

# **SESSION: 2.4 COORDINATING STATE INTERVENTION IN GENERATION ADEQUACY**

ENTSO-E Presentation

Konstantin Staschus, Secretary General ENTSO-E

30th EU ELECTRICITY REGULATORY FORUM, FLORENCE

4 March 2016



# Essential features of a EU-wide generation adequacy assessment

- **ENTSO-E's system adequacy methodology** should become the **basis for market design enhancements** and **security of supply at regional and European level**.
- ENTSO-E's regional and European adequacy methodology should be adapted by and **used across Member States to guide their decisions on capacity mechanisms, RES support schemes, and security of supply** on the basis of their national sensitivities and specificities

# Essential features of a EU-wide generation adequacy assessment

- ENTSO-E's target methodology is currently a probabilistic generation adequacy methodology.
- The roadmap for **evolution of the ENTSO-E methodology** envisions implementation of **flow-based modelling** features and use of **detailed network** modelling representation.
- ENTSO-E's database should be **complemented** with the establishment of a **common mandatory list for decommissioning or mothballing of generation/demand assets across MS'**



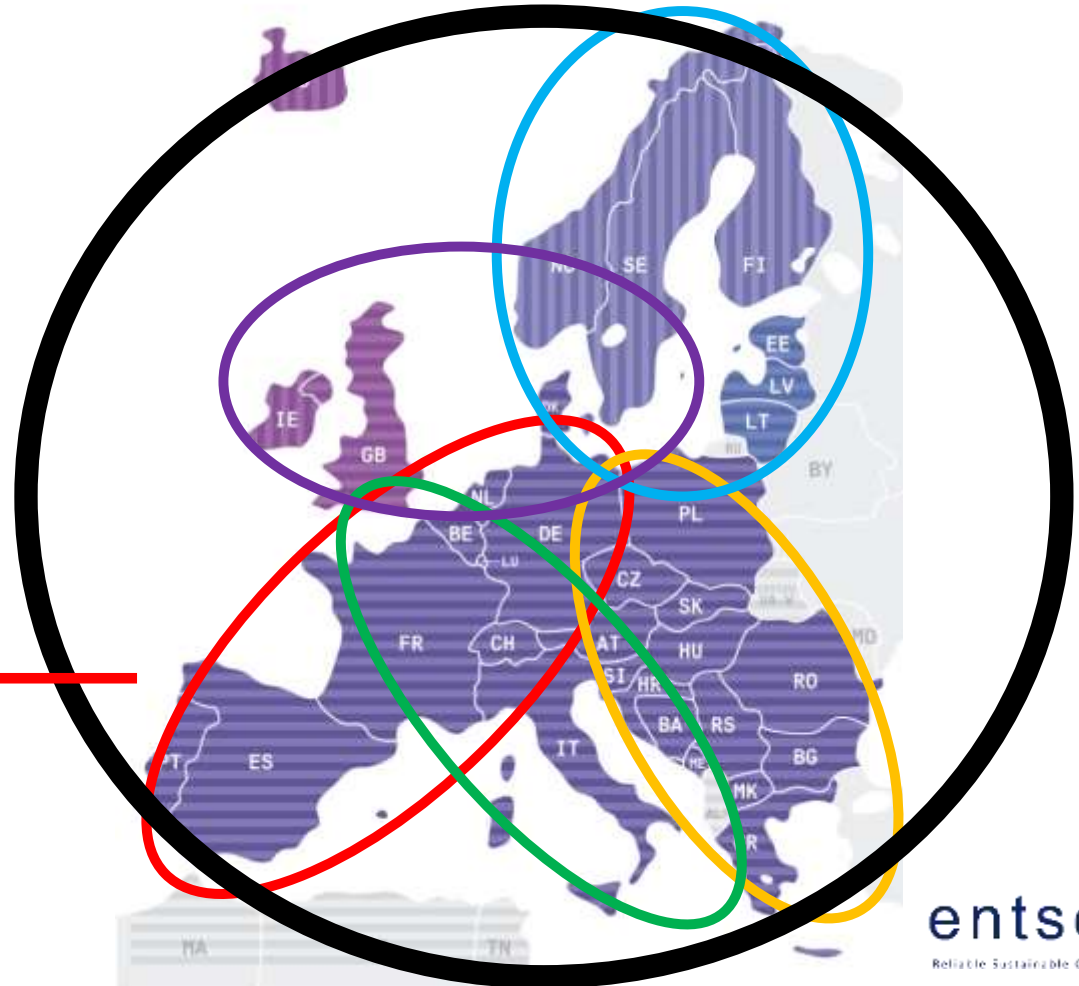
