

Global Long-Term Energy Scenarios Network

Webinar Series

“Energy Planning Frameworks for Mobilizing Finance for the Energy Transition”

Session 1: Thursday, September 5, 2024. (14:00 – 15:40 CET)

Background

Scaling up and mobilizing investments in transition technologies is essential to keep the 1.5°C target within reach. Achieving this requires supportive policies, proper market conditions, and investor-friendly environments that actively engage finance stakeholders, *e.g. national development finance institutions, multilateral development finance institutions, private banks and investors.*

Every investment carries inherent risks, but experiences from many countries have shown that some risks can be mitigated through robust energy planning. **Energy planning frameworks** —such as governance structures, inclusive stakeholder engagement, and the development and use of Long-Term Energy Scenarios (LTES)— play an essential role in this context. They serve as a foundation to build a conducive environment for bankable projects by reducing uncertainties, aligning sectoral plans and policies, and creating the institutional capacities needed to ultimately develop the required infrastructure for the energy transition.

IRENA’s Global Network on Long-Term Energy Scenarios ([Global Network on LTES](#)) provides a platform for national energy planning institutions worldwide to exchange best practices and experiences in developing and using scenarios for more effective policymaking in the clean energy transition. Supported by the strategic framework of the Clean Energy Ministerial (CEM), the Global LTES Network also contributes to broader initiatives, such as the G20 agenda and its current priorities, which include enhancing government capacity in Emerging and Developing Market Economies (EDME) to develop financial strategies for the energy transition by strengthening the links between energy planning and the finance stakeholders.

This webinar series aims to foster strategic dialogues between the energy planning community and financial institutions to explore leveraging national energy planning frameworks to mobilize public and private finance and de-risk investments in the clean energy transition. These discussions will support the ongoing priorities of the G20 Energy Transition Working Group

Expected Outcomes

- Enhanced understanding of how energy planning frameworks, such as LTES, can be used to attract investment for the clean energy transition.
- Greater collaboration between public and private sectors in energy planning and investment.
- Strengthened governance frameworks and practices for effective scenario planning.
- Actionable insights for developing robust LTES that cater to the specific needs of various financial actors.
- Clear strategies for applying LTES insights to short-term and long-term investment decisions.

Session 1: Development Banks' Perspectives on Leveraging Energy Planning Frameworks to Mobilize Finance.

Session perspective: This session will explore how National and Multilateral Development Finance Institutions (DFIs) can leverage national energy planning frameworks to support the clean energy transition. DFIs, with their deep local and regional insights, play a key role in assisting governments in aligning energy investments with national and regional priorities, reducing investment risks, mobilizing finance, and providing technical assistance. These efforts help ensure that energy projects are well-coordinated and aligned with national and regional plans and international development and climate goals.

Agenda

Segment	Details	Time
Welcome by moderator	- <i>Juan Jose Garcia</i> , Programme Officer, IRENA .	05 minutes
Opening remarks	- <i>Norela Constantinescu</i> , Deputy Director IRENA Innovation and Technology Centre, IRENA	05 minutes
Presentation 1 Development Bank of Brazil	- <i>Guilherme Arantes</i> , Sector Manager for Energy Transition, Brazilian Development Bank (BNDES) - <i>Ricardo Gorini</i> , Head Renewable Energy Transition Roadmaps, IRENA .	10 minutes
Presentation 2 Development Bank of Ethiopia	- <i>Mengistu Desalegn</i> , Project Design and Credit Appraisal Team Manager, Development Bank of Ethiopia	10 minutes
Presentation 3 Multilateral Development Bank Regional experiences: Asia	- <i>Wei Huang</i> , Energy Specialist in the Sector, Theme, and Finance Solutions Department. Asian Infrastructure Investment Bank (AIIB) .	10 minutes
Presentation 4: Multilateral Development Bank Regional experiences: LAC	- <i>Arturo Alarcón</i> , Senior Specialist in the Energy Division. Inter-American Development Bank (IDB) .	10 minutes
Moderated Discussion	- <i>BNDES, DBE, AIIB, IDB</i>	35 minutes
Q&A form audience		10 minutes
Closing remarks	Moderator	05 minutes

