

Second International Forum: Long-term Energy Scenarios for the Clean Energy Transition

25-27 March 2020, Berlin, Germany
Venue: The Westin Grand Hotel

Concept note

Background

The world's energy systems are entering profoundly uncharted territory – unprecedented technological advances in power generation, transport and innovation in digitalisation make predictions about future energy conversion and use highly uncertain. At the same time, urgent Sustainable Development Goals and the Paris climate accord insist on a transition to clean energy use as fast as possible, thus compounding the complexity of representing integrated energy systems in **long-term scenarios**. In this context, clear views of the future energy landscape have become invaluable, and the way in which those views are developed requires a sea change.

IRENA is coordinating a group of government institutions from 12 countries and seven technical institutions to explore these issues as part of the [Clean Energy Ministerial Campaign on “Long-term Scenarios for the Energy Transition” \(LTES Campaign\)](#). **The campaign aims to promote the improved use of scenarios for the clean energy transition, enable the exchange of best practices and facilitate work to strengthen and broaden their use.**

The [Second International Forum on Long-term Energy Scenarios for the Clean Energy Transition](#) will gather experts representing governments, technical institutions, academia, industry and the private sector, seeking to exchange experience in the use and development of long-term scenarios to support planning of the clean energy transition. It is the continuation of the [2019 International Forum](#) held in April 2019, which gathered around 130 experts from over 35 countries.

Overarching Objectives

- » **To enable deep-dive discussions with subject experts** on critical scenario issues identified by public and private practitioners from around the world.
- » **To raise awareness of the importance of long-term energy scenarios for policy making** in the context of clean energy transitions.
- » **To take stock of good practices and discuss key messages** that need to be presented to policy makers using energy scenarios.

At the Forum, IRENA's new [“Long-term Energy Scenario Network – LTES Network”](#) will also be showcased as a vehicle to sustain discussion on scenarios with a wider audience from IRENA's member countries.

Forum topics

1. **Electrification scenarios for a carbon-neutral energy system by 2050** – What is the role of electrification in achieving a carbon neutral energy system, and how scenarios can better inform power utilities and government planners?
2. **Incorporating economic and financial risks of the clean energy transition in LTES** – How can scenarios be used to develop risk-hedging strategies?
3. **Representing systemic innovation in energy demand and consumer behaviour in LTES** – How can the impact of system innovation be reflected in long-term energy scenarios?
4. **Stakeholder engagement in the LTES process for a just transition** – How can different stakeholders be included in the scenario-development process to ensure a just energy transition?
5. **Exploring the global landscape of LTES narratives and assumptions** – What global trends are driving the clean energy transition and need to be better represented in national LTES?
6. **Robust and resilient LTES building processes scenarios** – What are the approaches of government institutions to ensure the scenarios methods are robust and results are used for policymaking?

Programme outline

Day 1: Wednesday, 25 March 2020

- » Afternoon side event during the [Berlin Energy Transition Dialogue: Electrification scenarios for a carbon neutral energy system by 2050](#)
- » LTES campaign members and partners closed meeting

Day 2: Thursday, 26 March 2020

- » Forum day
- » Evening dinner reception (open to all LTES Forum and BETD side event participants)

Day 3: Friday, 27 March 2020

- » Forum day (half-day)
- » 2nd LTES campaign members and partners closed meeting

Participation and Registration

All persons wishing to participate can do so through the following [Registration link](#) and will be subject to a final approval process.

Registration deadline: 1 March 2020.

For more information please contact ltes@irena.org