



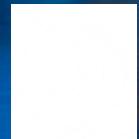
Roadmap to wtdc17

ITU Regional Development Forum for Europe

Budva, Montenegro, 28 September 2016

Jaroslav PONDER

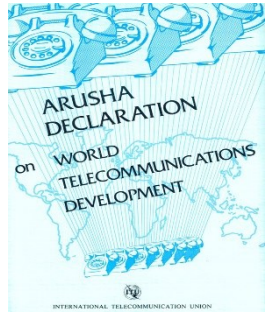
Coordinator for Europe Region



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World Telecommunication Development Conference
Date, Buenos Aires, Argentina

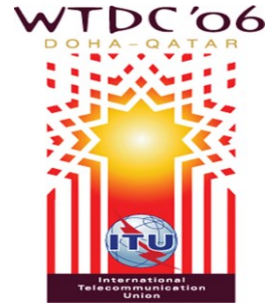
Journey of WTDCs



1985



1998

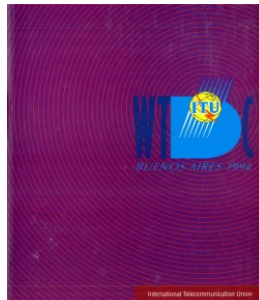


2006



2014

1994



2002



2010



2017



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Agenda

1. wtdc17 Logo & Theme
2. wtdc17 Agenda & Structure
3. wtdc17 Milestones
4. ITU-D Key Achievements:
Areas of Actions (2014-2017)



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World Telecommunication Development Conference
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1. wtdc17 Logo & Theme

1.1. Logo

1.2. Theme



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World Telecommunication Development Conference
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Logo & Theme

Logo: Under Approval Process

Theme: ICT④SDG



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2. wtdc17 Agenda & Structure

2.1. Agenda

2.2. Structure



I Report on the implementation of the Action Plan

1. Sharing success stories and lessons learned from implementing AP
2. Report of the Telecommunication Development Advisory Group
3. Report of ITU-D Study Groups (SGs)
4. Report on the implementation of outcomes of other ITU Conferences, Assemblies and meetings related to ITU-D work
5. ITU-D contribution to World Summit on the Information Society (WSIS) action lines

II ICT policies and strategies for achieving Sustainable Development Goals

Ministerial and Industry leaders' roundtables



III ITU-D work plan for 2018-2021

1. Outcomes of Regional Preparatory Meetings for WTDC-17
2. ITU-D contribution to the ITU Strategic Plan for 2020-2023
3. ITU-D Action Plan for 2018-2021
4. WTDC-17 Declaration
5. TDAG
6. Study Groups
7. Resolutions and recommendations
8. Financing mechanisms for ICT development
9. Any other business



