

ITU REGIONAL DEVELOPMENT FORUM FOR EUROPE

ITURDF

ROME2019

ITU Regional Initiatives for EUROPE

Monday, 6 May 2019
Rome, Italy

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

Jaroslav PONDER
Head of the ITU Office for Europe
EURregion@itu.int | [@ITU_EUR](https://twitter.com/ITU_EUR)

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

Hosted by



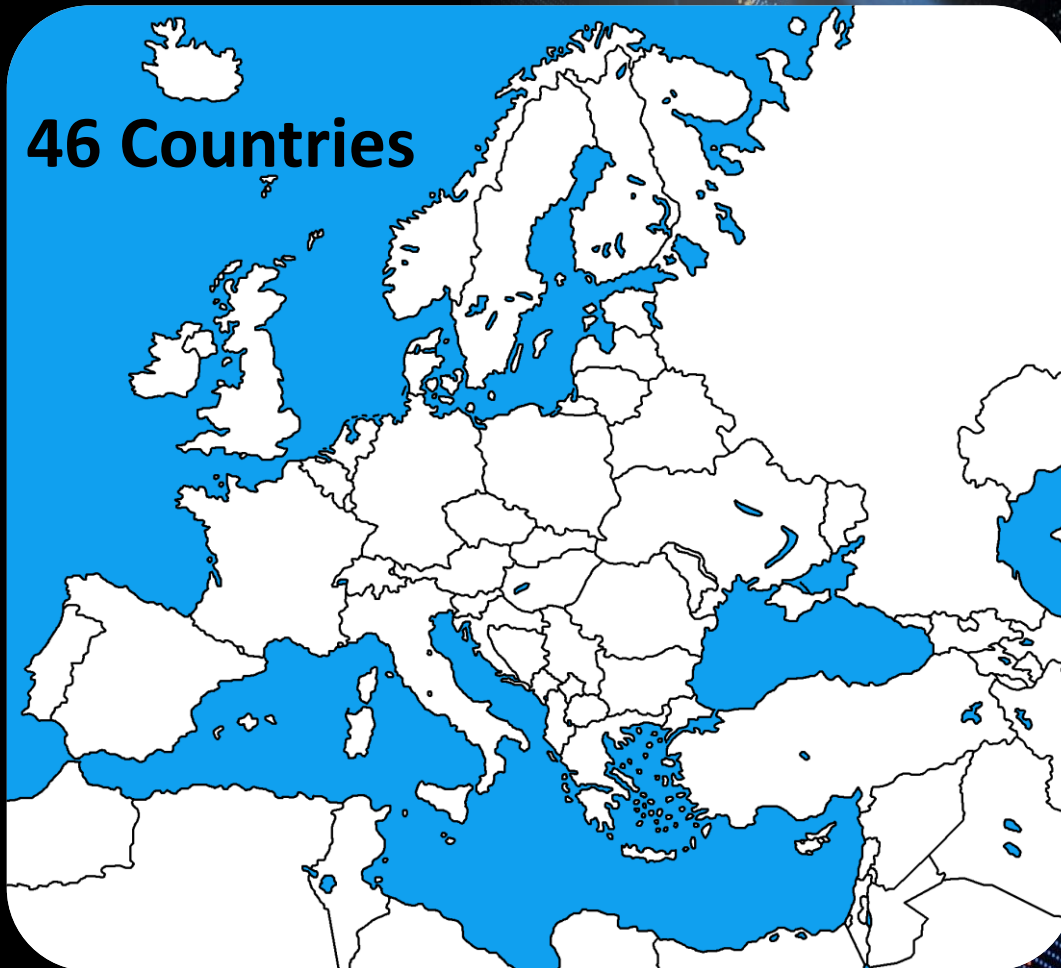
Ministero dello Sviluppo Economico

#ICT4SDG



EUROPE REGION

EUROPE



46 Countries



#ICT4SDG



Regional Initiatives for Europe

EUROPE

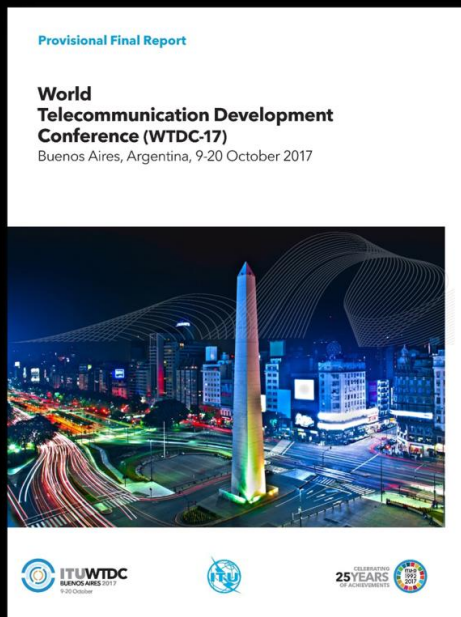
Broadband infrastructure, broadcasting and spectrum management

A citizen-centric approach to building services for national administrations

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

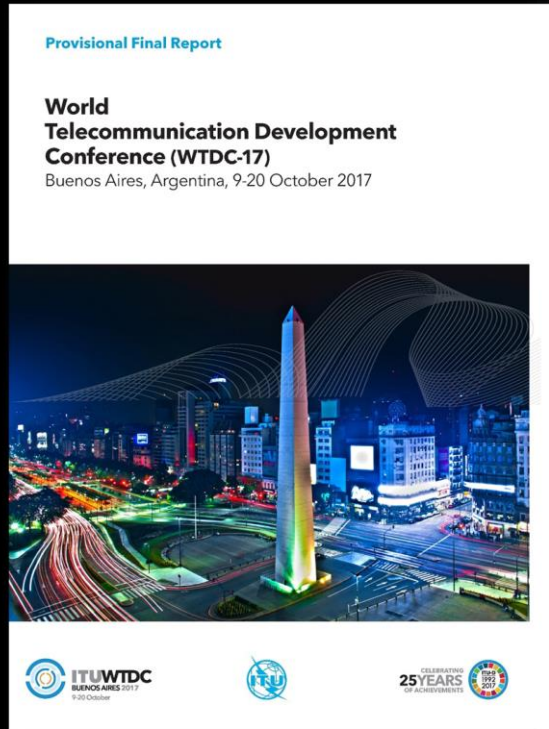
Enhancing trust and confidence in the use of information and communication technologies

ICT-centric innovation ecosystems



Implementation Framework

EUROPE



International Telecommunication Union Telecommunication Development Bureau		Logo «Partner name»
Project Budget Number:		SUMMARY OF CONTRIBUTIONS
Project Title:		Project Budget
Project Short Title:		Project Personnel
Start Date:		Equipment
Estimated End Date:		Training of Trainers
Government Coop. Agency:		Relay/voice
Implementing Agency:		Monitoring & Evaluation
Project Site:		Work/finance
Beneficiary Country:		ITU admin Support Cost
ITU Project Manager:		Total:
Brief Description:		Cost sharing
This project aims at assisting Member States in order to offer e-accessibility (including Internet, information access and digital television) to blind people and people with visual impairment problems. To achieve this objective, ITU shall jointly with countries in Central and Eastern Europe promote the e-accessibility initiative and help them to achieve this goal through the creation of national and regional specialized libraries/databases in order to provide large-scale access via Internet for blind people and people with impairment problems; the establishment of relevant facilities (hardware and software) and implementation of training for users and instructors; the promotion and the fostering widespread adoption of access services via digital television.		Participating countries Contribution (in kind)
On Behalf of		Training
Signature		Training Room / Business Centre
Date		Communication Facilities
Name/Title		Infrastructure
ITU:		
		Mr. Brahim Sanou Director of BOT

