

# The 10th Annual European Spectrum Management Conference

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The meeting point for the European and global spectrum community!

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## Highlights and key findings of the 2015 conference

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# The magic figure of 10 years

- **Stocktaking of achievements / failures, challenges for the future:**
  - *“defendable achievements” - “Europe could do better” - „Europe is falling behind comparatively in key spectrum usages“*
- **Areas of concern:**
  - *spectrum delivering to its potential ?*
  - *enough spectrum for key usages ?*
  - *management methodology and cooperation amongst players ?*
- **Signs of consensus:**
  - *agreement on crucial important spectrum and on importance to get management right*
  - *growing understanding and recognition of spectrum in context: spectrum as key ingredient in the digital world*

# How much Europe ?

- **DSM: an opportunity to debate, to reform and to change**
  - *clear anchorage: digital access as key enabler*
  - *reform of regulatory environment, with spectrum as key issue to be addressed*
  - *spectrum strategy, objectives and management methods (RSPP continuation)*
- **Open questions reviewed:**
  - *need for technical harmonisation recognised, but*
  - *how much coordination ? Sharing / experience best practices ?*
  - *how much enforcement mechanisms ?*
  - *adaptation / change of institutional set-up ?*
- **Call for engagement to all parties to discuss the next environment !**
  - *institutions: EP ? Council ?*
  - *constituencies*

# Market based approach

- **Consensus on some fundamentals**
  - *no unique model for auction design*
  - *“matching rules to objectives” is key*
  - *sharing of information and experiences with each other – rather than co-ordinating assignment approaches*
  - *usage conditions underlying auctions – e.g. duration of usage rights, coverage obligations - might need to be aligned*
  - *biasing influence by government organisations other than regulators (e.g. by Treasury) are counterproductive (EU guidelines to help regulators defend against such interference ?)*
- **Discussion:**
  - *what conditions the price of spectrum ?*
  - *the importance of setting the reserve price at the right level*

# Wireless Broadband

- **The economic rationale to make WBB viable:**
  - *investment leveraging*
  - *improving the revenue situation: better offer, fostering demand*
  - *the impact of spectrum prices*
  - *better coherence of regulator environment re spectrum*
- **Making sufficient spectrum available**
  - *700 MHz: time frame (2020), regulatory certainty (harmonisation, availability), coordination (at an early stage)*
  - *additional spectrum ?*
  - *5G: the new challenge identified (< 6GHz, millimetre waves)*
- **Specific issues:**
  - *offloading: an opportunity, technical progress (LTE-LAA)*
  - *backhauling: a matter of concern (e.g. 5G), technical options, upstream planning and coordination needed.*

# Broadcasting / PPDR / Satellite / PMSE

- **Broadcasting:**
  - *the relevance of sufficient spectrum for broadcasting*
  - *implication of moving to <700 MHz: feasibility ? timing ? affordability ? Long term certainty of band <700 MHz ?*
- **PPDR:**
  - *recognition of needs in Europe*
  - *some countries moving out of experience*
  - *EU coordinated approach for PPDR in 700MHz (too many options?)*
- **Satellite**
  - *importance of satellite services recalled*
  - *satellite as backhaul*
  - *protecting satellite use of C-band*
- **PMSE**
  - *Needs of PMSE recalled*

# WRC 15

- **Identified as a key milestone ahead**
  - ***on 700 MHz (A 1.2)***  
*seems to be on track*
  - ***On identification additional IMT spectrum (A 1.1):***  
*difficult, outcome critical*
  - ***Many other AI discussed***
- **”Technical solutions are driven by political societal decisions”:**
  - ***Coordination on technical issues delivers (CPG)***
  - ***The importance of defining EU choices as input to WRC preparation process***
- **Good cooperative effort EU / Africa**
  - ***Coherence: 700MHz***
  - ***To be settled: 3.4 -3.8 GHz***
  - ***Room for inner regional pragmatic arrangements***

**Thank you for your active participation  
and see you again in 2016 for the**

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