

A REGIONAL APPROACH TO SYSTEM OPERATION

ROUNDTABLE ON THE FUTURE OF ELECTRICITY SYSTEM OPERATION



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Energy Policy Research Group – Spring Seminar

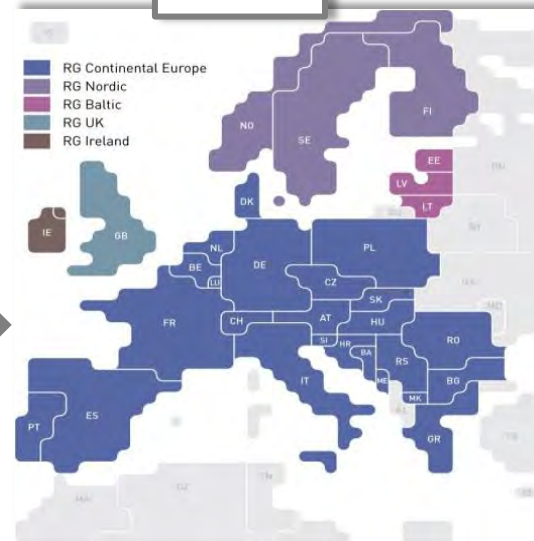
12th May 2016

Regional Approach for Coordination of System Operations

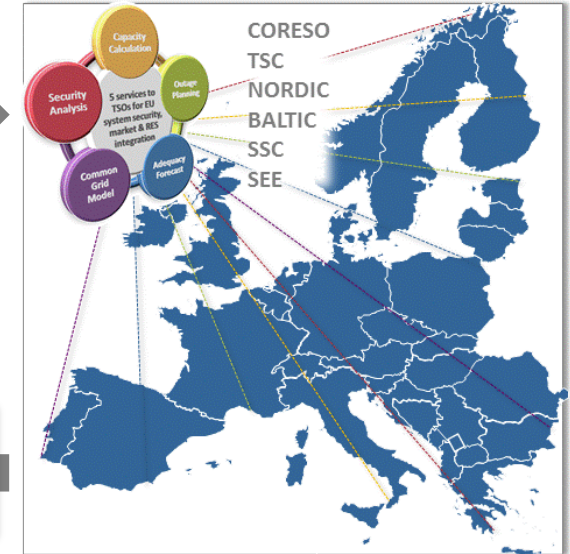


SO GL

SO GL



5 standard services



EU legislation (3rd Directive)

- Future Regulation establishing a Guideline on Transmission System Operation
- Implementation across national borders vs. electrical & market needs

EU TSOs

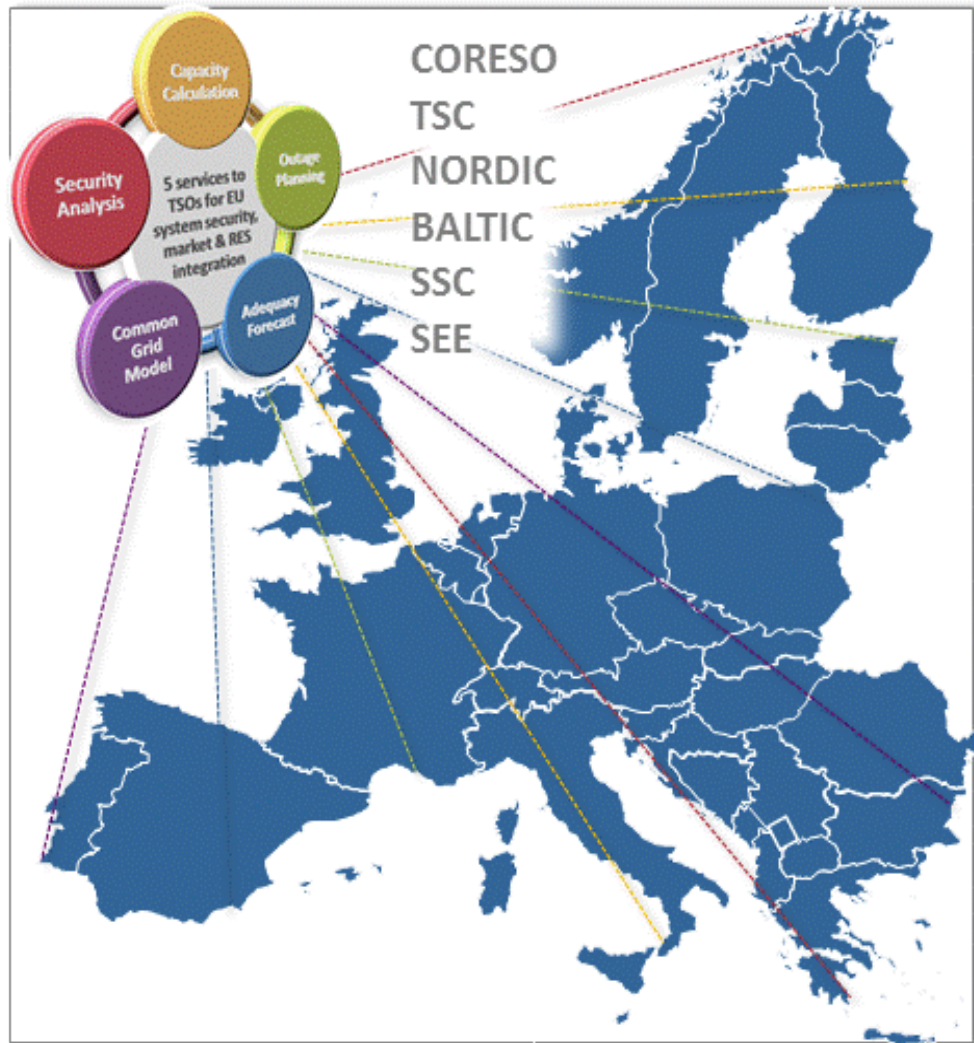
- Maintaining system security, enabling IEM and RES integration
- Markets and security depend on coordination (volatility)
- Multilateral Agreement to procure services from a RSC

