



*Ministero delle Sviluppo Economico*

## Regional Seminar for Europe and CIS Spectrum Management and Broadcasting

29-31 May 2017

Hotel Roma Aurelia Antica, Convention Centre

Rome, Italy

This meeting is targeting the following countries : Albania, Andorra, Armenia, Austria, Azerbaijan, Belgium, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Georgia, Germany, Greece, Hungary, Iceland, Ireland, Italy, Kazakhstan, Kyrgyzstan, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, The Former Yugoslav Republic of Macedonia, Moldova, Monaco, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, San Marino, Serbia, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey, Vatican, Ukraine, United Kingdom

### FINAL AGENDA

#### Monday, 29 May 2017

9:00 – 10:00 Registration and Welcome Coffee

10:00 – 10:30 Welcome Addresses

- Dr Eva Spina, Director of Spectrum management and Planning, Ministry of Economic Development
- Mr István Bozsoki, Head of Telecommunication Networks and Spectrum Management Division, BDT, ITU

10:30 – 11:00 Coffee Break and Group Photo

11:00 – 12:30 Session 1: Regional Initiative for Europe, Actions in CIS and Update on the Study Question Q8/1 & Resolution 9

- **Setting the context, Actions in Europe & Moderation** by Ms Rosheen Awotar-Mauree, Programme Officer, Europe Coordination, ITU
- **Actions in CIS region** by Mr Farid Nakhli, Programme Officer, CIS Regional Office, ITU
- **Update on ITU-D Study Group 1 Q8/1 and Resolution 9** by Mr István Bozsoki, Head of Telecommunication Networks and Spectrum Management Division, BDT, ITU and Mr Arseny Plossky, Vice-Rapporteur of ITU-D Study Group 1 Question 8

**Country experiences**

- **Republic of Hungary**

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**12:30 – 14:00**    **Lunch Break**

**14:00 –15:20**    **Session 2: Future of Digital Terrestrial Television Broadcasting**

- **Setting the context & Moderation** by Mr István Bozsoki, Head of Telecommunication Networks and Spectrum Management Division, BDT, ITU
- **Digital switchover and Digital Dividend Presentation** by Mr Evghenii Sestacov, Engineer, Broadcasting Division, Terrestrial Services Department, Radiocommunication Bureau, ITU
- **The evolution of digital terrestrial distribution** by Mr Marcello Lombardo, Project Manager, European Broadcasting Union

**Country experiences**

- **Italian digital terrestrial television towards 2020** by Ms Elena Cappuccio, CRTV-DTT, Italy

**15:20 – 15:40**    **Coffee Break**

**15:40 – 17:00**    **Session 3: Towards Effective Uses of the Digital Dividend**

- **Setting the context & Moderation** by Mr Farid Nakhli, Programme Officer, CIS Regional Office, ITU
- **Understanding the Digital Dividend** by Arseny Plossky, ITU Expert
- **Integrated system for the assessment of coverage, QoS and transmission capacity of TV broadcasting** by Ms Marina Boumis, Senior Researcher, Fondazione Ugo Bordoni
- **Utilization of the digital dividend and the use of 470-790 MHz band in the EU** by Mr Krisztián Stefanics, Expert on Broadcasting, National Media and Infocommunications Authority, Hungary
- **700 MHz band as key to success for wide-area 5G services** by Mr Ulrich Rehfuess, Head of Spectrum Policy, Nokia

**Country experiences**

- **Digital Broadcasting Implementation in the Kyrgyz Republic** by Mr Eshmambet Amatov, Deputy Chairman, State Committee of Information Technologies and Communications of Kyrgyz Republic
- **Montenegro Experience**

**Tuesday, 30 May 2017**

**9:30 – 10:50**

**Session 4: National Regulatory & Policy Measures for Spectrum Management and Broadcasting**

- **Setting the context & Moderation** by Mr Antonio Vellucci, National Coordinator of Spectrum Management and Planning, Ministry of Economic Development, Italy
- **Spectrum Access Regulation in Europe: ETSI's Pivotal Position** by Mr Dirk-Oliver Von Der Emden, Advisor, Office Fédéral de la Communication (OFCOM), Switzerland
- **Assistance in Spectrum Management** by Mr István Bozsoki, Head of Telecommunication Networks and Spectrum Management Division, BDT,ITU
- **ESIMS: A harmonised licensing framework for mobile broadband provision on a global scale** by Ms Yulia Koulikova, Inmarsat

**Country experiences**

- **The Italian transition from analogue to digital terrestrial television : challenges, problems and lesson learnt** by Mr Vincenzo Lobianco, Chief Technology and Innovation Officer, AGCOM
- **Spectrum Management Policy for Mobile Broadband Promotion in Republic of Serbia** by Ms Katarina Tomic , Senior Advisor, Department for Electronic Communications in the Ministry of Trade, Tourism and Telecommunications
- **Experience in the area of electromagnetic field** by Dr Aleksander Soltysik, Ministry of Digital Affairs, Republic of Poland

