



LSA Webinar  
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# Licensed Shared Access

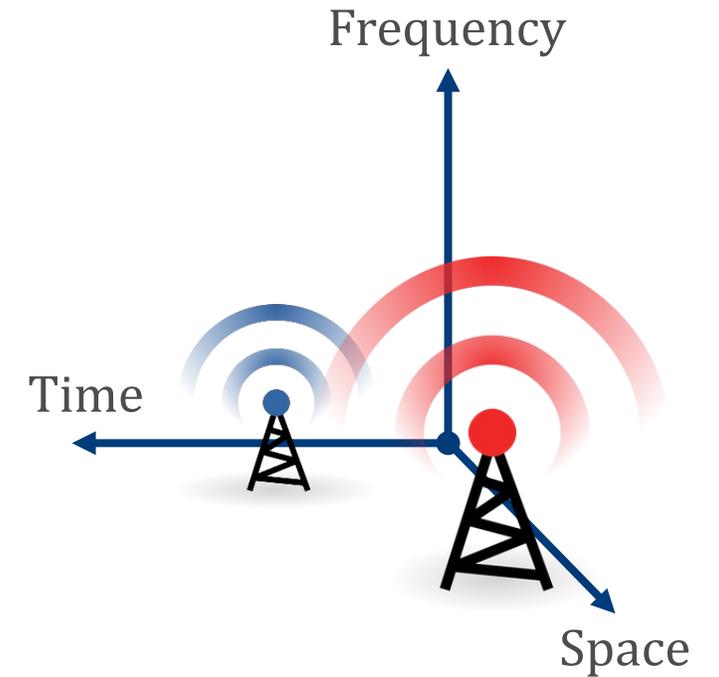
the EU-level perspective

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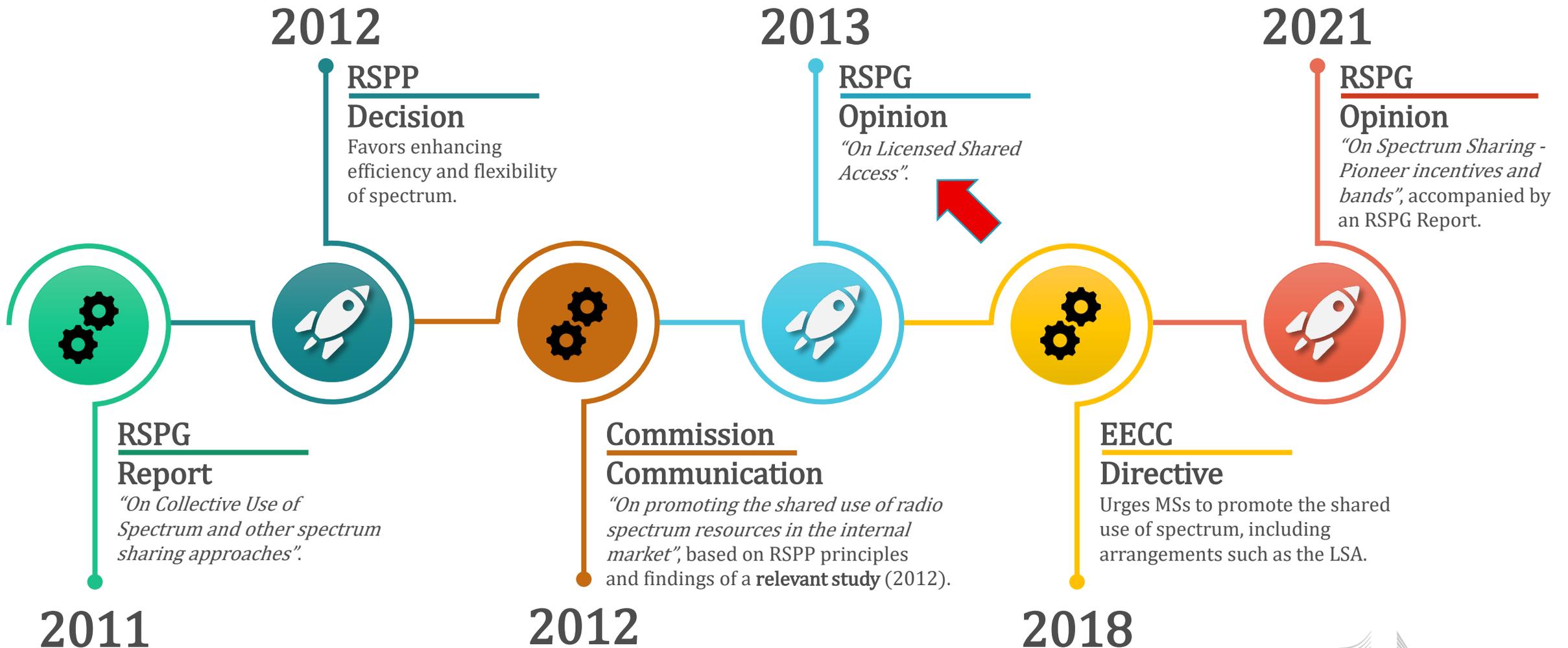
*\*The views expressed in this presentation are those of the author and do not necessarily reflect the official position of the Commission*

# Spectrum Sharing

- Promotes the efficient use of radio spectrum, tackling:
  - Continuously **growing demand** for spectrum
  - Spectrum **scarcity**
- Spectrum can be shared **along three dimensions**
- Two established approaches:
  - Collective Use of Spectrum (CUS)
  - **Licensed Shared Access (LSA)**
    - ↳ guaranteed QoS



# Evolution of the Spectrum Sharing Framework in the EU



# Licensed Shared Access (LSA)

- Provides different users with spectrum access rights and guaranteed quality of service, in the same band
- LSA @ **2.3 GHz band**:
  - Recognised approach by **CEPT** for WBB (ECC Decision (14)02)
  - Standardised by **ETSI** (TS 103 154)
  - Pilots\* in several Member States: Spain, Italy, France, Finland, Netherlands, **Portugal**
- **Commission actively supported** sharing of experiences in RSCOM
- Developments seem stagnated: **Why?**

\* <https://www.cept.org/ecc/topics/lsa-implementation>

# Research

- Research will help to exploit the full benefits of spectrum sharing
- Challenges:
  - **Gap** between technical possibilities and actual application
  - **Low buy-in and trust** by regulators and spectrum users (new and incumbent)
  - **Lack of incentives** for incumbent spectrum users



# Way Forward for Spectrum Sharing

- **Spectrum Sharing (such as LSA) should be prioritised**
  - Mainstream mode of spectrum use based on EECC
- **EU-level coordinated action needed**
  - Sharing experiences and best practices
  - **Cross-border** trials and deployment
  - **Building** trust among the stakeholders (regulators, incumbent and new users, industry)
- **RSPG Opinion** - a key basis for action
- International developments



Thank you!

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