Building Blocks & Impact of Initiatives

EUROPE



#ICT4SDG

 **SUSTAINABLE DEVELOPMENT GOALS**

2025
working together towards

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



Implementing Regional Initiatives

EUROPE



#ICT4SDG



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



PRIORITIES 2018-2021

EUROPE

**ICT
Infrastructure**



**Digitization
e-Services**



**Digital
Inclusion**



Cybersecurity



Innovation



#ICT4SDG

 **SUSTAINABLE
DEVELOPMENT GOALS**

working together towards
2025

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



INFRASTRUCTURE



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



#ICT4SDG



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



INFRASTRUCTURE



- A series of seminars and workshops built the capacity of more than 1 100 stakeholders in the field of spectrum management and transition to digital broadcasting. This includes the following meetings:
 - Workshop on **The Future of Cable TV**, Geneva, Switzerland (25-26 January 2018)
 - Regional Seminar for Europe and CIS on **Digital Future Powered by 4G/5G**, Kiev, Ukraine (14-16 May 2018)
 - Regional Seminar for Europe and CIS on 5G Implementation in Europe and CIS: **Strategies and Policies Enabling New Growth Opportunities**, Budapest, Hungary (3-5 July 2018)
 - Regional Workshop for Europe and CIS on **"Broadband Development based on 4G and 5G Technologies"**, Almaty, Republic of Kazakhstan (17-18 September 2018)
 - Baltic Sea Region 5G Ecosystem Forum **"5G Technology"**, Riga, Latvia (27-28 September 2018)
 - Regional Regulatory Forum for Europe on **"Evolving Regulatory Frameworks for Digital Future"**, Budva, Montenegro (1-2 October 2018)
 - Forum on **"Towards 5G Enabled Gigabit Society"**, Athens, Greece (11-12 October 2018)
 - 3rd Annual CIS and CEE Spectrum Management Conference and ITU Workshop **"How to achieve interference free communication at the current technological stage"**, Minsk, Belarus (08/04/2019 - 11/04/2019)

INFRASTRUCTURE



- The following **publications** were made available in 2018:
 - The Future of Cable TV in Europe
 - ICT for Sustainable Energy
 - Workshop reports
- The Europe region part of the **ITU Broadband Map** was updated by reflecting the networks of several European operators.
- A **twinning programme** between Hungary and Albania led to an exchange of best practices in the field of spectrum management, in addition to development of the new spectrum strategy and policy in Albania.
- The above mentioned activities have been supplemented by a series of trainings delivered by the Europe region network of **ITU centres of excellence** that built capacity of more than 600 participants in field of broadband, Internet governance, cybersecurity and next generation networks.

DIGITIZATION and e-SERVICES



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

#ICT4SDG



DIGITIZATION and e-SERVICES



- The following series of events provided unique platforms for more than 600 stakeholders to exchange best practices, build capacities and partner in the field of the adoption of broadband:
 - ITU Co-organized **Hague Summit** for Accountability & Internet Democracy, The Hague, Netherlands (31 May 2018)
 - ITU Workshop on "Multimedia applications and the future of digital society", Ljubljana, Slovenia (9 July 2018)
 - ITU Regional Workshop for Europe and CIS «Complex Aspects of eHealth Development», Odessa, Ukraine (17-19 October 2018)
 - ITU Workshop on Enhancing Human Life Using e-Services, Geneva, Switzerland (25 March 2019)
 - ITU Workshop for Europe and CIS on Using ICT for Saving Lives, Odessa, Ukraine (24-26 April 2019)
- **ITU-WHO Project** on establishment of European mHealth Hub sponsored by European Commission

DIGITAL INCLUSION

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.