**10:50 – 11:10**

**Coffee Break**

**11:10 – 12:30**

**Session 5: Economics of Spectrum Management, including Spectrum Pricing Strategies and Tools**

- **Setting the context & Moderation** by Ms Marina Boumis, Senior Researcher, Fondazione Ugo Bordoni
- **Spectrum Pricing or Administered Incentive Pricing** by Mr Dirk-Oliver Von Der Emden, Advisor, Office Fédéral de la Communication (OFCOM), Switzerland
- **Economic Methods in Spectrum Re-allocation** by Mr Pavel Mamchenkov, ITU expert

**Country experiences**

- **Albania experience** by Mr. Shefqet Meda, Director, Technical Regulation and Infrastructure Department, Electronic and Postal Communications Authority

**12:30 – 14:00**

**Lunch Break**

**14:00 – 15:20**

**Session 6: Spectrum Monitoring**

- **Setting the context & Moderation** by Mr Evghenii Sestacov, Engineer, Broadcasting Division, Terrestrial Services Department, Radiocommunication Bureau, ITU

- **Practical implementation of the ITU-R methodology for planning and optimizing spectrum monitoring networks** by Mr Arseny Plossky, ITU Expert
- **Bringing the worlds of Spectrum Management, Policy, and Monitoring together through Big Data analysis** by Mr Robert Thelen-Bartholomew, LS Telcom AG
- **Evolution of Spectrum Monitoring by** Mr Philippe Aubineau, Counsellor for ITU-R Study Group 1 and the Conference Preparatory Meeting for WRC, Study Groups Department, Radiocommunication Bureau, ITU

#### Country experiences

- **Moldova experience** by Mr Vladimir Vornic, Ministry for Development of Information Technologies and Communications of the Republic of Moldova

15:20 – 15:40

**Coffee Break**

15:40 – 17:00

#### **Session 7: International Mobile Telecommunication (IMT) for 2020 and Beyond**

- **Setting the context & Moderation** by Mr Philippe Aubineau, Counsellor for ITU-R Study Group 1 and the Conference Preparatory Meeting for WRC, Study Groups Department, Radiocommunication Bureau, ITU
- **5G: The Connected World of Tomorrow** by Mr Muluk Turhan, Government and Policy Group, Intel
- **Towards 5G Opportunities & challenges** by Mr Rinaldo Bausani, Director Technical sales support Network products, Ericsson
- **Huawei view on the future use of the 470-694 MHz band for IMT** by Mr Alexander Gulyaev, Senior Manager for European Regulatory Policy, Huawei

#### Country experiences

**Representatives are requested to provide oral updates or presentations.**

*Gala dinner at Aurelia Antica Roma Hotel on May 30 at 20.00*

## Wednesday, 31 May 2017

9:30 – 10:50

### Session 8: Spectrum Management for IoT Deployment

- **Setting the context & Moderation** by Mr Vincenzo Lobianco, Chief Technology and Innovation Officer, AGCOM
- **ITU-R studies in support of IoT** by Mr Philippe Aubineau, Counsellor for ITU-R Study Group 1 and the Conference Preparatory Meeting for WRC, Study Groups Department, Radiocommunication Bureau, ITU
- **Spectrum Management Aspects Enabling IoT Implementation** by Mr Pavel Mamchenkov, ITU expert

#### Country experiences

- **Netherlands** by Mr Aljo van Dijken, Radiocommunication Agency

10:50 – 11:10

### Coffee Break

11:10 – 12:20

### Session 9: Towards the WTDC 2017 and WRC 2019

- **Setting the context** by Ms Rosheen Awotar-Mauree Programme Officer, Europe Coordination, ITU
- **ITU preparations for WTDC 2017** by Dr Fabio Bigi, TDAG Vice-Chairman, ITU
- **ITU preparations for WRC 2019** by Mr Philippe Aubineau, Counsellor for ITU-R Study Group 1 and the Conference Preparatory Meeting for WRC, Study Groups Department, Radiocommunication Bureau, ITU
- **Future use of millimeter waves in 5G** by Mr Massimiliano Simoni, Frequency Management, TIM Group, Italy
- **5G and FSS Coordination Procedure for 3.6-3.8 and 27.5-29.5 frequency bands** by Mauro Di Crescenzo, Frequency coordination Manager of Leonardo, Thales
- **Co-Moderation : ITU & Italy**

12:20 – 12:30

### Main Conclusions and Closing

- **Dr Eva Spina, Director of Spectrum management and Planning, Ministry of Economic Development**
- **Mr István Bozsoki, Head of Telecommunication Networks and Spectrum Management Division, BDT, ITU**

12:30 – 14:00

### Lunch

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