Topics to cover and suggested questions for moderated discussion

1. The Role of Energy Planning Frameworks in Mobilizing Finance

Guiding Questions:

- *In your experience, what are the most effective elements within national energy planning frameworks, such as governance structures, inclusive stakeholder engagement, or use of scenario-based energy plans, that DFIs can leverage to enhance the mobilization of finance for clean energy projects? Can you provide examples of successful collaborations that have resulted in increased investment flows?*
- *How do scenario-based energy plans contribute to the decision-making process of DFIs when evaluating the financial viability of clean energy investments? Which elements of these scenarios are most critical in aligning investment strategies with long-term national energy goals?*

2. The Role of Energy Planning Frameworks in De-risking Investments

Guiding Questions:

- *What specific roles do DFIs play in facilitating coordinated energy planning efforts among government agencies, financial institutions, and other stakeholders to reduce investment risks in the clean energy sector? Can you highlight any mechanisms or tools that have been particularly effective in this regard?*
- *From your perspective, how do energy planning frameworks help establish the policy and regulatory stability required to attract private investment in clean energy projects? What are the key factors that DFIs consider when assessing the investment environments in emerging markets?*

3. The Role of Energy Planning Frameworks in Strategic Alignment and Collaboration for Sustainable Investment

Guiding Questions:

- *How can DFIs collaborate with national energy planning bodies to align their investments with both national priorities and international commitments such as the Paris Agreement? Can you provide examples of how such alignment has been successfully achieved in your projects?*
- *From your experience, what are the critical success factors for DFIs when engaging with national energy planning frameworks to ensure that their investments not only meet financial objectives but also support sustainable development and climate resilience?*

Speaker Biographies

Wei Huang, Asian Infrastructure Investment Bank – AIIB



Ms. Wei Huang is Energy Specialist at the Sector, Theme, and Finance Solutions Department of the Asian Infrastructure Investment Bank (AIIB). She is responsible for the implementation of AIIB's Energy Sector Strategy as well as AIIB's commitment of Paris Alignment in the energy sector. Her work spans from assessing technology and country energy status in Asia and beyond to providing project operational support and advising financing solutions for energy transition. Prior to joining AIIB, Ms. Huang primarily worked as a climate and energy transition specialist in non-governmental organization. She holds a BSc in Economics from the University of Warwick and MSc in Development Studies from London School of Economics.

Arturo Alarcon, Inter-American Development Bank – IDB



Arturo D. Alarcón is a Senior Specialist in the Energy Division at the Inter-American Development Bank (IDB), based in Washington D.C. He joined the IDB in 2010 and has been actively involved in various countries across the region, leading investment projects in the power sector and supporting dialogue on regional integration and the modernization of planning and regulatory frameworks.

He serves as technical coordinator within the energy division. Arturo holds a degree in Electromechanical Engineering, a Ph.D. in Electrical Engineering, and a Master's degree in Power Systems and Business.

Guilherme Arantes, Brazilian Development Bank – BNDES



Guilherme is the Energy Transition Intelligence Manager at BNDES's Energy Transition and Climate Change Division. He has participated in the design and implementation of incentive policies for the wind and solar energy industries in Brazil, working as an engineer in the Department of Industrial Chains and Suppliers. Previously to BNDES, he was an Energy Research Analyst at EPE, where he worked on renewable energy studies focused on wind, solar, and biomass. He also contributed to developing integrated resource optimization models for studies on expanding the Brazilian Energy Matrix. He holds a degree in Electrical Engineering, with an extension in Energy Planning and a post-graduate degree in Finance.

Mengistu Desalegn, Development Bank of Ethiopia – DBE



Project Design and Credit Appraisal Team Manager at the Green Economy Programs & Projects Fund Management Division. Development Bank of Ethiopia

Ricardo Gorini, International Renewable Energy Agency – IRENA



Ricardo Gorini is Senior Programme Officer - REmap at the International Renewable Energy Agency (IRENA). At IRENA he is responsible for the Renewable Energy roadmaps program at global, regional and country level. Previously he has worked in the financial market and mining sector, as well as advisor for energy policies and regulation in Brazil.