Project , Apple, Microsoft, Google, ICT Industry,
Beneficiary : All 44 ITU Europe region countries

REGULAR ACTIONS

Year	Actions
2018	Development and launching of self-paced online training on Procurement of accessible ICT products and services comprising of 3 modules with an expected participation of 100 certified professionals. First Edition of Accessible Europe Forum, 11-13 December, Austria National Workshops for Experts on ICT accessibility for 4 countries Twinning programme on ICT accessibility ITU Europe regional celebration of the Girls in ICTs Day co-organised with European Commission, 28 April 2018, Sofia Digital Youth Forum, 17 May 2018, Warsaw ITU-EC EU Code Week, Brussels Develop tools for training entrepreneurs and SMEs to set up coding bootcamps
2019	Promotion of self-paced online training on Procurement of accessible ICT products and services comprising of 3 modules with an expected participation of 100 certified professionals. Second Edition of Accessible Europe Forum National Workshops for Experts on ICT accessibility for 4 countries Twinning programme on ICT accessibility Digital Youth Forum, 17 May 2018, Warsaw Regional Hackathon on Digital Skills for Employability Regional Girls in ICT Day event

Year	Actions
2020	Promotion of self-paced online training on Procurement of accessible ICT products and services comprising of 3 modules with an expected participation of 100 certified professionals. Third Edition of Accessible Europe Forum National Workshops for Experts on ICT accessibility for 4 countries Twinning programme on ICT accessibility Digital Youth Forum, 17 May 2018, Warsaw Regional Hackathon on Digital Skills for Digital Inclusion Regional Girls in ICT Day event
2021	Promotion of self-paced online training on Procurement of accessible ICT products and services comprising of 3 modules with an expected participation of 100 certified professionals. National Workshops for Experts on ICT accessibility for 4 countries Fourth Edition of Accessible Europe Forum Twinning programme on ICT accessibility Digital Youth Forum, 17 May 2018, Warsaw Regional Hackathon on Digital Skills for ICT accessibility Regional Girls in ICT Day event

PROJECT PROPOSALS

Project 1: Strengthening national and regional capacities on ICT accessibility through a National Program on web accessibility

Objective: To build capacity of national stakeholders on web accessibility digital content & remediation, and on technical development and design of accessible websites to help them in enhancing their knowledge and skills in building accessible website. A web accessibility evaluation of a specific governmental website will be done by certified local participants. An evaluation report will be prepared which will include remedial actions to make the website accessible.

Budget : ~250,000 USD
Beneficiary: Up to 5 countries
Timeframe: 2018-2021

Project 2: **Coding bootcamps centres in the Mediterranean region**

Objective: Leveraging on the network of leading bootcamps around the world, identified in collaboration with ILO, this project is a three phase approach to provide training and strategic guidance to stakeholders interested in launching coding bootcamps in the Mediterranean region and in applying coding bootcamp strategies to improve educational and employment outcomes in universities. In the initial phase, ITU and its partners will organize a Mediterranean regional symposium on coding bootcamps to introduce government, academia, ICT companies and tech entrepreneurs to the basic concepts of coding bootcamp operations and instruction methodologies. In the second phase, participating stakeholders will be evaluated on their likelihood for success in launching a coding bootcamp. In the third phase, selected stakeholders will receive additional support in launching their bootcamps.

Budget : ~250,000 USD
Beneficiary: up to 5 countries for final phase
Timeframe: 2018-2021

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.

Potential Partners: FIRST, ENISA, ICT Industry, Empowering Children Foundation Poland, UK Safer Internet Centre
Beneficiary: All 44 ITU Europe region countries

REGULAR ACTIONS

Year	Actions
2018	National Assessment Reports for selected countries.