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Structure

I. Pre-Events/Sponsorships

II. Plenary & Committees

III. Social Events

IV. Exhibitions



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3. wtdc17 Milestones

3.1. TDAG

3.2. SGs

3.3. RPMs



I. Telecommunication Development Advisory Group (TDAG)

19th meeting of the TDAG
29 Sept – 1 Oct 2014
Geneva, Switzerland

21st meeting of the TDAG
16 to 18 March 2016
Geneva, Switzerland

20th meeting of the TDAG
28 – 30 April 2015
Geneva, Switzerland

22nd meeting of the TDAG
9 to 12 May 2017
Geneva, Switzerland



II. ITU-D Study Groups Meetings (2014 – 2017 study period)

First meeting

SG1

15 – 19 September 2014
Geneva, Switzerland

SG2

22 – 26 September 2014
Geneva, Switzerland

Second meeting

SG1

14 – 18 September 2014
Geneva, Switzerland

SG2

7 - 11 September 2015
Geneva, Switzerland

Third meeting

SG1

19 – 23 September 2016
Geneva, Switzerland

SG2

26 – 30 September 2016
Geneva, Switzerland

Fourth meeting

SG1

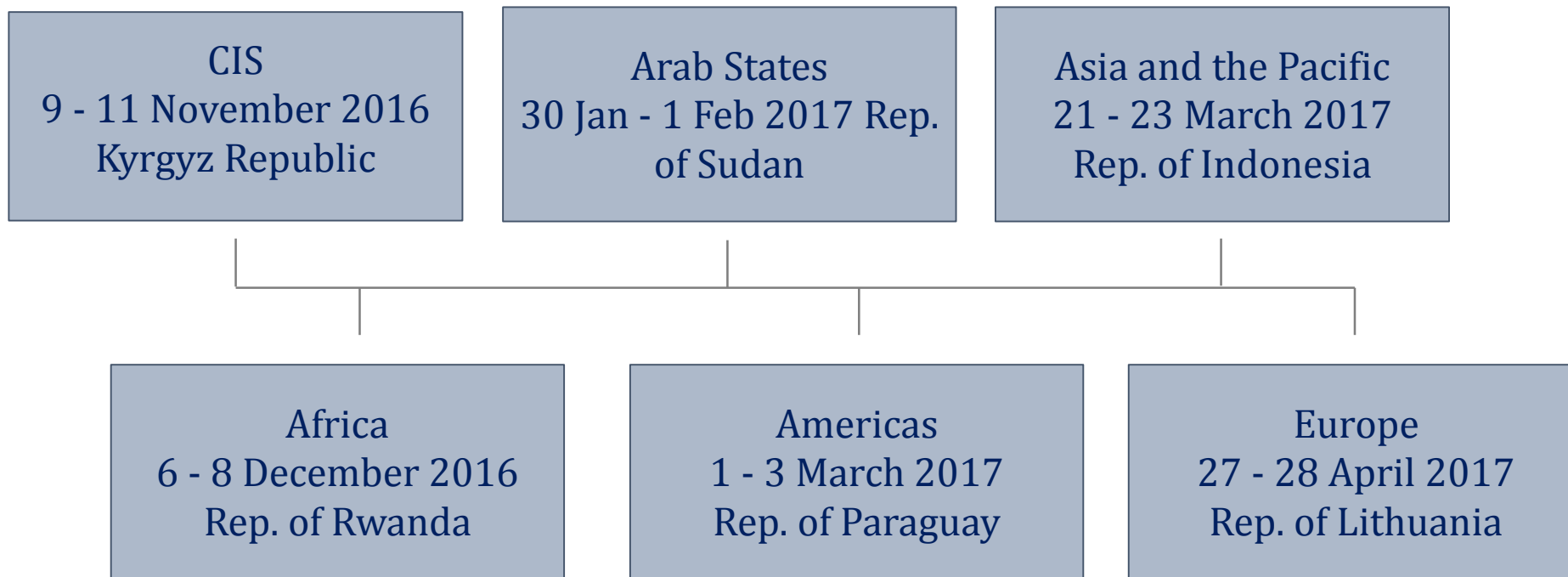
27 – 31 March 2017
Geneva, Switzerland

SG2

3 -7 April 2017
Geneva, Switzerland



III. Regional Preparatory Meetings (RPMs) for WTDC-17



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Regional Preparatory Meetings RPM - CIS



- Regional Preparatory Meeting (RPM) for the CIS:
9 to 11 November 2016 in the **Kyrgyz Republic**
- Regional Development Forum for the CIS:
8 November 2016

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Regional Preparatory Meetings RPM - EUR



- Regional Preparatory Meeting (RPM) for EUR:
27 to 28 April 2017 in the **Lithuania**
- Regional Development Forum for EUR:
26 April 2017

Note: Meeting of Com-ITU CEPT 24-25 April 2017

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2016 RDF-EUR



Regional Development Forum (RDF) for EUR 27 to 28 September 2016 in Montenegro ICTs FOR SUSTAINABLE DEVELOPMENT

High Level Round Table: National and Regional Strategies Fostering the Growth of Digital Economy for Sustainable Development

Session Four: Towards the World Telecommunication Development Conference 2017: Regional Emerging Trends, Challenges, Opportunities and Needs

- ***Preparatory process for WTDC-17:*** Mr Jaroslaw Ponder, Coordinator for Europe Region, ITU
- ***Road to WTDC-17: Stop in Vilnius:*** Mr Paulius Vaina, Chairman of PT on WTDC-17 of the Com-ITU CEPT and Acting Head of International and Public Relations Division, RRT, Lithuania

TDAG Correspondence Group on Strategic Plan, Operational Plan and Declaration

- The revised preliminary drafts will be provided to all six Regional Preparatory Meetings for any further input.
- Outcomes of RPMs will be consolidated at the inter-regional coordination meeting and TDAG 2017 meeting, and submitted to WTDC-17 as draft documents for consideration.

TDAG Correspondence Group on Streamlining WTDC Resolutions

- Second meeting: 28 September 2016



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4. ITU-D Key Achievements: Areas of Actions



OBJECTIVE 1: Foster international cooperation on telecommunication/ ICT development issues.

Output 1.4: Study Groups

SDGs and WSIS Action Lines:

- SDGs: 1 (target 1.b), 3 (target 3.d), 5, 10, 16 (targets 16.5, 16.6, 16.10), and 17 (targets 17.9, 17.16, 17.17, 17.18).
- WSIS: C1 and C11.

Resolutions:

- WTDC: 1, 2, 5, 9, 21, 30, 37, 59, 61 and 71.
- PP: 70, 166, 167 & 188.



Key Achievements:

Main products:

Reports, Guidelines, Best Practices and Recommendations based on input gathered through contributions, case studies and surveys, which are made available to the membership through content management systems and web publication tools.

