



# Community-wide ten-year network development plan

## EREG Recommendations

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- **Consistency between the EU-10YNDP and individual TSOs/national and regional plans**
  - Network development plans in the 3<sup>rd</sup> Package : Different obligations related to TSO unbundling status
  - TSOs Vs National Vs Regional Vs European 10YNDP
- **Market expectations**
  - Concerned about potential market distortions (prioritization of projects against others)
  - Distinction of projects according to their degree of maturity
  - Find the right balance between security of supply needs and market integration
- **Develop a flexible and pragmatic approach**
  - Learning by doing process
  - Need for flexibility

- **Top down approach : developing a European perspective**
  - Recommendations from ENTSOG to adjacent TSOs to consistently address common cross border projects
  - Defining the Community-wide scenarios on supply/demand
  - Harmonization of planning assumptions throughout Europe
  - Identify infrastructure needs related to security of supply
- **Bottom up approach**
  - Use TSOs and National 10 YNDP to build a European picture
- **Roles of the stakeholders: regular dialogue**
  - Data communication to ENTSOG
  - Consultation on the Community-wide 10 YNDP

- **Modelling expectations**
  - Understand the functioning of the system
  - Test infrastructure scenarios (EWI)
  - Analyse the strengths and weaknesses of the EU system
- **Scenarios on EU supply and demand**
  - Reference case: Aggregation of national scenarios
  - Alternative demand scenarios
  - Supply forecasts of EU gas production + range of supply potential of producing countries
- **Modelling of the EU behaviour in normal and “crisis” conditions**
  - Simulation of major supply disruptions
  - Coherency with the models applied at national and regional levels

# Next challenges

- **Regional investment plans: find the right position between national and EU wide 10YNDP**
  - Extract from EU-wide 10YNDP including modelling and security of supply simulations
  - Or extension of national plans focusing on cross-border TSO cooperation and integration of national markets
- **Economic-based network flow model Vs technical model based simulation of EU network**
  - Two complementary approaches?