Fifth International Forum on Long-Term Energy Scenarios (LTES) for the Clean Energy Transition

Session 8: Communicating and responding to uncertainties in scenarios
Co-hosted with VTT Technical Research Centre of Finland

1. Description

Effective communication is the foundation of successful long-term energy planning, especially when navigating the complexity of the energy transition landscape. Long-term Energy Scenarios play a critical role in shaping policy, direct investments and guiding research towards the achievement of climate targets and reinforcing energy autonomy. However, the inherent uncertainties withing these scenarios represent significant challenges, which can be further complicated by evolving political, economic, and environmental variables.

Uncertainties are not static: there is a continuous shift, requiring stakeholders to adapt and respond to new developments. Effective communication and strategic responses are essential for navigating these uncertainties while ensuring that policymakers, investors, and other stakeholders have the information they need to make informed decisions. This is particularly critical in the context of energy planning models, which are vital tools for decision-making, helping to characterize the roles of technologies – especially renewables- across various time horizons.

This session aims to bridge this gap by exploring good practices for assessing and communicating uncertainties in long-term energy scenarios (LTES). It will explore the systematic nature of these uncertainties, examining how they impact different sectors and stakeholders, and how policies to address those impacts can be communicated.

2. Objective

This session will provide a comprehensive overview of how to communicate and respond to uncertainties in scenarios). This session aims to achieve the following objectives:

i. Explore the strategies for communicating the varying perceptions of uncertainty among stakeholders.
ii. To assess how uncertainties differ from various sectors and the implications for energy planning.

3. Expected outcomes

During this session, participants will gain deeper understanding of how uncertainties evolve and impact different sectors and stakeholders, their policy implications, and how these implications can be communicated to decisionmakers.

4. Proposed Agenda (120 minutes)

Time	Content
3 min	Welcome remarks and introduction Moderator: Tiina Koljonen, VTT Technical Research Centre of Finland
6 mins	Scene-setting presentation (3-4 slides) Presenter: • Marissa Cerezo, Renewable Energy Management Bureau, Department of Energy, The Philippines
6 mins	Scene-setting presentation (3-4 slides) Presenter: • Joel Flores, General Directorate of Energy, Hydrocarbons, and Mines of El Salvador
6 mins	Scene-setting presentation (3-4 slides) Presenter: • Malene Hovgaard Vested, Advisor, Danish Energy Agency
6 mins	Scene-setting presentation (3-4 slides) Presenter: • Michelle Akute, Energy Planning, Energy and Petroleum Regulatory Authority
40 mins	Panel discussion Panellists: • Marissa Cerezo, Renewable Energy Management Bureau, Department of Energy, The Philippines • Joel Flores, General Directorate of Energy, Hydrocarbons, and Mines of El Salvador • Malene Hovgaard Vested, Danish Energy Agency • Michelle Akute, Energy Planning, Energy and Petroleum Regulatory Authority
20 mins	Q&A
2 mins	Closing remarks

5. Suggested guiding questions

- How have uncertainties in LTES evolved over time? What uncertainties do you see as most important to address and showcase in your scenarios?
- How can policy actions address those uncertainties be developed and communicated to the relevant decisionmakers?
- How do different stakeholders perceive and prioritize uncertainties in energy planning?