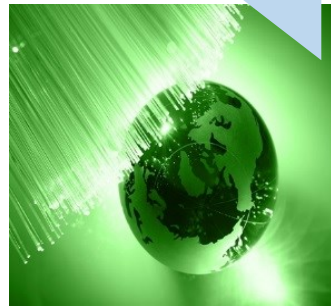
Main services:

ITU-D Study Groups provide an opportunity for the Membership to share experiences, present ideas, exchange views, and achieve consensus on appropriate strategies to address telecommunication/ICT priorities.

- **Knowledge platform:** Study Group outputs serve as guidance for the implementation of policies, strategies, projects and specific telecommunication/ICT initiatives in Member States and assist in strengthening the shared knowledge base.
- **Information exchange:** Sharing and exchanging information on topics of common interest and dedicated topics of interest (study Questions) through face-to-face meetings, multilingual remote participation, online collaborative sites, etc. among members with the leadership of appointed Chairmen, Vice-Chairmen, Rapporteurs and Vice-Rapporteurs.

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

Study Groups (2)



ITU-D Study Group 1 and 2 scope of work and 18 topics under study:

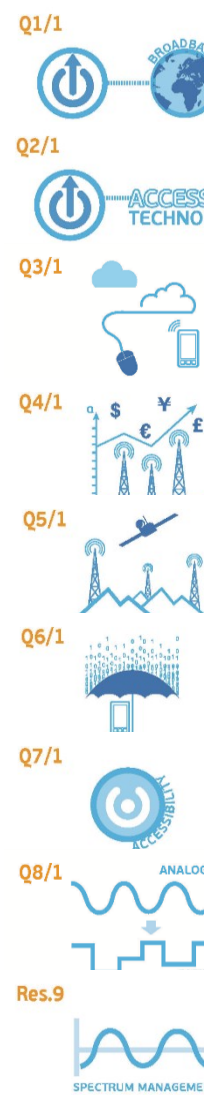


Study Group 1: Enabling environment for the development of telecommunications/ ICTs

- National telecommunication/ICT policy, regulatory, technical and strategy development, including broadband, as an engine for sustainable growth.
- Economic policies and methods of determining costs of telecoms/ICT services.
- Access to cloud computing services.
- Access to ICTs for rural/remote areas and to ICT services by persons with disabilities & specific needs.
- Consumer protection.
- Spectrum management, including the ongoing transition from analogue to digital terrestrial television broadcasting, and use of the digital dividend.

Study Group 2: ICT applications, cybersecurity, emergency telecommunications and climate change adaptation

- Telecommunications/ICT services and applications, including e-health and applications to create the smart society.
- Building confidence and security in the use of ICTs
- The use of telecommunications/ICTs in mitigating the impact of climate change on developing countries, and for natural disaster preparedness, mitigation and relief.
- Conformance and interoperability testing.
- Human exposure to electromagnetic fields and safe disposal of electronic waste.
- The implementation of telecommunications/ICTs, taking into account work by ITU-T and ITU-R, and the priorities of developing countries.



Partnerships and collaboration:

- Networking, expert meetings and workshops on topics of particular interest to the Membership.
- Exhibition space to showcase innovative products and services.
- Sponsorship opportunities to support activities around the ITU-D Study Groups.

Future opportunities:

- New study topics of interest and importance to the Membership;
- A diverse range of Members collaborating and exchanging information, experiences, and lessons learned;
- Extended platform for capacity building and training.





OBJECTIVE 2: Foster an enabling environment for ICT development and foster the development of telecommunication/ICT networks as well as relevant applications and services, including bridging the standardization gap.

Output 2.1: Policy and regulatory frameworks

SDGs and WSIS Action Lines:

- SDGs: 2.a, 4.4, 5.b, 8.2, 8.3, 9.1, 9.c, 10.3, 11.3, 11.b, 16.3, 16.6, 16.7, 16.10, 16.b, 17.6, 17.14, 17.1.
- WSIS: C6 - Enabling Environment.

Resolutions:

- WTDC: 8 (statistics/databases), 17 (regional initiatives), 22 (alternative calling), 23 (internet access), 30 (WSIS), 32 (international and regional cooperation), 36 (support ATU), 48 (cooperation regulators), 64 (consumers), 71 (academia), 77 (BB), 78 (tel. numbers) and 79 (counterfeit) and Recommendations ITU-D 15 (costing) and ITU-D 16 (tariffs).





Key Achievements:

Main products:

Research, Data and Analysis (ICT Regulatory Tracker, ICTEye); Knowledge Exchange Tools (ICT regulation Toolkit, Trends in Telecommunication Reform, Thematic Reports, Portals); Strategic Dialogues and Forums (GSR and its pre-events; Strategic Dialogues on topical ICT issues, including International Mobile Roaming and Universal Access and Service for SDGs).