Annual Conference on " The New Global Challenges in Cyber Security", coorganised with CERT-RO on 16-17 September, Bucharest, Romania

Regional Cyberdrill, 28-29 November, Cyprus

Regional report on Cybersecurity commitments [issued end July]

Regional Conference on Cybersecurity and Child Online Protection [Europe and CIS] held in April in Odessa

International Conference: Keeping Children and Young People Safe Online, Warsaw, 18-20 September 2018 |
| 2019 | National Assessment Reports for selected countries. These are roadmaps for establishing or enhancing National and Sectoral Computer Security Incident Response Teams [CSIRTs]

Regional Cyberdrill, Date TBC, Romania

Regional report on Cybersecurity commitments

Regional Conference on Cybersecurity and Child Online Protection

International Conference: Keeping Children and Young People Safe Online, Warsaw |
| 2020 | National Assessment Reports for selected countries. These are roadmaps for establishing or enhancing National and Sectoral Computer Security Incident Response Teams [CSIRTs]

Regional Cyberdrill

Regional report on Cybersecurity commitments

Regional Conference on Cybersecurity and Child Online Protection

International Conference: Keeping Children and Young People Safe Online, Warsaw |

2021	National Assessment Reports for selected countries. These are roadmaps for establishing or enhancing National and Sectoral Computer Security Incident Response Teams [CSIRTs] Regional Cyberdrill Regional report on Cybersecurity commitments Regional Conference on Cybersecurity and Child Online Protection International Conference: Keeping Children and Young People Safe Online, Warsaw

PROJECT PROPOSALS

Project 1: National Cybersecurity Capacity Enhancement

Objective : To develop roadmaps for establishing or enhancing National and Sectoral Computer Security Incident Response Teams [CSIRTs] and to implement the roadmaps through capacity building and infrastructure enhancement including the setting of national and sectoral CSIRTs.

Budget: ~500,000 USD
Beneficiary: Up to 2 countries for implementation
Timeframe: 2018-2021

Project 2: Strengthening Child Online Protection through Schoolss

Objective: To conduct national assessment and propose an action plan to enhance on Child Online Protection environment and infrastructure, with particular focus on online protection through schools where implementation of school online protection standards can be effected.

Budget :   200,000 USD
Beneficiary: Up to 3 countries for assessment and up to 1 country for implementation
Timeframe: 2018-2021

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.

Potential Partners: UNIDO, INPUT Hungary, Ericsson, INMARSAT
Beneficiary: All 44 ITU Europe region countries

Year	Actions
2018	In country support to train at least 30 national experts trained and develop the country's digital innovation profile Twinning programme on identified areas facilitated by ITU Collect, analyse and publish a regional good practices report to accelerate and drive digital transformation. Regional Innovation Forum for training experts on new ITU toolkits for future national implementation, Oslo, Norway on 21-23 November 2018
2019	In country support to train at least 30 national experts trained and develop the country's digital innovation profile Twinning programme on identified areas facilitated by ITU Collect, analyse and publish a report on Good practices on Technology ecosystem development supporting key economic sectors. Regional Innovation Forum for training experts on new ITU toolkits for future national implementation
2020	In country support to train at least 30 national experts trained and develop the country's digital innovation profile Twinning programme on identified areas facilitated by ITU Conduct an assessment of ICT Innovation in National Policies in Europe and publish a report. Regional Innovation Forum for training experts on new ITU toolkits for future national implementation.
2021	In country support to train at least 30 national experts trained and develop the country's digital innovation profile Twinning programme on identified areas facilitated by ITU Regional Innovation Forum for training experts on new ITU toolkits for future national implementation.

PROJECT PROPOSALS

Project 1: Accelerating Digital Transformation through Digital Entrepreneurship and ICT Centric Innovation Ecosystems
Objective: To provide in country support to develop a national roadmap with 3 priority flagship projects including identification of funding, while providing seed funding for implementing a flagship project.

Budget: ~300,000 USD
Beneficiary: Up to 3 countries
Timeframe: 2018-2021

Project 2: Connecting ICT Centric Innovation ecosystems to the regional economic agenda to attain sustainable development goals

Objective: To develop a platform for scaling up capacity building, assessments, funding and good practices / case studies sharing on Digital Transformation. Sustainable funding models to support the innovation ecosystems will be identified. A framework for sustainable funding models to support innovation ecosystems will be developed based on which funding of at least 2 regional projects will be undertaken.

Budget: ~300,000 USD
Beneficiary: Up to 6 countries
Timeframe: 2018-2021