

## Lunchtime Side Event

### Innovations and the future energy system: What's missing in today's long-term scenarios?

Part of IRENA's CEM Campaign "Long-term Energy Scenarios for the Clean Energy Transition"

**12:45 – 14:00, Thursday, September 6, 2018, Chairman's Lounge**  
**[Lunch will be provided in the room]**

The world's energy system is facing profound changes. Innovations in the way energy is generated, distributed and used, as well as the ways in which energy systems operate and link with wider infrastructure, are paving the way for completely new landscapes around the world. In this complex and uncertain environment, decision makers who are responsible for policy and investments are looking to minimize the risk of poor choices and take full advantage of disruptive technologies. Long-term scenario analysis is an invaluable tool in this process, but **are today's long-term energy scenarios up to the task of capturing transformational change?**

As part of IRENA's new Clean Energy Ministerial Campaign (CEM) on "Long-term Energy Scenarios (LTES) for the Clean Energy Transition", this side event will aim to answer that question. Drawing on the expertise of government planners and private industry attendees at Innovation Week, the event will explore:

- » Which innovations in technology or business models should be reflected in long-term scenarios of clean energy transitions to 2030-2050;
- » To what extent those innovations are currently reflected in scenarios; and
- » How long-term scenarios in general can be made more relevant to business planning and policy making under large innovation-related uncertainties.

After brief interventions by an expert panel, the audience will be invited to share their thoughts on the topics above in an open and dynamic discussion, which will contribute to the output of IRENA's CEM LTES Campaign.

#### Programme

**Moderator: Craig Morris (Senior Manager - Energy Systems, Renewables Grid Initiative)**

**12:45 - 12:55: Introductory remarks from Moderator and Dolf Gielen (Director, IRENA Innovation & Technology Centre)**

**12:55 - 13:15: Panel interventions**

- » **Non-private perspective (e.g. government planning)**
  - Luiz Barroso (Former CEO, Energy Research Office (EPE) Brasil)
  - Robert Schroeder (Manager System Development, ENTSO-E)
- » **Private-sector perspective**
  - Klaus Willnow (Head of Innovation and Future Technologies, Siemens Gamesa Renewable Energy)
  - Ernesto Ciorra (Chief Innovability Officer, ENEL SPA)

**13:15 - 13:25: Moderator questions and panel discussion**

**13:25 - 14:00: Open interventions and discussion**