ITU-D SGs:

- *Q1/1: (Broadband: Policy, regulatory and technical aspects);*
- *Q3/1: (Cloud computing);*
- *Q4/1: (Economic policies and methods);*
- *Q6/1: (Consumer protection).*

Projects:

- Access to International Connectivity.



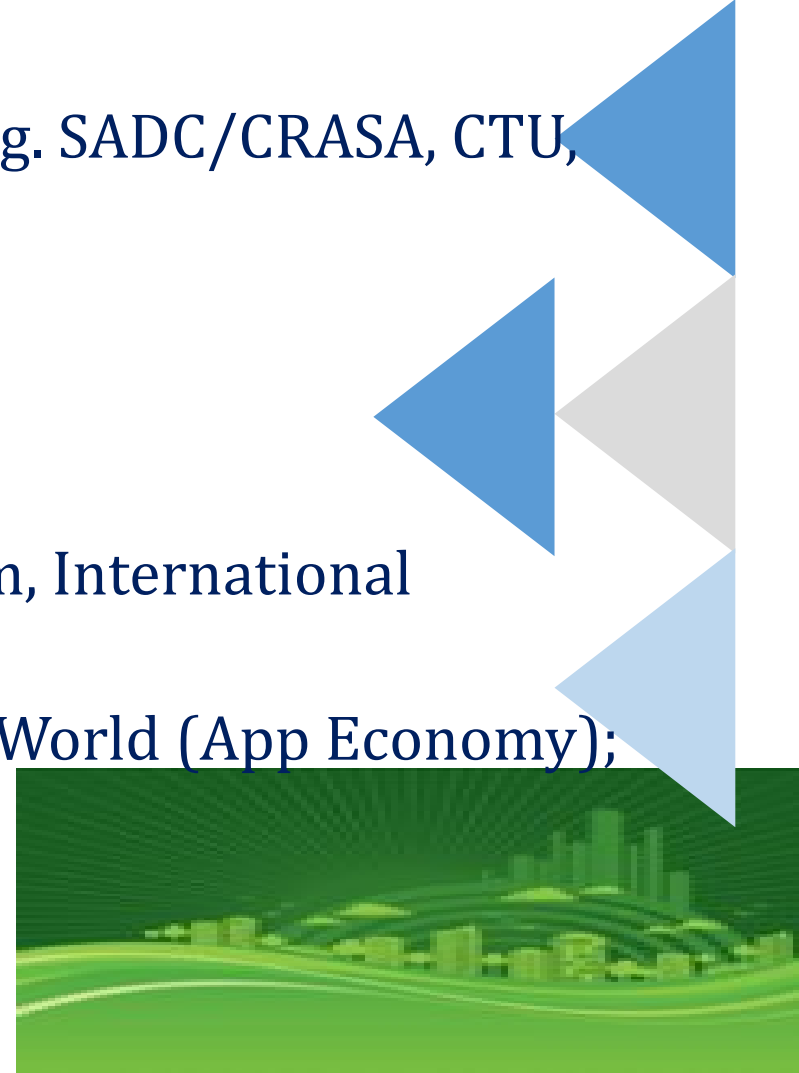


Partnerships and Collaboration:

- Regional Regulatory Associations; Regional Communities (e.g. SADC/CRASA, CTU, ECOWAS); GSMA, Regional Development Banks, EC.

Future opportunities:

- Let's Roam the World (IMR);
- Affordable Access to Achieve SDGs (Universal Service Reform, International Connectivity);
- Building Blocks for Collaborative Regulation in a Connected World (App Economy);
- Regulatory Outlook Report and Regulatory KPIs.





OBJECTIVE 2: Foster an enabling environment for ICT development and foster the development of telecommunication/ICT networks as well as relevant applications and services, including bridging the standardization gap.

Output 2.2: Telecommunication/ICT networks

SDGs and WSIS Action Lines:

- SDGs: 1, 8, 9,11.
- WSIS: C2 - Information and Communication Infrastructure.

Resolutions:

- WTDC: 9, 11,13, 15, 17, 18, 20, 21, 22, 23, 25, 30, 32, 35, 37, 39, 43, 47, 50, 51, 52, 57, 62, 63 and 77;





Key Achievements:

Main products:

- Next-generation networks:
- Broadband networks:
- Conformance and interoperability (C&I) program. ITU Interactive Transmission Maps.

ITU-D SGs:

- Q1/1: *(Broadband: Policy, regulatory and technical aspects);*
- Q2/1: *(Broadband access technologies);*
- Q5/1: *(Telecommunications/ICTs for rural and remote areas);*
- Q4/2: *(Economic policies and methods).*

Projects:

- 7 Broadband Wireless Network Projects;
- IXP Project for Montenegro.





