Spectrum Policy: OBJECTIVE 2011

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RSPG in brief

- **RSPG is the policy advisor of the Commission for spectrum**

- **Formed by high level spectrum experts from Member States and the Commission**

- **The new regulatory framework foresees a new role for RSPG with more responsibility on advice on policy matters, including to EU Parliament and Council**

- **Key activity in 2010 was the Opinion on the multiannual radio spectrum policy programme (RSPP) in view of the subsequent legislative proposal from the Commission**

- **RSPG approves every year its work programme and responds to ad-hoc issues coming from the Commission and other EU institutions**

INTERNET OF THINGS

APP CLIENT
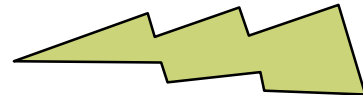
WIRELESS BROADBAND

NFC

GENERIC THING

cloud
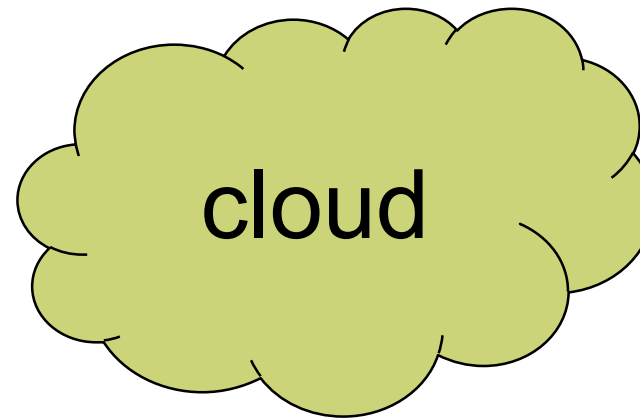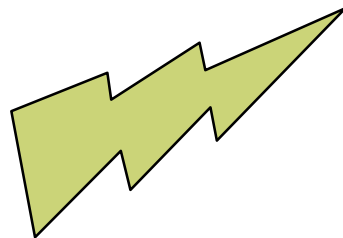
**European Mobile Broadband Space
(an holistic view of the DA objectives)**

- Seamless always-on mobile connection everywhere in Europe

- High speed wireless access with 100% coverage

- Interoperable service platforms

- More spectrum available for broadband

- Efficient use of spectrum resources

- Efficient use of network resources

- Equitable access to spectrum resources

- Regulation as a key success factor

LTE 2011 auctions largest award ever of broadband spectrum
(Italy as an example)
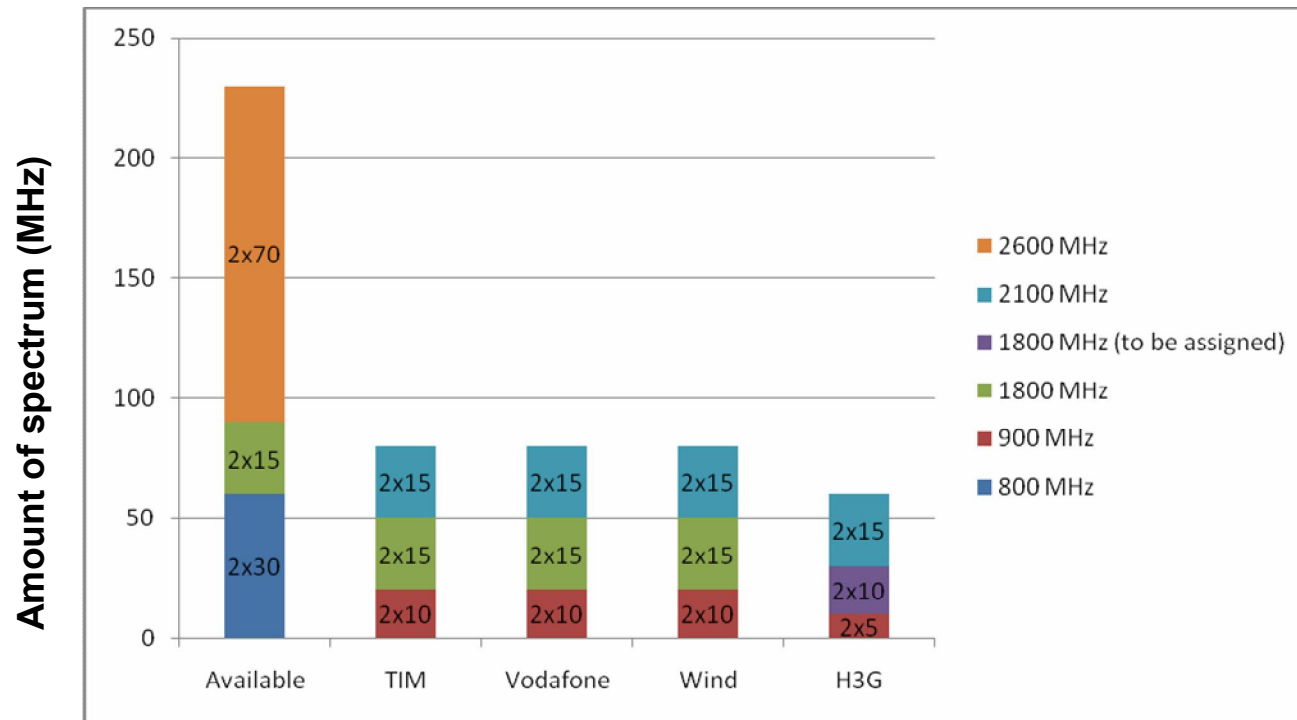
RSPG strategy 2011

