

Virtual seminars

Long-term energy scenarios (LTES) for developing national clean energy transition plans in Latin America

A joint initiative of IRENA, ECLAC and GET.transform to support knowledge sharing among government energy planners in Latin America, within the framework of the Technical Forum of Energy Planners (FOREPLEN).

Session 2: Costa Rica and Panama

Wednesday, 17 February 2021,
12h00 - 13h30 (Santiago, Chile GMT-3)
[Register and access the event here](#)

Agenda (Santiago, Chile GMT-3)

Moderators:

- **Antonio Levy**, Technical Expert, GET.transform
- **Ruben Contreras Lisperguer**, Economic Affairs Officer, Natural Resources Division, Energy and Water Unit, ECLAC

12h00 – 12h10	Welcome remarks
12h10 – 12h25	First presentation: Costa Rica <ul style="list-style-type: none">▪ Arturo Molina, Technical Expert, Secretaría Planificación Subsector Energía
12h25 – 12h40	Second presentation: Panama <ul style="list-style-type: none">▪ Guadalupe Gonzalez, Director of Electricity, Secretaría Nacional de Energía
12h40 – 13h00	Discussion between moderator and panelists
13h00 – 13h20	Audience Q&A
13h20 – 13h30	Conclusion and closing remarks

*Honorary titles omitted.

For more information, please contact IRENA at ltres@irena.org.

Presenters:



Guadalupe Gonzalez

Director of Electricity, Secretaría Nacional de Energía

Dr. Gonzalez is a Panamanian, graduated from the Technological University of Panama where she obtained a bachelor's degree in Electromechanical Engineering and has a PhD in Electrical Engineering from Texas A&M University, USA. Since 2006, she has worked as a research assistant at the Technological University of Panama and since 2011 she has been an Assistant Professor at the Department of Electrical Engineering of the Technological University of Panama (UTP) where she is also Director of the SMARTS-E Research Program.

Since 2019, Dr. Gonzalez is the Director of Electricity at the National Secretariat of Energy. Furthermore, Dr. Gonzalez is a member of scientific associations such as the Panamanian Association for the Advancement of Science (APANAC), IAEE and the IEEE where she is a Senior Member and has volunteered in different positions within the IEEE Panama Section and at international level. For her work on the IEEE Power and Energy Society and Women in Engineering in Latin America and Panama, in 2016 she was one of the recipients of the IEEE MGA Achievement Award and the IEEE Panama Section's Manuel Lopez Spla Award. Finally, since 2016 she is consultant and active member of the Regional Initiative for Developing Patent of CAF – Development Bank of Latin America. Since 2017, Dr. Gonzalez is member of the Board of Directors of the World Energy Council's Panama Chapter.

Her areas of interest include: energy planning, smart cities, sustainable engineering, renewable energy systems and modeling of energy systems. Currently, she also realizes studies on modeling of physical properties of biological materials. Dr. Gonzalez has published multiple articles in indexed journals and conference proceedings at the national and regional levels.



Arturo Molina

Technical Expert, Secretaría Planificación Subsector Energía

Chemical Engineer since 1988. He has served as an official of the Executive Secretariat of Planning of the Energy Subsector of the Ministry of Environment and Energy of Costa Rica since 1993. He participates in the formulation of laws, regulations, plans, policies and programs related to energy development, promotion of renewable energies and energy efficiency. He is part of working teams for the preparation of basic studies of demand

behavior, as well as for the elaboration of energy prospects.