



LSA Webinar
19 May 2021

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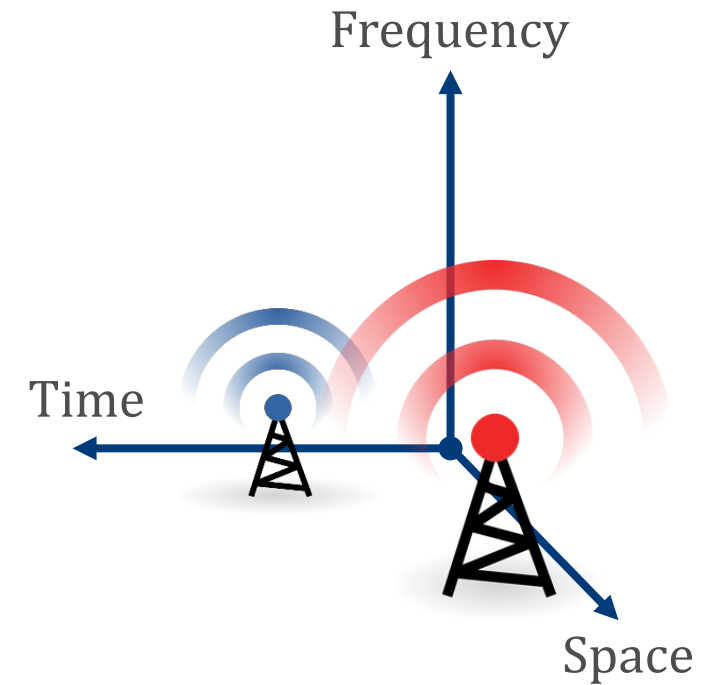
the EU-level perspective

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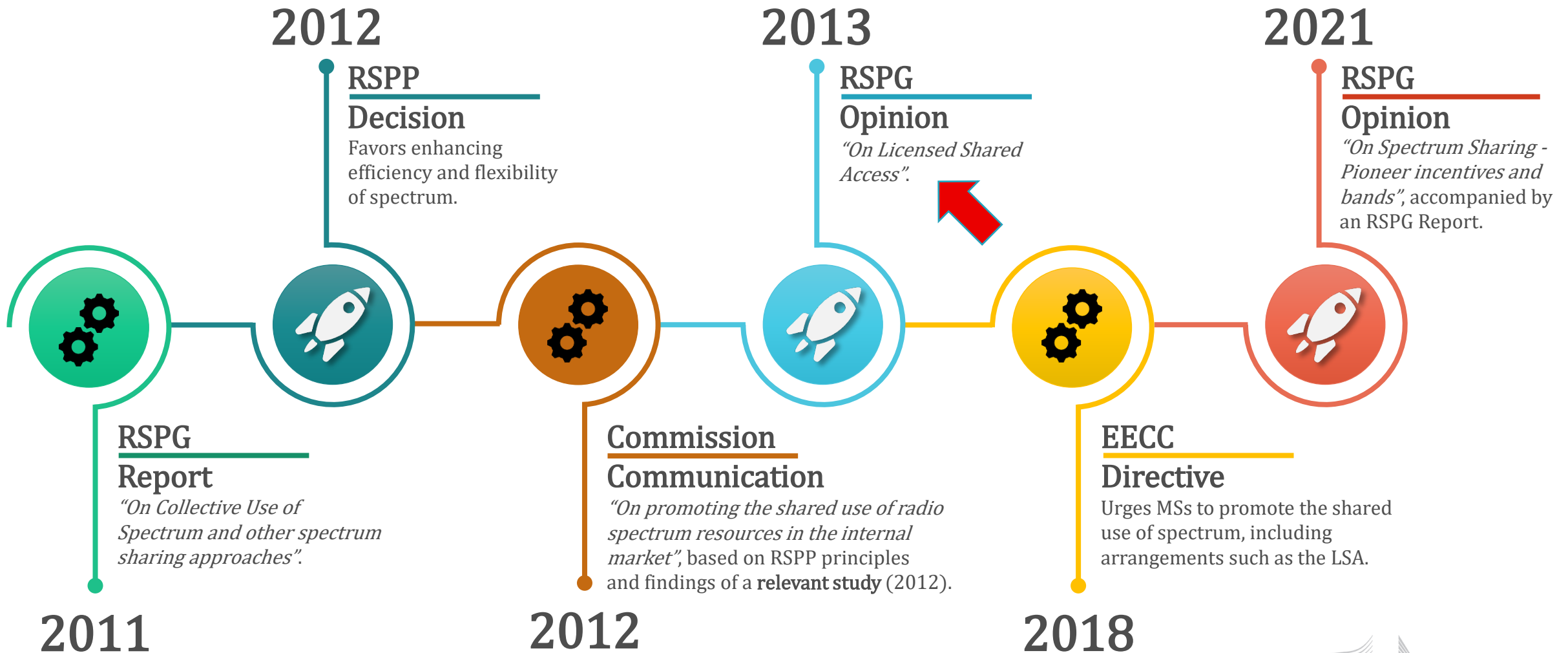
**The views expressed in this presentation are those of the author and do not necessarily reflect the official position of the Commission*

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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