



IEA Energy Innovation Forum 2025

In support of Canada's G7 2025 Presidency

Agenda

29 October 2025

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International
Energy Agency



For five decades, the International Energy Agency has been cooperating with international experts to help set the energy technology agenda and convene decision-makers, advising governments all around the world. The IEA hosts a unique international [Technology Collaboration Programme](#), the framework for which was developed from 1974 and now boasts about 6 000 experts from 55 countries in 39 longstanding and self-governing programmes. The IEA also works with numerous multilateral initiatives, including Mission Innovation and the Clean Energy Ministerial.

This work has never been as important as it is today, with innovation required to play a critical role in enabling faster transitions to a more secure and sustainable energy sector. Many factors influence how quickly new and improved technologies emerge, including resources for R&D, market attractiveness, costs of finance and the ease of knowledge exchange and trade. The outcomes are inherently uncertain but there are tools available to minimise risks. It is time to renew the commitment to supporting the innovators, investors and policy makers that are challenging the status quo of energy production and use to build a new energy economy.

The IEA Energy Innovation Forum 2025 follows the inaugural edition organised alongside the programme of the IEA 50th Anniversary Ministerial 2024. That edition responded to a **request from G7 leaders** in their 2023 Clean Energy Economy Action Plan “to convene an international forum with relevant parties from the public sector, finance, corporate, research and start-ups” for the support of the research, development, and deployment of clean technologies as a critical enabler of an accelerated clean energy transition, including in low- and middle-income countries.

The 2025 edition is being co-hosted by the IEA and the Government of Canada the day prior to the G7 Energy and Environment Ministerial Meeting in Toronto on 29 October 2025. The conclusions and the main outlines of the 2025 IEA Energy Innovation Forum will be shared with G7 Ministers at the G7 Energy and Environment Ministers' Meeting. The event's primary objectives are to identify key opportunities and risks facing energy technology innovation, inform senior decision-makers about high impact actions for prioritisation in the near term, and highlight the importance of international cooperation. Participation is not limited to G7 member countries, and the Forum is intended to inform and reinforce other international initiatives.

The Forum is structured around roundtable discussions among international experts and practitioners on topics of high relevance in 2025. All participants will have an opportunity to take the floor at least once during the day to share their perspectives.

The IEA report [The State of Energy Innovation](#), published in April 2025, provides a data-driven and peer-reviewed basis for discussion. The report's chapters reflect the main sessions of the Forum, which are:

- The state of energy technology innovation today
- Energy technology innovation in developing economies and for pressing energy security needs
- Lessons from first-of-a-kind projects, towards the IEA [Races to First in Energy Innovation](#) milestones
- Three breakouts: AI for energy technology; Carbon dioxide removal; Battery mineral resilience

Around 200 experts will attend from government, major firms, start-ups, research and finance.

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Further reading: [Energy Technology Perspectives 2024](#); [AI and Energy](#); [Innovation at the IEA](#).

Session 1		Welcome and keynote speeches	
09:00	Toronto I/II	Moderator for the day: Akshat Rathi, Senior Reporter, Bloomberg News	<ul style="list-style-type: none"> • The Hon. Tim Hodgson, Minister of Energy and Natural Resources, Canada • Dr Timur Gül, Chief Energy Technology Officer, International Energy Agency • Keynote address: John Stackhouse, Senior Vice-President, Royal Bank of Canada • Three-way start-up fireside chat among inspiring innovators: <ul style="list-style-type: none"> • Luca Mezossy-Dona, Co-Founder, IONATE • Philippe Hoeblich, CEO & Co-Founder, PayGas • Amanda Hall, CEO, Summit Nanotech
Session 2		The State of Energy Innovation 2025	
10:00	Toronto I/II	Moderator: Akshat Rathi, Senior Reporter, Bloomberg News	<ul style="list-style-type: none"> • Presentation by Dr Timur Gül, Chief Energy Technology Officer, IEA • Rosalinde van der Vlies, Director Just Transition, Consumers, Energy Efficiency and Innovation, DG Energy, European Commission • Cristina Lopez, Managing Director, Canada Growth Fund <p>Questions for discussion: Which are the brightest spots of technology progress in the past year? What technology areas are misunderstood or undervalued by investors and funders? What risks do innovators face in the near term if critical barriers are not removed? Where should G7 governments focus their efforts?</p>
Networking break			
Session 3		Progress with large-scale first-of-a-kind projects	
11:30	Toronto I/II	Moderator: Marta Jara, Head of Hydrogen Division, Ventus	<ul style="list-style-type: none"> • Roadrunner Project. Ayesha Choudhury, Chief Commercial Officer, Infinium • Eavor Loop Geretsried Geothermal. Robert Winsloe, Executive Vice President, Origination, Eavor-Technologies • STRATOS Direct Air Capture and Storage. Anthony Cottone, President, 1PointFive • Inert anode technology for aluminium smelting. François Perras, President & CEO, ELYSIS <p>Questions for project presenters: What funding models have helped support the project so far? What non-financial support has been critical? What do governments, investors and other project developers need to know about your project? What important transferrable lessons have been learned so far? Which stakeholders can foster success for your project and similar projects to achieve its milestones and achieve wide deployment?</p>
Networking lunch			
<p>Plus seated lunch hosted by the Hon. Julie Dabrusin, Minister of Environment and Climate Change, Canada</p> <p>(invitation only)</p>			

