

Powering the Future: Leveraging digitalisation for efficiency, resilience and decarbonisation

Tuesday 6 June 2023: 14h00 – 17h30 EST

Richelieu Amphitheatre,
Versailles, France

Event background

The mounting pressures to decarbonise and electrify in conjunction with the climate and energy crisis are creating a new imperative for digitalisation. This event brings together policy makers, regulators, utilities, technology and service providers and experts to discuss actions needed to ensure a trajectory towards efficient, resilient and clean power systems. During this event, the IEA will launch the Digital Demand-Driven Electricity Networks (3DEN) Initiative's first flagship report on Unlocking smart grid opportunities in Emerging Markets and Developing Economies.

The discussion will focus on:

- The central role of power systems modernisation in improving the efficiency and flexibility of demand.
- How digitalisation can help meet urgent needs such as increased efficiency and reduced losses, improved utilisation of assets, increased reliability while facilitating decarbonisation pathways, especially in emerging economies and developing countries.
- Actions needed to scale up digitalisation including the role of pilot with insights from implementors of the Italy/UNEP smart grid pilot programme in emerging economies.

The event will be moderated by Ana Rovzar, energy specialist.

Agenda

14h00	<p>Opening remarks</p> <ul style="list-style-type: none"> • Dr. Brian Motherway, Head, Energy Efficiency Division, IEA • Ms. Valeria Piazza, Attaché for Energy and Industrial policies, The Permanent Delegation of Italy to the Organization for Economic Cooperation and Development • Mr. Mark Radka, Chief Energy & Climate Branch, UNEP
14h10	<p>Changemaker Conversation: Powering a Clean Energy Future</p> <p><i>Key-note discussions and interventions on future power systems and on the steps needed to move forward meeting climate objectives, while ensuring affordability and energy access, energy efficiency and climate change progress.</i></p> <ul style="list-style-type: none"> • Ms. Audrey Zibelman, former CEO of AEMO and currently Non-Executive Director and Advisor for the energy transition • Ms. Laura Sandys CBE, Chair, UK Government Energy Digitalisation Taskforce; Chair, Domestic Energy Efficiency Strategy, Energy Efficiency Taskforce • Ms. Reena Suri, Executive Director, India Smart Grid Forum (ISGF) • Ms. Rosana Santos, Executive Director, E+ Energy Transitions Institute
14h50	<p>3DEN initiative and Flagship Report Launch</p> <p><i>Highlights from the Digital Demand-Driven Electricity Networks (3DEN) initiative, launch the 3DEN first flagship report on smart grids for reliable and efficient power systems in emerging and developing countries.</i></p> <ul style="list-style-type: none"> • Ms. Annalidia Pansini, Senior Advisor, Italian Ministry for the Environment and Energy Security • Ms. Vida Rozite, 3DEN Programme Lead, IEA
15h20	<p>Coffee Break</p>
15h45	<p>Leveraging Digitalisation for Efficiency, Resilience and Decarbonisation</p> <p><i>Experts will share insights on current and future challenges, as well as lessons learned from smart grid implementation and pilots and discuss how digitalisation can provide multiple benefits across the power system and beyond.</i></p> <p>Keynote address</p> <ul style="list-style-type: none"> • Ms. Alessandra Fidanza, Senior Expert, Italian Ministry for the Environment and Energy Security <p>Panel discussion</p> <ul style="list-style-type: none"> • Mr. Daniele Russolillo, COO & Deputy CEO, Planet Smart City • Mr. Pankaj Agarwal, CEO, Panitek • Ms. Meriem El Mernissi, Productivity & Go To Market Director, Les Eaux Minérales d'Oulmès • Mr. David Arinze, Programme Officer Off-Grid Energy, Diamond Development Initiatives • Dr. Shivani Sharma, Principal Technical Consultant, Power Consulting, Hitachi Energy • Ms. Viviana Vitto, Head of market Strategy and Regulatory Analysis, Enel Grids
16h35	<p>Scaling up and Accelerating – the Role of International Collaboration</p> <p><i>Discussion on actions needed to take digitalisation to the next level to support power systems of the future.</i></p> <p>Scene setting</p> <ul style="list-style-type: none"> • Mr. Luciano Martini, Chair of International Smart Grid Action Network and Director of Green Powered Future Mission of Mission Innovation

	Panel discussion <ul style="list-style-type: none">• Ms. Bertha Dlamini, President, African Women in Electricity and Power• Ms. Agnes da Costa, Executive Director, Agência Nacional de Energia Elétrica (ANEEL), Brazil• Ms. Jiang Liping, Level III Consultant of SGCC, former Vice president State Grid Energy Research Institute (SGERI)• Mr. Chris Dunstan, Adjunct Associate Professor, University of Technology Sydney• Mr. Samir Rachidi, Acting General Manager, IRESEN• Mr. Andrei-Silviu Covatariu, Co-chair of the United Nations Economic Commission for Europe Digitalization in Energy Task Force
17h25	Closing remarks <ul style="list-style-type: none">• Ms. Vida Rozite, 3DEN Programme Lead, IEA

Livestream: <https://www.iea.org/events/powering-the-future-leveraging-digitalisation-for-whole-system-efficiency>