

# IEA Low-carbon Gas Day

*The role of low-carbon gases in decarbonisation pathways*

International  
Energy Agency

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The decarbonisation of the gas and broader energy system will require **the scale-up and deployment of low-carbon gases**, including biomethane, pure low-carbon hydrogen, hydrogen blends, synthetic methane - and natural gas subject to Carbon Capture Utilisation and Storage (CCUS) both at production and at end-use.

In addition to their environmental benefits, **domestically produced low-carbon gases** can reduce the reliance on fossil fuel imports and **foster energy supply security** already in the medium-term.

Given the need the immediate need to speed-up the deployment of low-carbon gases, the industry, infrastructure and regulation should begin adapting already now to enable their cost-efficient **integration into the gas system** in the future. Moreover, an orderly transition from the current gas system to a model integrating multiple gases **will require prudent market design** already in the early stages, to take into consideration the network integration challenges and changing supply flexibility of low-carbon gases and ultimately their implications to security of supply.

The IEA Secretariat will host a **Low-carbon Gas Day** with the involvement of both government representatives and private stakeholders to further enhance the **international dialogue** on low-carbon gases, promote mutually beneficial **partnerships** and facilitate **information dissemination** to the broader public.

## Agenda

- 9:00 – 9:10** Opening remarks by Keisuke SADAMORI, Director, Energy Markets and Security Directorate, IEA
- 9:10- 10:10** **Low-carbon gases: pathways and roadmaps**
- 9:10 – 9:25** The role of low-carbon gases in the Net Zero by 2050 Roadmap  
*Tim Gould, Chief Energy Economist, IEA*
- 9:25 – 9:40** Low-carbon gases in Japan’s Strategy reaching Net Zero by 2050  
*Taichi Noda, Director of the Gas Market Office, Ministry of Economy, Trade and Industry (METI)*
- 9:40 – 9:55** The role of low-carbon gases in the EU Green Deal  
*Mechthild Wörnsdörfer, Deputy Director-General – Directorate-General for Energy, European Commission*
- 9:55 – 10:10** Q&A
- 10:15 -11:20** **How can gas infrastructure support the scale-up of low-carbon gases?**
- 10:15 – 10:20** Opening remarks by Noé van Hulst, Special Hydrogen Advisor at the IEA
- 10:20 – 10:35** Denmark: Green transition with green gas grids  
*Torben Brabo, Senior Vice President, Energinet Group*
- 10:35 – 10:50** Tokyo Gas: Social implementation of synthetic methane to achieve carbon neutrality  
*Hisataka Yakabe, Executive Officer, General Manager of Hydrogen&Carbon Management Technology Strategy Department, Tokyo Gas*
- 10:50 – 11:05** Cadent: The hydrogen opportunity from a DSO perspective  
*Andy Lewis, Future Networks Manager, Cadent Gas Limited*
- 11:05 – 11:20** Kawasaki: International liquefied hydrogen supply chain  
*Motohiko Nishimura, Executive Officer, Deputy General Manager, Hydrogen Strategy Division, Kawasaki Heavy Industries*
- 11:20 – 11:35** Gasunie: Building a hydrogen backbone  
*Eddie Lycklama a Nijeholt, Project Director Hydrogen Backbone, Gasunie*
- 11:35 – 11:55** Q&A
- 11:55 – 12:00** Closing remarks by Noé van Hulst, Special Hydrogen Advisor at the IEA



12:00 – 14:00: break

**14:00 -16:00** Repurposing regulation: enabling system integration of low-carbon gases

**14:00 – 14:05** Opening remarks by Jose Miguel Bermudez Menendez, Hydrogen Technology Analyst, IEA

**14:05 – 14:30** European Commission: Hydrogen and Decarbonised Gas Market Package  
*Justin Rosing, Policy Officer, Directorate-General for Energy, European Commission*

**14:30 – 14:50** Enagas: Low-carbon gas regulation from a TSO perspective  
*María Sicilia, Director of Strategy, Enagás*

**14:50 – 15:10** Financing gas pipeline repurposing: an investor's view  
*Cristian Carraretto, Head of SBI, Energy Transition, EBRD*

**15:10 – 15:30** Unleash Europe's biomethane potential: how to adapt the regulatory framework?  
*Olivier Guerrini, Vice President Biogas Business Unit, TotalEnergies*

**15:30 – 15:45** Q&A

**15:45 -15:55** Closing remarks by Keisuke SADAMORI, Director, Energy Markets and Security Directorate, IEA