Scenarios for assessing electricity infrastructure projects

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ACER
Agency for the Cooperation
of Energy Regulators

➢ **Scenarios provide the basis to assess the future requirements of the system and for analysing the benefits individual projects could bring.**

Development of Scenarios | Submission of projects | CBA assessment of projects
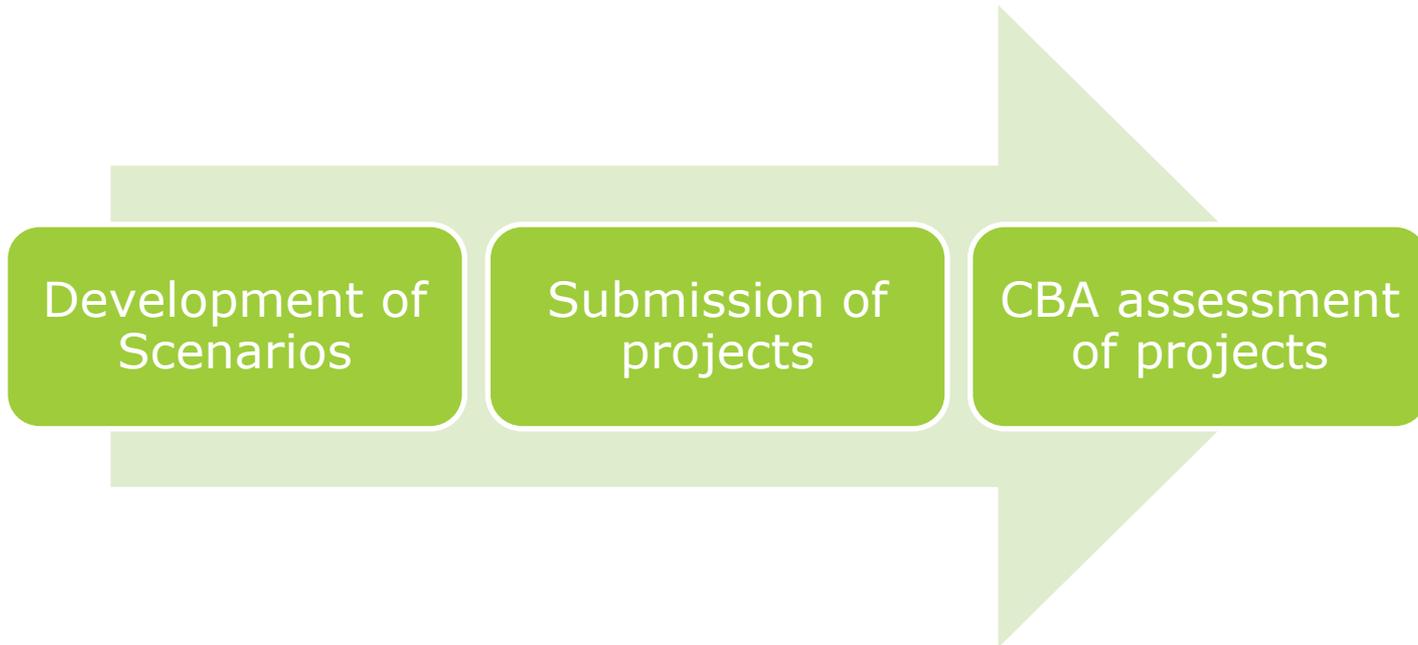
➤ **Scenarios are descriptions of the foreseen system development.**

⟶ **The better the scenario, the more trustworthy the outcome of the analysis based on it.**

⟶ **Higher policy-maker and stakeholder involvement results in wider acceptance of scenarios and foresees their higher accuracy**

⟶ **How to efficiently include a broader cooperation of stakeholders and policy-makers ?**

➢ **Regulation 347 / 2013, Annex V:**

▪ The methodology shall be based on a common input data set representing the Union's electricity and gas systems in the years n+5, n+10, n+15, and n+20, where n is the year in which the analysis is performed.

• For the common electricity and gas market and network model set out in paragraph 8 of Article 11, the input data set referred to in point (1) shall cover the years n+10, n+20 and n+30 …

Should we aim at the "n+" study-horizons or should we consider analysing fixed years (2020, 2025, 2030, …), as usually done in scenario analysis for policy making activities ?

Considering the economic lifetime of 25 years as used in the CBA methodology, how much focus should be put on study-horizons beyond 20 years ?

- ➤ **ENTSO – E is already committing to a probabilistic approach on adequacy assessments – why not also on TYNDP project assessments ?**

- ➤ **How to deal with uncertainties and their increasing relevance over time (best estimate scenario, use of sensitivity analysis, contrasting scenarios, extreme visions, etc.)?"**

- ➤ **How probable it is that a project will actually bring benefits as shown through the analysis of ENTSO-E scenarios ?**

➢ **ENTSO-E is improving the transparency of TYNDP scenario assumptions (e.g. publication of datasets since TYNDP 2014).**

➢ **Is there scope for further improvements ? E.g. can the "distance" between assumptions in different scenarios be further quantified ?**

Thank you for your attention !