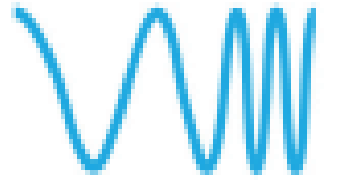
Partnerships and Collaboration:

- **Regional Communities:** ECOWAS; COMTELCA; EACO; SADC; Maghreb; CTU; UNESCAP; CITEL.
- **International Organizations:** ILAC; IAF; ISO/CASCO, Internet Society.
- **Private Sector:** TiLab; CERT; CPqD; ZNIIS; MIIT; McCaw Foundation; TeleGeography.

Future opportunities:

- Building on Broadband for the Information Society and SDGs for ALL;
- NGN Communications for OTT, Internet of Things (IoT) and communication for Smart GRIDS;
- Internet exchange points (IXPs) as a long-term solution to advance cost effective connectivity including the Transition from IPv4 to IPv6;
- ITU Interactive Transmission Maps: An Information platform and Strategic Planning tool for Smart Cities and Smart Grids etc.





OBJECTIVE 2: Foster an enabling environment for ICT development and foster the development of telecommunication/ICT networks as well as relevant applications and services, including bridging the standardization gap.

Output 2.2: Telecommunication/ICT networks

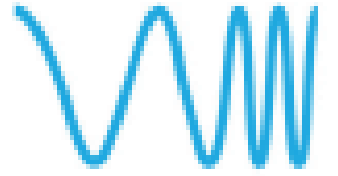
SDGs and WSIS Action Lines:

- SDGs: 1, 3, 5, 8, 9, 10, 11, 16, 17.
- WSIS: C3 – Access; C7 - e-Science; C9 - Media.

Resolutions:

- WTDC: 9 and 10 (Spectrum), 17 (RI), 18 (Palestine), 20 (Access), 21 (Regional organizations), 30 (WSIS), 32 (RI), 33 (Serbia), 35 (Africa), 39 (Americas), 43 (IMT), 47 (ITU recommendations), 57 (Somalia), 62 (EMF).





Key Achievements:

Main products:

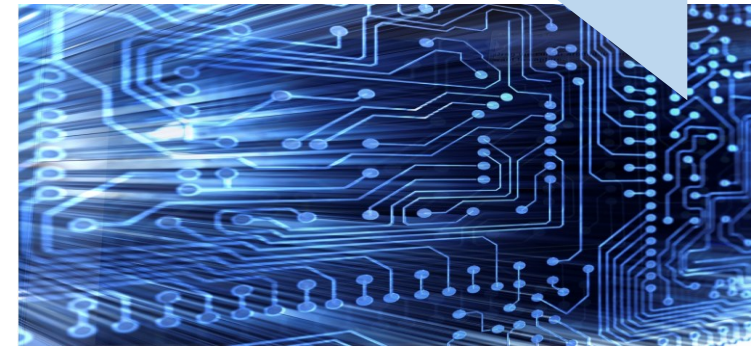
Broadcasting: DTTV transition handbook, Licensing toolkit, broadcasting trends, country roadmaps, DSO database, Spectrum Management: SMS4DC, Guidelines: NTFA, assessment, monitoring, spectrum fee; SM Master Plans, cross-border frequency coordination; SMTP.

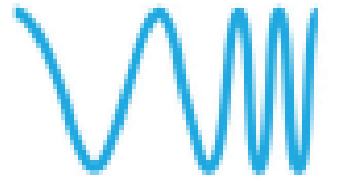
ITU-D SGs:

- *Q8/1: (Analogue to digital migration);*
- *Resolution 9: (Spectrum management);*
- *Q7/2: (Human exposure to electromagnetic fields).*

Projects:

- SM Master plans (ASP and Caribbean);
- SMS4DC development;
- Master Plans and country assistance in SM (ASP).





Partnerships and Collaboration:

- Regional spectrum management organizations (e.g. CITELE, CEPT, ATU); Regional Communities (e.g. SADC/CRASA, CTU, ECOWAS); Regional and worldwide broadcasting unions (e.g. WBU, EBU, ABU); GSMA, Forum Europe, Latin-American Development Bank, EC.

Future opportunities:

- Spectrum management Forum to collect information about spectrum management activities, contacts, discussing SM related questions
- Development of guidance on creation of the national spectrum management system;
- Promotional work on SMS4DC, further development of the tool;
- Digital radio implementation guideline.





OBJECTIVE 2: Foster an enabling environment for ICT development and foster the development of telecommunication/ICT networks as well as relevant applications and services, including bridging the standardization gap.