## Generation adequacy standards

- Adequacy standards and levels depend strongly on national sensitivities and geographical, temporal, technical and economic specificities
- A prerequisite to ensure SoS could be to establish a framework to express **national targets for SoS on the basis of common standards** agreed at **pan-European level**.
- **Common standards** should be formulated **by use of commonly agreed indicators**, referring to **system (generation + grid) adequacy**.
- Defined **national standard levels** should be **assessed regionally** to understand the impact of cross-border issues on the defined values (standard levels)

National / Regional adequacy assessments are typically based on regional specificities and methodology

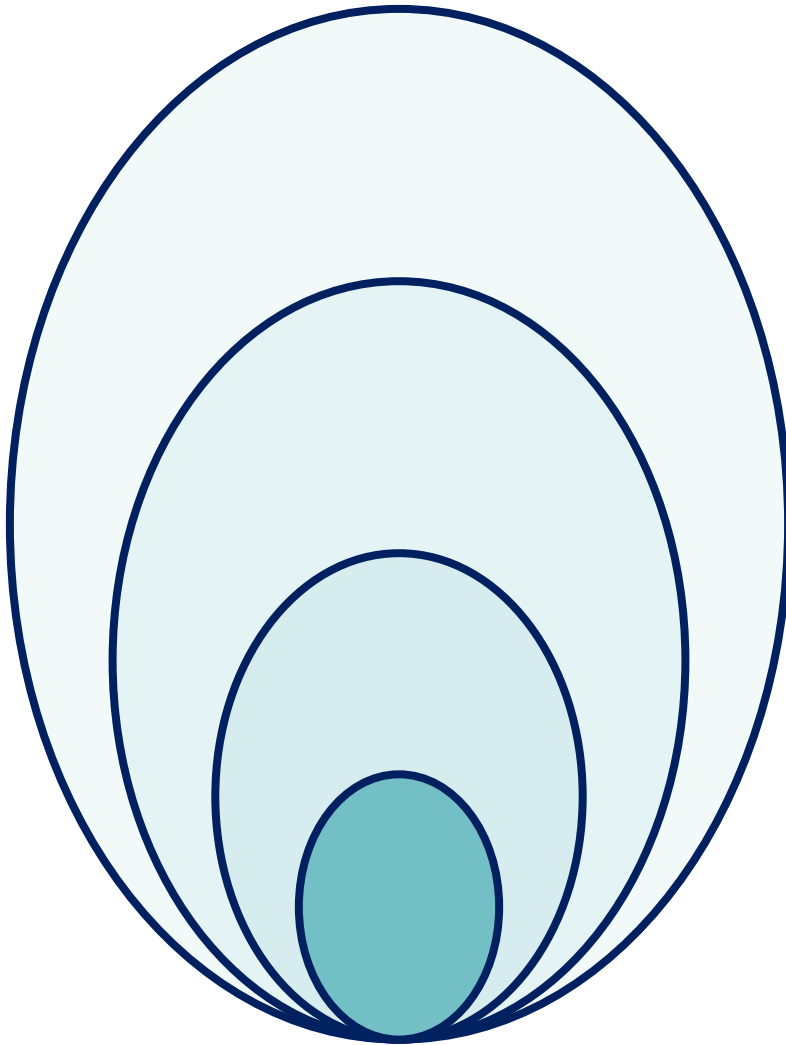
ENTSO-E assessments ensure Pan-EU robust results and provide consistent Pan-EU boundaries (data, assumptions) for more detailed Regional/National Assessments

Example PLEF GAA report



**Back up**

# Different risks should be addressed in different time horizons



**5-10-15 years**

Long-term investments, policies

**TYNDP - Adequacy**

**1 year to < 5 years**

Mid-term policies (demand-side response, decommissioning, mothballing...)

**Mid-Term Adequacy Forecast**

**1 week to < 1 year**

Operational planning

**Seasonal Outlooks**

**< 1 min to 1 week**

System operation