Webinar Series: Long-Term Energy Scenarios (LTES) to support national energy transition plans in Asia

2 August 2023 – 20 September 2023

SHOWCASING BEST PRACTICES AND EXPERIENCE FROM GOVERNMENT ENERGY PLANNERS IN THE DEVELOPMENT AND USE OF LONG-TERM ENERGY SCENARIOS TO GUIDE NATIONAL ENERGY PLANS

In partnership with:

Background

The development of policies and strategies to transition from fossil-fuel-based energy systems to more resilient and cleaner systems is key to addressing the impacts and challenges of climate change and promoting sustainable development; and, due to the dynamism and evolution of the current technologies and energy markets, it is a challenging process for countries.

Long-term energy scenarios (LTES) have been used for a long time by governments as strategic tools to make integrated assessments on the evolution of energy systems to help decision and policymakers build robust public policies.

IRENA has hosted a network of energy scenario practitioners in the government sector, facilitating the exchanges of experiences in building and using LTES for planning clean energy transitions. **The Long-term Energy Scenarios (LTES) Network** currently comprises 28 country members and 13 technical partners, including the Philippines and Japan as country members from East Asia.

Under the framework of the LTES Network, IRENA has been supporting the global exchange of knowledge and experiences among government scenario practitioners and other scenario experts for over five years, collecting and documenting experiences on the development and use of LTES from over 50 countries through over 60 international and regional events and webinars organized.

The LTES-Asia webinar series is dedicated to spotlighting those countries that have significantly harnessed LTES to devise energy policies, strategies, or development plans to promote clean energy transitions. The webinar will bring together selected government energy scenario practitioners to discuss current practices, experiences, challenges, and opportunities in developing and using LTES to facilitate the energy transition. Discussions will focus on enhancing the development and use of LTES.

Objective

To facilitate a peer-to-peer exchange of practices and experiences on long-term energy scenarios in the region to enrich the global benchmark on LTES for the benefit of countries to accelerate the clean energy transition while strengthening the collaboration among LTES stakeholders in the region.

Outcomes

The knowledge and practices collected during the LTES-Asia Webinar Series will be synthesized and published through a special LTES report; the strategic outcomes of this webinar series are:

a) In-depth discussions between countries on key aspects of LTES.
b) Increased understanding of current practices and future challenges of LTES in the region.
c) Improved collaboration among LTES stakeholders in the region.
d) Increased awareness of the relevance of long-term energy planning for the region.
e) Enhanced global benchmark on LTES, with new insights from the region.

Agenda setting

The presentations and discussions of the LTES-Asia Webinar Series will cover the three explorative pillars of the LTES Network:

01. Development of LTES
02. Use of LTES
03. Creation of capacities for LTES

Presentation of current practices and experiences

For each of the previous pillars, the focus will be stressed on *the current governance structures, institutional frameworks, and national efforts done to enhance them.* The Webinar Series is **not meant** to focus on *displaying quantitative scenario results, explaining energy targets, energy shares, or energy policies, nor to present goals for new energy sector infrastructure.*

Countries are free to choose to evidence their experience and good practices on all three pillars, or on the ones that are applicable to them.

01 Development of scenarios

- **Governance structure:** *Are there good practices for developing efficient governance structures for the development of LTES? Who is responsible for developing government scenarios and how is the process coordinated across different institutions in the country? What are the measures in place that enable the effective development of national planning scenarios?*

- **Consultative and participatory process to LTES:** _Are there good practices for designing and implementing participatory processes for developing and/or using LTES in the country?_ How do these processes work in the country? Who is responsible for the coordination? What are the lessons learned in these processes?

- **Boundary of planning scenarios:** _What efforts are being made to expand the scope of the LTES developed in your country (from an institutional perspective and/or from a methodological or technical perspective)?_ What is the scope of national LTES? How are the clean **and just** energy transition features reflected in the LTES (e.g., socio-economic elements of a just transition, innovation in the energy sector, etc.)?

02: Use of scenarios

- **Purpose of the use of the scenario building:** _In which ways are the LTES used for policy making? What are the main purposes of LTES development in your country?_ For example, to forecast or backcast, build consensus, raise target ambition, plan infrastructure development, etc.

- **Communication of scenario results:** _What approaches have been implemented to communicate the government scenarios to different groups of interest?_ How transparent the scenario assumptions and results have been communicated? For example, annual publications, workshops, and online visualization platforms of scenarios.

03: Scenario capacity building

- **Planning capacity in government:** _What type of scenario planning capacity does the government have and how are they being enhanced?_ For instance, does the government possess in-house modelling capacity, or are these skills outsourced? How is the cooperation with external institutions such as consultancy firms, research institutes, and development partners in enhancing the scenario-based planning capacity?

Challenges of LTES

Building on the previous presentations, countries will discuss their points of view on the challenges faced and the plans to enhance their current practices around the three explorative pillars.

Format

Session outline: The Webinar Series will consist of 8 online sessions, each lasting between 60-90 minutes depending on the number of countries presenting. Each session will feature a presentation from one or two countries, that will share the current practices and experiences around the three explorative pillars), the presentations will be delivered by the government experts on long-term energy scenarios of each

country. The presentations will be followed by a moderated conversation and a Q&A session with the audience (see **Table** for reference).

Table 1 Session outline

Session outline	Time – Total 60 - 90 minutes
Introduction by moderator	10 minutes
First country presentation	15 minutes
Second country presentation	15 minutes
Conversation with moderator	20 minutes
Q&A from the audience	20 minutes
Conclusion and wrap up	10 min

Platform: The platform to be used is Zoom Webinar.

Language: The webinars will be conducted in English and recorded for future reference.

Dates: The Webinar Series will run every Wednesday, following the tentative schedule.

Partners

- **United Nations Economic and Social Commission for Asia and the Pacific (ESCAP).**