- Review of spectrum use : EFFICIENCY

- Collective use of spectrum: MORE CAPACITY

- Improving broadband coverage: COVERAGE

- Spectrum and Competition (joint RSPG/BEREC activity): COMPETITION

- International co-ordination of spectrum use: POLICY

- Other issues: INNOVATION

Review of spectrum use

- *RSPG to "identify developing and potential future significant uses of spectrum taking into account demand and technology trends"*

- RSPG sees this as fundamental to informing development of the RSPP

    - with a view to releasing more "new" spectrum, take into account an analysis of the current state of spectrum usage and of demand and technology trends which may impact on that use, and identify developing and potential future significant uses of spectrum

    - develop a well targeted programme, initially focussing on a specific part of the spectrum, e.g. 300 MHz to 3 GHz where there is significant interest in mobility

Collective use of spectrum

- *RSPG Opinion on the RSPP* proposed consideration of how to "*make more spectrum available under a collective use model in order to facilitate fast access to spectrum, promote innovation and competition*"

- As demand for spectrum increases so complexity of spectrum management also increases

- Collective use of spectrum is another tool for exploiting the spectrum resource to the optimum

- The 2011 task will encompass work done in 2010 on cognitive technology and will also explore use of 'white space' spectrum

- Report expected by June 2011

Improving Broadband Coverage

- **This item addresses the spectrum implications and capabilities to meet the "call" under the Digital Agenda for all EU citizens to have access to high-speed broadband**

- **Spectrum policy implications of meeting the stated objective of ubiquitous high-speed broadband access, noting the key role to be played by wireless networks in supporting this objective**

International co-ordination of spectrum use

- **This work item is intended to strengthen the role of the European Union in international negotiations with a particular focus on:**

    - **A strategy to strengthen the promotion of EU interests in international negotiations (e.g. in the ITU)**

    - **Support from the EU at the political level in frequency coordination with third countries and between EU countries**

    - **If necessary, to provide further input to the preparation of EU priorities for the World Radiocommunication Conference 2012 (WRC-12) [an Opinion on WRC-12 has recently been adopted]**

Conclusions

- **The internet of people and the internet of things will need massive amount of bandwidth (estimated in excess of 1 ghz)**

- **Innovation in spectrum management is essential to cope with the new challenges**

- **Meeting Digital Agenda objectives requires a regulatory framework capable of attracting investments**

- **Cooperation and harmonisation in EU spectrum policy is instrumental to create a momentum**

- **When approved the implementation of European radio spectrum policy programme (RSPP) requires a coordinated effort**