#ICT4SDG



DIGITAL INCLUSION



- A **self-paced online course** on “ICT Accessibility: The Key to Inclusive Communication” has been developed and made available to all stakeholders. Thanks to this course, more than 200 stakeholders have built their capacity in fields of ICT accessibility policy, web accessibility and procurement.
- A platform for countries in the Europe region involved in ICT accessibility has been established in partnership with the European Commission, and, as a result, the first ever **ITU-EC Forum for Europe “Accessible Europe: ICT for ALL”** was held in Vienna, Austria (12-14 December 2018), attracting more than 150 stakeholders and resulting in the report identifying the challenges at the European level and possible way forwards.
- The **regional competition on Innovative Digital Solutions for Accessible Europe** was held, attracting more than 50 stakeholders who submitted their achievements in the field of ICT accessibility. The collected information constitutes the basis for a new repository of digital solutions enhancing accessibility.



#ICT4SDG



DIGITAL INCLUSION



- In addition the following events were held:
 - ITU forum was held on **ICT Accessibility a Requisite Towards an Inclusive Digital Society**, Vienna, Austria (23 February 2018), which attracted more than 100 stakeholders.
 - ITU contributed to the agenda of **m-Enabling Summit for Europe**, drawing attention of more than 100 stakeholders and engaging many of them in work with ITU.
 - ITU Forum on **Innovative Digital Solutions for Accessible Europe** (Forum at the Zero Project Conference), Vienna, Austria (21/02/2019)
 - ITU Workshop on **Enhancing Human Life Using e-Services**, Geneva, Switzerland (25 March 2019)
- The following **papers** were developed
 - Standards in the Procurement of Accessible ICT Products and Services
 - Artificial Intelligence and ICT Accessibility
 - Project proposal on web accessibility of public sector websites.

DIGITAL INCLUSION



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.