Output 2.3. Innovation and partnership

SDGs and WSIS Action Lines:

- SDGs: 9 and 17.
- WSIS: C1, C2, C3, C4, C5, C6, C7 and C11.

Resolutions:

- WTDC: 15,17,21,30,32,34,35,37,50,52,53,58,66 & 82



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Innovation (2)



Key Achievements:

Main products:

Country Reviews, Ecosystem Review, Innovation Platform (innovation.itu.int), co-create advisory (technical assistance), publications, tools (cocreate.itu.int), internal innovation advisory, innovation dialogues, project and policy toolkits; Ecosystem Reviews (Senegal, Hungary); and Innovation Dialogue (OECD, Global symposium Innovation for Development).

ITU-D SGs:

- Contribution to study group innovation to help enhance study group.

Projects:

- Innovation Ecosystem Country Reviews (Albania, Rwanda, Moldova, Thailand, etc.).





Partnerships and Collaboration:

- UNIDO, [UNCTAD](#), [OECD](#), etc.

Future opportunities:

- Comprehensive mapping of national ICT centric innovation ecosystems;
- Developing high impact projects from the various stakeholder groups;
- Creating mechanisms to foster new partnerships and initiatives that support upscale of ICT centric innovation activities;
- Developing mechanisms to reach, engage, support, and nurture ICT centric innovation ecosystems with diverse stakeholders groups.





OBJECTIVE 3: Enhance confidence and security in the use of telecommunications/ICTs, and roll-out of relevant applications and services.

Output 3.1: Building confidence & security in the use of ICTs

SDGs and WSIS Action Lines:

- SDGs: 4, 9, 11 and 16.
- WSIS: C5.

Resolutions:

- WTDC: 45 (Enforcing Cooperation on Cybersecurity, 69 (CIRTs);
- PP: 181 (Definitions) (Guadalajara, 2010), 130 (Role of ITU), 174 (Illicit use of ICTs).





Key Achievements:

Main products:

Global Cybersecurity Index (GCI), National Cybersecurity Strategy assistance, National CIRT program (design, implementation and enhancement), Cyber Drills, awareness-raising events, in-country technical assistance, and Toolkits and publications.

ITU-D SGs:

- Q3/2: (Cybersecurity).

Projects:

- National CIRT establishment;
- Cybersecurity Innovation Centre for the Arab Region;
- National Cybersecurity Strategy Guidelines.





Partnerships and Collaboration:

- UNODC, UNCTAD, OECD, World Bank, ENISA, OAS, The Commonwealth Cybercrime Initiative, NATO CCDCOE, FIRST, London Action Plan, CTO, GCSP, Internet Society, Global Forum on Cyber Expertise (GFCE), Cybercrime Research Institute, Microsoft, Symantec, TrendMicro, Nuix, Silencec, High-Tech Bridge, Intellium, University of Oxford's GCSCC, ...

Future opportunities:

- Comprehensive mapping of constituents' challenges to better understand their specific needs;
- Targeted activities to assess and meet the cybersecurity needs of specific Member States/groups;
- Expand on activities related to innovation and the building of cybersecurity capacity.





OBJECTIVE 3: Enhance confidence and security in the use of telecommunications/ICTs and roll-out of relevant applications and services.

Output 3.2 – ICT Applications and Services

SDGs and WSIS Action Lines:

- SDGs: 2, 3, 4, 6, 7 and 11.
- WSIS: C7.

Resolutions:

- WTDC: 54;
- PP: 183 (PP-14).





Key Achievements:

Main products:

Improve country capacity for the planning of national sectoral e-strategies to foster the enabling environment for upscaling ICT applications;

Leverage ICT/mobile applications to improve the delivery of value-added services in high-priority areas (e.g. health, governance, education, payments, etc.) in order to provide effective solutions for various challenges in sustainable development through public-private collaboration.

ITU-D SGs:

- Q1/2: (Smart society);
- Q2/2: (e-Health).

Projects:

- Mobile Health projects;
- National e-Health, e-Agriculture and e-Learning Strategy Development;
- Policy Forums for e-Health, e-Agriculture and e-Learning;
- Policy Reviews for Digital Learning.





Partnership and Collaboration:

- WHO, FAO, UNESCO, UNICEF, EU, ARM, Verizon, GSK, Novartis, Bupa, Intel, NCD Alliance, IFPMA.

Future opportunities:

- Develop tailored solutions and applications for health, agriculture, education and energy;
- Engage with partners to develop frameworks and strategies in the areas of e-Health, e-Agriculture, e-Learning and Sustainable Energy;
- Engage with development partners to promote appropriate ICT Applications and innovations for SDGs.





OBJECTIVE 4: Build human and institutional capacity, promote digital inclusion, provide data and statistics, foster innovation, and provide concentrated assistance to countries in special need /

Output 4.1: Capacity building.