Session 4			
Parallel breakout discussions on topical issues			
14:00	<p>1. What are the opportunities for AI to accelerate the pace of clean energy technology innovation?</p>	<p>2. What will it take to accelerate the scale-up of engineered CO₂ removal technologies?</p>	<p>3. What technologies need dedicated support to diversify and add value to battery mineral supplies?</p>
	<p>Room Toronto I/II</p> <p>Moderator: Eleanor Webster, Head of Secretariat, Mission Innovation</p> <p>Opening speakers:</p> <ul style="list-style-type: none"> Alán Aspuru-Guzik, Professor, University of Toronto Acceleration Consortium Marsden Hanna, Head of Energy and Sustainability Policy, Google Jon Hennek, Chief Product Officer, Lila Sciences 	<p>Room Toronto III</p> <p>Moderator: Marcius Extavour, Partner, Ode</p> <p>Opening speakers:</p> <ul style="list-style-type: none"> Alex Petre, CEO, Deepsky Wendy Lam, CEO, Capsol Christine Guyot, Director, Corporate Affairs, Microsoft Na'im Merchant, Executive Director, Carbon Removal Canada 	<p>Room Carmichael-Jackson</p> <p>Moderator: Inga Petersen, Executive Director, Global Battery Alliance</p> <p>Opening speakers:</p> <ul style="list-style-type: none"> Ryan Melsert, CEO, American Battery Technology Company Megan O'Connor, Co-Founder and CEO, Nth Cycle Nobuto Nakanishi, Director, Panasonic Energy Morgan Bazilian, Professor, Payne Institute, Colorado School of Mines

Networking break

Session 5	
Energy technology innovation for development and for securing energy needs	
16:00	<p>Moderator: Akshat Rathi, Senior Reporter, Bloomberg News</p> <p>Ministerial address: The Hon. Svitlana Grynchuk, Minister of Energy, Ukraine (video)</p> <p>Toronto I/II</p> <p>Q&A with Amb. Andrii Plakhotniuk, Ambassador of Ukraine to Canada</p> <ul style="list-style-type: none"> Opening remarks: <ul style="list-style-type: none"> Madhavi Srinivasan, Professor, Nanyang Technological University Diana Maranga, Head of Commercialisation, Octavia Carbon Phil Johnson, Vice President, Business Development, Six Nations of the Grand River Development Corporation <p>Questions for discussion: <i>Which technology needs are most pressing? Are there success stories that offer inspiration to investors and policy makers? How is the energy technology challenge in emerging economies different from that for G7 countries? What actions can be taken to have the highest impact, such as policy, finance and international cooperation?</i></p>

Session 6	What to watch and where to act over the next 12 months
<p>17:00</p> <p>Toronto I/II</p>	<p>High-level remarks from Shinichi Kihara, Director-General for Energy and Environmental Policy, Ministry of Economy, Trade and Industry, Japan</p> <p>A presentation of the takeaway messages from the parallel sessions will be given by Damitha Adikaari, Chair of the IEA Committee on Energy Research and Technology.</p> <p><i>The event will close with a tour-de-table to hear views from attendees on what is moving faster than people expected, what is more challenging, and emerging opportunities for this community to have the biggest impact in the near term.</i></p> <p>Closing remarks from Frank Des Rosiers, Assistant Deputy Minister, Energy Efficiency and Technology, Natural Resources Canada</p>
18.30	<p>Networking reception</p> <p>Welcome from Cindy Termoshuizen, Deputy Minister for the G7 Summit and Personal Representative of the Prime Minister for the G7 and G20 Summits, Canada</p>

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