#ICT4SDG



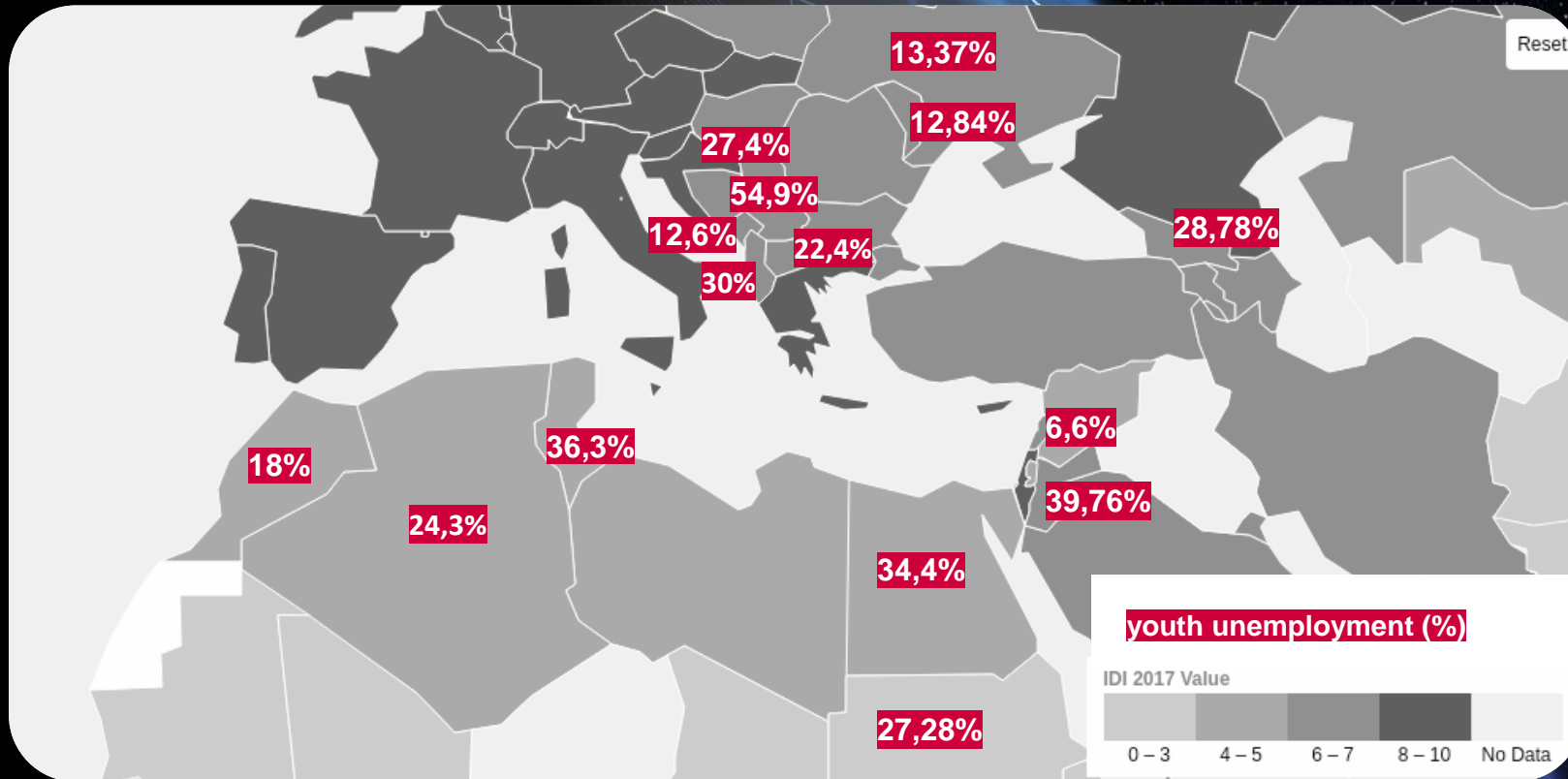
DIGITAL INCLUSION



- In addition the following events were held:
 - ITU and European Commission Girls in ICT Day celebration, Sofia, Bulgaria (28/04/2018)
 - ITU and Com-ITU of CEPT Celebration of the Girls in ICT Day, Bucharest, Romania (08/05/2018)
 - Celebrations of Girls in ICT Day was facilitated and coordinated across the region. Stakeholders from more than 30 European countries reported on their celebrations. In total, over 40 000 girls and young women joined for around 2 000 activities in Europe.
 - Digital Youth Forum, Warsaw, Poland (17/05/2018)
 - ITU-Com-ITU-CEPT Celebration of the Girls in ICT Day 2019, Rome, Italy (07/05/2019)
 - Digital Youth Forum, Warsaw, Poland (23/05/2018)
- Concept note of the project on Digital Skills Development in Mediterranean Region was developed and is under coordination with partners

Fostering Digital Skills for Digital Future

EUROPE



ICT Development Index (IDI) YouthUnemployment Rate (2017)



66 millions
youth worldwide
unemployed



10 millions
jobs with advanced
digital skills



60%

of CIO concerned by
technology shortage



source : ITU; Harvey Nash CIO survey 2015

#ICT4SDG



Fostering Digital Skills for Digital Future

EUROPE



Union for the Mediterranean
Union pour la Méditerranée
الإتحاد من أجل المتوسط



#ICT4SDG



SUSTAINABLE
DEVELOPMENT GOALS



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



CYBERSECURITY



To support the deployment of resilient infrastructure and secure services allowing all citizens, especially children, to use information and communication technologies (ICTs) in their daily lives with confidence.