EU RSCs

- Flexible structures for bridging national and other borders
- Early implementation of the legal framework
- Support TSOs in maintaining system security

RSC: Regional Security Coordinators

Regional Security Coordinators – Status of Implementation



RSC Objective

- Foster regional cooperation for system security through a decentralised approach i.e. TSO remains responsible for grid security and remedial actions

RSC Status

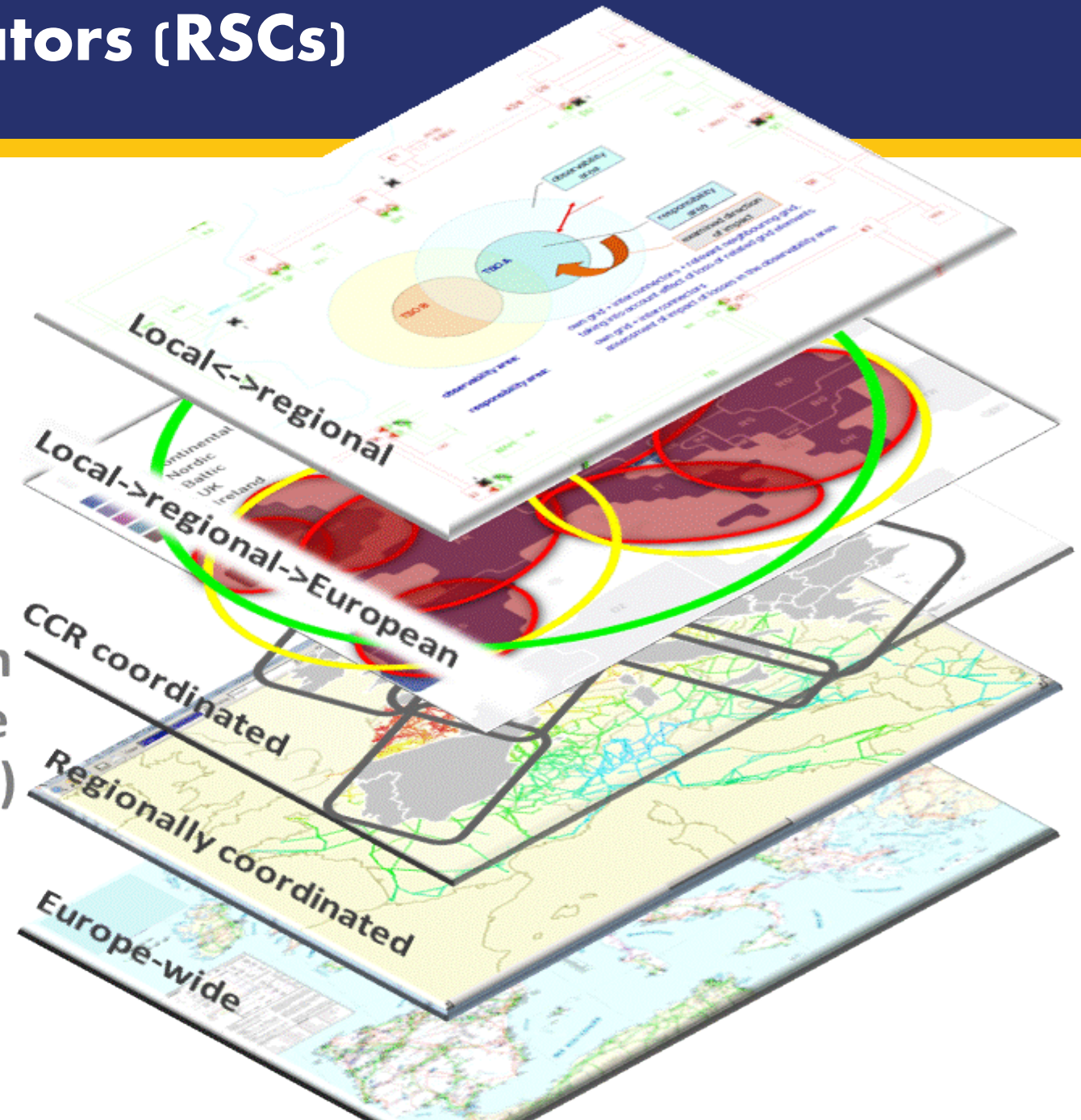
- Coreso operating since 2008, based in Brussels
- TSC operating since 2008, located in Munich
- SSC operating since 2014, located in Belgrade
- Nordic RSC newly established in 2016, located in Copenhagen, not yet operational
- SEE (located in Greece) and Baltic RSCs not yet established

Regional Security Coordinators (RSCs)

5 standard services

1. Outage planning coordination
2. Short / medium-term adequacy forecast
3. Coordinated capacity calculation
4. Operational planning security analysis
5. Individual/common grid model delivery

ENTSO-E RSCI Project for European rollout and implementation of five services, until end 2017 (mid 2018)



Open Questions

- In which **further areas** is enhanced regional TSO cooperation needed?
- How to **enhance the RSC concept** in the short/medium/long-term?
- How to reflect regional TSO cooperation in regulation?
→ **address regulatory gaps?**
- What **legislation for the Winter Package** is needed?
- Which **areas need enhanced cooperation of Member States**
→ e.g. RES Policies, security of supply and primary energy, capacity markets, etc.?