SDGs and WSIS Action Lines:

- SDGs: 1.b, 2.3, 3.7, 3.b, 3.d, 4.4, 4.7, 5.5, 5.b, 6.a, 12.7, 12.8, 12.a, 12.b, 13.2, 13.3, 13.b, 14.a, 16.a, 17.9, 17.18
- WSIS Action Lines: Action Line C4 and C7, but applicable to all.

Resolutions:

- WTDC: 40 (GCBI), 73 (Centres of Excellence)
- PP: 169 (Academia)



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Capacity Building (2)



Key Achievements:

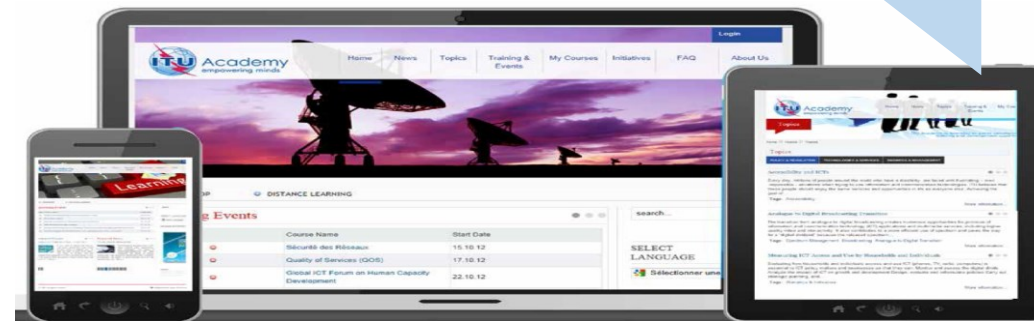
Main products:

Training materials on spectrum management; quality of service; and ICT and climate change; Centres of Excellence network; ITU Academy platform; Learning management system; (<https://academy.itu.int>); Capacity building in a changing ICT environment publication; Alignment of existing training materials to ITU Academy quality standards; Delivery of training through partnerships

Advisory Groups and Initiatives:

- *Group on Capacity Building Initiatives (GCBI);*
- *Centres of Excellence;*
- *ITU Academy.*

<http://www.itu.int/en/ITU-D/Capacity-Building/Pages/default.aspx>





Partnerships and Collaboration:

- ITU Centres of Excellence network;
- Partnership on delivery of online Masters degree in Communications management with United Kingdom Telecommunications Academy;
- Partnership on delivery of Spectrum management training programme with Czech Technical University;
- Partnership on delivery of short courses with Rhode & Schwartz, ITSO, USTTI, AFRALTI, ICTP.

Future opportunities:

- Further enhancement of the ITU Academy;
- Development of training material in Cybersecurity, IoT;
- Partnership with DIPLO to build capacity in international Internet Governance;
- Collaboration with ITU Academia members to develop and deliver specialised training program <http://www.itu.int/en/ITU-D/Capacity-Building/Pages/default.aspx>





OBJECTIVE 4: Build human and institutional capacity, promote digital inclusion, provide data and statistics, foster innovation, and provide concentrated assistance to countries in special need /
Output 4.2: Telecommunication/ICT statistics.

SDGs and WSIS Action Lines:

- SDGs: all.
- WSIS Action Lines: all.

Resolutions:

- WTDC: 8 (Statistics), 30 (WSIS), 37 (Digital Divide), 54 (ICT applications);
- PP: 70 (Gender), 131 (Measuring ICT), 179 (COP) and 200 (Connect 2020)





Key Achievements:

Main products:

Key indicators and statistics: World Telecommunication/ICT Indicators Database (WTID), Yearbook of Statistics, ICT Facts and Figures, ICT Eye, Little Data Book on ICT; Analytical and methodological reports: Measuring the Information Society Report, regional reports, Handbook and Manual for Measuring ICT; Global forum for dialogue: World Telecommunication/ICT Indicators Symposium (WTIS); capacity building workshops on ICT statistics

Expert Groups:

- *Expert Group on Telecommunication/ICT Indicators (EGTI);*
- *Expert Group on ICT Household Indicators (EGH).*





Partnerships and Collaboration:

- Partnership on Measuring ICT for Development (ILO, ITU, OECD, UNCTAD, UNESCO, UNDESA, World Bank, UNU-IAS, ECA, ECLAC, ESCAP, ESCWA, Eurostat, UNEP-SBC);
- UN Inter-Agency and Expert Group on SDG Indicators (IAEG-SDGs)
- UN Global Working Group on Big Data for Official Statistics;
- UN Committee for the Coordination of Statistical Activities (CCSA).

Future opportunities:

- Big data and IoT data for measuring the information society;
- Support national coordination of ICT statistics;
- Measuring the impact of ICT on sustainable development;
- Measuring smart cities.