#ICT4SDG



CYBERSECURITY



- A number of **countries were supported** in the process of strengthening of their cybersecurity capabilities:
 - **Cyprus**: Implementation of project on establishment of the national CSIRT, officially opened in Nicosia, Cyprus, on 25 June 2018.
 - **Bosnia and Herzegovina**: Cybersecurity readiness assessment was prepared.
 - **Albania**: Cybersecurity readiness assessment was prepared.
 - **Georgia**: National child online safety assessment was prepared.
 - **Poland**: ITU expert contributed to the national process of review of the national cybersecurity strategy based on the ITU National Cybersecurity Strategy Guide.
 - In 2019: Malta, San Marino, Albania, Bosnia and Herzegovina, WB

CYBERSECURITY



- A series of seminars and workshops built the human capacity of more than 1 250 stakeholders in field of cybersecurity. This includes the following:
 - Regional Workshop for Europe and CIS on Cybersecurity and Child Online Protection, Odessa, Ukraine (4-6 April 2018).
 - National Event on Child Online Protection: Awareness Day for Children and Teens, Noto, Italy (9 May 2018).
 - 6th Central European Cybersecurity Public-Private Dialogue Platform, Sibiu, Romania (12-14 September 2018).
 - Forum on "Keeping Children and Young People Safe Online", Warsaw, Poland (18-19 September 2018).
 - Forum on "The New Global Challenges in Cyber Security", Bucharest, Romania (16-17 October 2018).

CYBERSECURITY



- A series of seminars and workshops built the human capacity of more than 1 250 stakeholders in field of cybersecurity. This includes the following:
 - ITU Cyber Drill - ALERT (Applied Learning for Emergency Response Teams) for Europe Region, Cyprus (26-30 November 2018).
 - Second Western European Cybersecurity Public-Private Dialogue Platform, Porrentruy, Switzerland (29-30 November 2018).
 - Safer Internet Day 2019, Tirana, Albania (5-6 February 2019)
 - Vienna Cyber Security Week 2019, Vienna, Austria (11-15 March 2019)
- The above-mentioned activities have been supplemented by a series of trainings delivered by the Europe region network of ITU centres of excellence that built capacity of more than 600 participants in the field of broadband, Internet governance, cybersecurity and next generation networks.

ICT Centric INNOVATION



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



#ICT4SDG



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



ICT Centric INNOVATION



- The following publications were made available in 2018:
 - Accelerating Digital Transformation. Good Practices for Developing, Driving and Accelerating ICT Centric Innovation Ecosystem in Europe
 - Digital Innovation Profile for Republic of Serbia
 - Digital innovation Profile for Bosnia and Herzegovina
 - Digital innovation Profile for Montenegro
 - Digital innovation Profile for Norway
- Assistance in building an ICT-centric innovation ecosystem was provided to Montenegro, which included the organization of two national workshops (September and December 2018), engaging relevant stakeholders, processing a series of more than 120 interviews, building a Digital Innovation Profile, including a series of recommendations and projects.

ICT Centric INNOVATION



- A number of seminars and workshops built the human capacity of more than 1 000 stakeholders in field of ICT-centric innovation ecosystems and bridging digital innovation divide. This includes the following:
 - ITU Innovation Track of the WSIS Forum 2018: Digital Transformation: Building Vibrant ICT-Centric Innovation Ecosystems, Geneva, Switzerland (19 March 2018).
 - ITU Regional Innovation Forum for Europe on Bridging The Digital Innovation Divide: Fostering Digital Entrepreneurship and Startup Ecosystems, Oslo, Norway (21-23 November 2018).
 - ITU Forum on Innovative Digital Solutions for Accessible Europe (Forum at the Zero Project Conference), Vienna, Austria (21 February 2019)
 - Innovation Track at the WSIS Forum 2019, Geneva, Switzerland (08 April 2019)
- Ongoing work with countries: Georgia, Greece, Hungary, Montenegro, Poland

Examples of Projects under Development

Building Digital Skills for Digital Economy in the Mediterranean Region (1.2 Mio. USD)

- Union Mediterranean, European Commission, ILO, UNIDO, Development Agencies, Others

Building Cybersecurity Capacities (500K USD)

- Development Agencies, European Union, Administrations, Others

Making Web Accessibility Reality (250K USD)

- Development Agencies, European Disability Forum, Administrations, Others

Investment Opportunities Map (100K USD)

