

Long-term Energy Scenarios for the Clean Energy Transition

Campaign associated with Multilateral Solar and Wind Working Group (MSWWG)

Goals

The Long-Term Energy Scenarios (LTES) for the Clean Energy Transition Campaign aims to promote the wider adoption and improved use of long-term model-based energy scenarios to support and accelerate the energy transition among CEM countries and beyond. The campaign does not aim to develop new models or scenarios.

Rationale for being included in the CEM

Launched at the **9th Clean Energy Ministerial (CEM9)** in 2018, the LTES Campaign explores crucial challenges regarding technical and institutional aspects of scenario development for the clean energy transition. The Campaign provides a forum for national energy planners to share their challenges and expertise, to facilitate international debate and guide national policy-making, as well as to gain feedback from engaged non-state actors, such as technical institutions, intergovernmental organisations and the private sector. It focuses on three interconnected themes:

CAMPAIGN DETAILS (2018/2019)

Events Regional Workshop in Brasilia (February 2019), International Forum in Berlin (April 2019), CEM Ministerial Meeting in Vancouver (May 2019), 10+ workshops/events in energy conferences Hundreds of expert attendees in total	Webinar Series* Bi-weekly webinar series since November 2018 20 webinar presentations 500+ Registrants
Synthesis Report Synthesizing 100+ topics and dozens of good practice examples discussed in events and webinars (coming in 2019)	11 Member Countries Brazil, Canada, Chile, Denmark, Finland, Germany, Japan, Mexico, Netherlands, UAE, UK 7 Technical Partners CNREC, EC/JRC, ETSAP, IEA, NREL/JISEA, SGCC, WEC

*Webinar series materials are available through [IRENA's webinar webpage](#).

- **Integrating scenarios into decision making:** Demonstrating how governments can use energy planning scenarios to ensure better policy making. And exploring how scenarios can be made more relevant to private investors.
- **Improving scenarios for the clean energy transition:** Examining how long-term energy scenarios can be strengthened to better account for potentially transformational changes to the energy system.
- **Identifying capacity building requirements:** Analysing where long-term energy scenario development can be improved, and how “best practices” can be shared to enhance institutional scenario planning capacity.

Activities and deliverables

- June 2018: Fifth RGI future scenario exchange workshop organised by Renewable Grid Initiatives and hosted by ENTSO-E (Belgium).
- June 2018: 37th Edition of International Energy Workshop hosted by Chalmers university (Sweden).
- July 2018: Workshop on the Exchange of Experience with the Modelling of Energy Systems for Planning Purposes organised by International Atomic Energy Agency and hosted by Energy Institute Hrvoje Pozar (Croatia).
- October 2018: Third International Forum on Energy Transition at Suzhou city (China).
- November 2018: The Energy Technology Systems Analysis Program (ETSAP) workshop (Germany).
- November 2018: Global Science, Technology & Innovation Conference organised by VITO (Belgium).
- January 2019: World Future Energy Summit 2019 (UAE).
- February 2019: German scenario inter-comparison event organised by DENA, BDI and Acatech (Germany).
- February 2019: Latin America LTES Workshop hosted by the Brazilian Ministry of Mines and Energy and the Energy Research Office (Brazil).
- March 2019: Forum on Scenarios for Climate and Societal Futures hosted at University of Denver (USA).
- April 2019: IRENA International Forum on LTES (Germany), and Side event during the 2019 *Berlin Energy Transition Dialogue*.
- May 2019: Focus session on LTES at the CEM 10 ministerial meeting (Canada).



Global and In-Country Partner(s)

International Energy Agency (IEA), IEA-Energy Technology Systems Analysis Program (IEA-ETSAP), EU Joint Research Centre (JRC), U.S. National Renewable Energy Laboratory (NREL) and Joint Institute for Strategic Energy Analysis (JISEA), China National Renewable Energy Center (CNREC), State Grid Corporation of China (SGCC), World Energy Council.

*Participation and leadership are under review.

Lead CEM Member(s)

Denmark · Germany

CEM Member Participant(s)

Brazil · Canada · Chile · Finland · India · Japan · Mexico* · The Netherlands · United Arab Emirates · The United Kingdom

Operating Agent(s)/Coordinator(s)

International Renewable Energy Agency (IRENA)