OBJECTIVE 4: Build human and institutional capacity, promote digital inclusion, provide ICT data and statistics, foster innovation, and provide concentrated assistance to countries in special need.

Output 4.3: Digital inclusion of people with specific needs.

SDGs and WSIS Action Lines:

- SDGs: 4, 5, 8, 10 and 17.
- WSIS: C2, C3, C4, C6, C7, C8 and C11.

Resolutions:

- WTDC: 11 (Rural and Indigenous), 46 (Indigenous Peoples), 55 (Gender), 58 (PwD), 68 (Indigenous) and 76 (Youth);
- PP: 70 (Gender), 175 (PwD), 184 (Indigenous) and 198 (Youth).





Key Achievements:

Main products:

Model ICT accessibility policy report, ITU Academy training on Public Procurement of Accessible ICTs and Accessible Audio Visual Media, Girls in ICT Portal (www.girlsinict.org), International Girls in ICT Day campaign and resources, Coding bootcamps: a strategy for youth employment report, Digital opportunities: Innovative ICT solutions for youth employment report, Youth Employment resources database <http://www.itu.int/net4/ITU-D/CDS/sis/Youth/Resources/index.asp>, Digital Inclusion Newslog (<http://digitalinclusionnewslog.itu.int/>), & Training on website & apps development and local radio for Indigenous Peoples.

ITU-D SGs:

- Q7/1: (Accessibility).





Partnerships and Collaboration:

- All Girls in ICT Day event organizers, UN Global Initiative on Decent Jobs for Youth, UNHCR, G3ict, Fondo Indigena and Telecentre Foundation.

Future opportunities:

- Provide after-school coding clubs and in-school coding curriculum for girls and young women to expand Girls in ICT Day into year-long programmes;
- Support coding bootcamps as a youth employment strategy;
- Establish regional and national mobile digital literacy programmes;
- Develop and implement ICT accessibility policies, training and practices.





OBJECTIVE 4:

Output 4.4: Concentrated assistance to LDCs, SIDS and LLDCs including countries in special need.

OBJECTIVE 5: Enhance environmental protection, CC adaptation & migration & disaster-management efforts through telecommunications/ICTs

Output 5.1: ICTs and climate-change adaptation and mitigation: &

Output 5.2: Emergency telecommunications.

SDGs and WSIS Action Lines:

- SDGs: 9,11,13,14 and 15.
- WSIS: C7.

Resolutions:

- WTDC: 16, 34, 66;
- PP: 30 (PP-14), 36 (PP-10), 136, 182, 202.





Key Achievements:

Main products:

In-country technical assistance and project implementation with regards to emergency telecommunications, development and review of national emergency telecommunications plans; development of toolkits and publications. Promoting universal access to telecommunication/ICTs in LDCs, SIDS and LLDCs.

ITU-D SGs:

- Q5/2: (Emergency telecommunications);
- Q6/2: (Climate change);
- Q8/2: (e-Waste).

Projects:

- Early warning systems;
- Big data analytics and humanitarian coordination solutions;
- Emergency telecommunications deployment;
- Establishment of national centers for emergency communications.





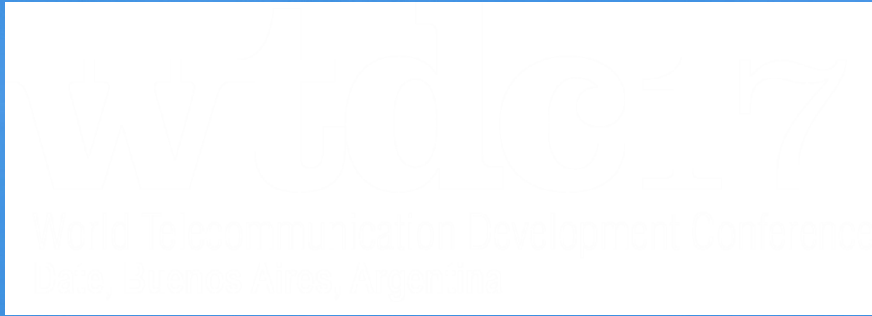
Partnership and Collaboration:

- WMO, WHO, UNHCR, UNOCHA, WFP, IRIDIUM, INMARSAT, THURAYA, UNISDR, WIPO, UN-OHRLLS, UN-OSSA, UNDP, UN Women

Future opportunities:

- Develop tailored solutions and applications for emergency response and coordination;
- Engage with partners to develop frameworks and strategies in the areas of e-waste, disaster risk reduction and climate change;
- Engage with development partners to promote universal and affordable access to the Internet through implementing projects and activities to bridge the digital divide in the LDCs, LLDCs and SIDS as well as in countries in special needs.





THANK YOU!