- UKE, European Commission, Administrations, Development Banks

Innovative Digital Solutions for Accessible Europe (100K USD)

- Mobile Operators, EC, EDF, G3ICT, Others


Fostering ICT-Centric Innovation Ecosystems (300K USD)

- Development Agencies, Administrations, Others

ITU Centres of Excellence


EUROPE

CYBERSECURITY BROADBAND ACCESS E-WASTE
CONFORMANCE AND INTEROPERABILITY CAPACITY BUILDING IN INTERNET GOVERNANCE



TRAINING OPPORTUNITIES 2018

Offered by the ITU Centres of Excellence for Europe



STRATEGIC ASPECTS FOR INTERNET GOVERNANCE AND INNOVATIONS [5-12 February].....
LEGAL AND REGULATORY BARRIERS TO THE INTRODUCTION OF CLOUD SERVICES IN THE EU [5-12 March].....
WIRELESS ACCESS TECHNOLOGIES TO INTERNET NETWORK [2-9 April].....
FIBER OPTIC SPLICING AND INSTALLATION [23-25 May].....
FUTURE BROADBAND INTERNET ACCESS [29 May - 25 June].....
CYBER SECURITY AWARENESS FOR SMES [04 June].....
SOFTWARE CONFORMANCE TESTING AND AUDIT [27-28 June].....
INTERNATIONAL SUMMER SCHOOL ON CYBERSECURITY [09-13 July].....
SECURITY AND QOS IN INTERNET NETWORK [24 September-01 October].....
INTRODUCTION TO CYBER SECURITY FOR LIFECYCLE OF THE NEW MILLENNIUM [01 October].....
BROADBAND ACCESS [October].....
NETWORK AND IT SECURITY [October].....
TECHNICAL, BUSINESS AND REGULATORY ASPECTS OF 5G NETWORK [25-26 October].....
FIBER OPTIC SPLICING AND INSTALLATION [24-26 October].....
NEXT GENERATION MOBILE BROADBAND [20 November - 17 December].....
CE MARK FOR TELECOMMUNICATION, ACHIEVING COMPLIANCE FROM THE DIRECTIVES TO THE TEST LAB [21-23 November].....

ITU Centres of Excellence for Europe

Training opportunities 2019



ITU Academy
Empowering minds



NO	TRAINING COURSE TOPIC	COE	DATES	VENUE	TRAINING FEE	TYPE OF TRAINING
1	Strategic Aspects for Internet Governance and Innovations	NIT	4-11 March	Online	150 USD	Online
2	Wireless Access Technologies to Internet Network	NIT	8-15 April	Online	150 USD	Online
3	Cybersecurity Techniques	ISS	May-December	Online: Self-paced	250 USD	Online
4	Governing Cyber Security at the National Level: Best practices and lessons learned	NRD CS	7-10 May	Vilnius, Lithuania	800 USD	Face-to-face
5	Building broadband telemedicine networks and providing e-health services at the local, regional and national levels	ONAT	16-17 May	Odessa, Ukraine	150 USD	Face-to-face
7	Legal and regulatory barriers to the introduction of cloud services in the EU	NIT	20-27 May	Online	150 USD	Online
6	Features of 5G technology implementation at the local (some towns), regional (district, region) and national level	ONAT	23-24 May	Odessa, Ukraine	150 USD	Face-to-face
8	NGN Evolution, Future Networks and Ultra-broadband Internet	FEIT	28 May - 24 June	Online	150 USD	Online
9	Cyber Incident Response (Self-Paced Course)	ISS	June-December	Online: Self-paced	250 USD	Online
10	CODATA/RDA Research Data Science Summer School	ICTP	12-16 August	Trieste, Italy	500 USD	Face-to-face
11	CODATA/RDA Advanced Workshop on IoT and Big-Data Analytics	ICTP	19-23 August	Trieste Italy	500 USD	Face-to-face
12	Security and QoS in Internet Network	NIT	26 August-2 September	Online	150 USD	Online
13	Technical Aspects of Wireless Solutions for the Internet of Things (IoT)	ICTP	2-4 September	Trieste, Italy	500 USD	Face-to-face
14	Incident Response Practice: Hands-on scenario-based training	NRD CS	17-20 September	Vilnius, Lithuania	800 USD	Face-to-face
15	Technical, business and regulatory aspects of 5G Networks	NIT	30 September 7 October	Online	150 USD	Online
16	Automation of broadband networks designing. Selecting the most appropriate solutions to build network	ONAT	October	Ashgabat, Turkmenistan	Free (in Russian)	Face-to-face
17	QoS Technologies and Regulation for Fixed and Mobile	NIT	24-25 October	Warsaw, Poland	500 USD	Face-to-face
18	IoT Entrepreneurship	ICTP	6-8 November	Trieste, Italy	500 USD	Face-to-face
19	The use of adaptive technologies to transmit video over radio channels	ONAT	7-8 November	Odessa, Ukraine	Free (in Russian)	Face-to-face
20	CODATA/RDA/ICTP/TWAS Research Data Science Summer School in West Africa	ICTP	18-22 November	Nigeria	300 USD	Face-to-face
21	Wireless and Mobile Ultra-broadband: LTE-A PRO, WLAN, and 5G NR	FEIT	19 November 16 December	Online	150 USD	Online

