6th International Forum on Long-Term Energy Scenarios (LTES) for the Clean Energy Transition

**Session 4. Institutional considerations for adopting modelling tools.**

Co-hosted with: GET.Transform

*Wednesday, 29 October 2025. Bonn, Germany. 16:15-17:45 (CET)*

1. **Context**

Many governments face the challenge of sustaining modelling capacity: skilled staff move on, funding cycles are short, and tool deployment takes longer than policy timelines allow. While open-source tools can reduce costs and increase transparency, they require governance arrangements to ensure they are maintained and used consistently across ministries.

This session will bring together country representatives and experts to share practical experiences of institutionalizing modelling tools in their planning processes. The emphasis will be on governance solutions, such as creating permanent modelling units, building inter-ministerial structures, or developing partnerships that sustain capacity. By exchanging lessons, participants will identify strategies for building sovereign, adaptive planning systems that can inform long-term energy scenarios.

This roundtable will focus on how countries have embedded open-source and other modelling tools into their planning systems. Participants will share approaches to retain skills, manage staff turnover, and operationalize tools quickly enough to inform planning cycles. The discussion will emphasize governance and institutional ecosystems, *i.e.* *how models are made permanent parts of planning*.

1. **Objective**

To identify governance and institutional strategies that help countries adopt and sustain modelling tools as part of their national planning ecosystems, ensuring resilience, transparency, and agility in scenario development.

1. **Expected outcomes**

* Practical guidance on institutionalizing modelling capacity beyond individual projects or experts.
* Strategies to build collaborative ecosystems where modelling results are shared across ministries.
* Peer-to-peer exchange of approaches to address staff turnover, funding gaps, and deployment delays.
* Contributions to LTES Network workstreams on strengthening sovereign planning capacity.

1. **Proposed Agenda (90 min)**

**Moderator:** Carla Canone Climate Compatible Growth.

**Start:** 16:15 (CET)

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| **Duration** | **Details** |
| 07 min | **Welcome and introduction by moderator.**  *Overview of the session and context of the topic.* |
| 15 min | **Scene-setting presentations.**  *Experiences on institutionalizing modelling tools in governments.*  *Speaker: GET.Transform*  *IRENA presentation – modelling support to countries.*  *Speaker: (TBC)* |
| 65 min | **Roundtable dialogue.**  *Interventions:*   * *Luis Vilchez. Ministry of Energy and Mines. Peru. (TBC)* * *Randall Zuñiga Madrigal. Energy Planning Secretariat (SEPSE) at the Ministry of Environment and Energy. Costa Rica (TBC)* * *Canada – EMH (TBC)* * *Usman Ahmad. Energy Planning & Resource Center. Energy Wing, Ministry of Planning, Development & Special Initiatives. Pakistan* * *Turki Abdulaziz Al-Aqeel. Saudi Arabia (TBC)* * *Denmark (TBC)* * *Ali Ahmed Ali. Egypt. (TBC)* * *Christodoulos Ellinopoulos. Cyprus (TBC)* * *Michael O Sinocruz. The Philippines. (TBC)* |
| 03 min | **Wrap-up of the session** |

1. **Proposed prompts for dialogue**

Capacity and resources

* **Retention**: How do you keep modelling capacity when staff rotate or leave?
* **Funding**: How do you sustain budgets for modelling teams over time?

Operationalization and use

* **Deployment**: How do you make open-source tools usable quickly enough for real planning deadlines?
* **Integration**: How are models linked to official planning cycles or regulatory processes in your country?

Institutional embedding

* **Collaboration**: How do you ensure results are shared across ministries, not siloed in one team?
* **Continuity**: What governance arrangement (unit, law, committee) helps you make modelling permanent rather than project-based?

Partnerships and external support

* **Partnerships**: What role have international partners or regional initiatives played in strengthening your modelling institutions?