#ICT4SDG



ITU Europe and UN System

EUROPE

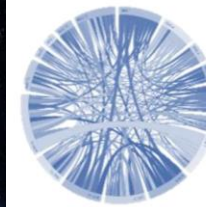
REGIONAL FORUM
ON SUSTAINABLE DEVELOPMENT FOR THE UNECE REGION

GENEVA | 1-2 March 2018



REGIONAL FORUM
ON SUSTAINABLE DEVELOPMENT FOR THE UNECE REGION

GENEVA | 21-22 March 2019



FOCUS EVENT

Technology, Digitalization, Artificial Intelligence –
Curse or Blessing for Sustainable Development?

22 MARCH 2019, 10:00-11:25

Plenary Room, International Conference Centre Geneva (CICG)



Round tables on **SDG 4 (Quality Education)**

- ☐ Learning without Limits: Lifelong Learning and Inclusive Education
- ☐ The Power of Knowledge for Change: Education and Learning as Drivers of Sustainable Development



Round tables on **SDG 8 (Decent Work and Economic Growth)**

- ☐ The Growth We Want: Solutions for Sustained, Inclusive and Sustainable Economic Growth
- ☐ The Future of Work: Productive Employment and Decent Work for All



Round tables on **SDG 10 (Reduced Inequalities)**

- ☐ Bridging the Gap: Achieving Greater Income and Economic Equality
- ☐ Towards a World of Equal Opportunity: Tackling inequality caused by exclusion and discrimination



Round tables on **SDG 13 (Climate Action)**

- Acting for Climate: Stepping Up Climate Change Policies, Action and Awareness in the Region
- Coping with Climate Change: Strengthening Resilience and Adaptation



Round tables on **SDG 16 (Peace, Justice and Strong Institutions)**

- Strengthening Institutions for Change: Fostering Effective and Inclusive Governance for Sustainable Development
- Empowering People to Protect the Planet: The Environmental Dimension of SDG 16

#ICT4SDG



SUSTAINABLE
DEVELOPMENT GOALS



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



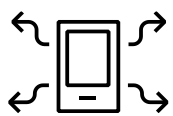
EUROPE

Thank You!!!

EURregion@itu.int

ITU Contribution to WSIS and SDG

ICTs as a key enabler



ICTs improve access to basic services
like education and healthcare, create
jobs, and empower communities



WSIS Action Lines as foundation for contribution
to achievement of Sustainable Development Goals

