



Carbon Management Technologies

IEF

“Strategies and mechanisms to scale Carbon Capture, Utilisation, and Storage”

IEF High-Level Roundtable on Carbon Management Technologies

In collaboration with the

Clean Energy Ministerial and the King Abdullah Petroleum Studies and Research Center



Monday 27 September 2021

16:00 Riyadh, Doha, Manama, Moscow | 17:00 Dubai, Muscat

14:00 London, Algiers | 15:00 Brussels, Johannesburg, Oslo

8:00 Bogota, Mexico City | 9:00 Washington, Ottawa

The First High-Level Roundtable on Carbon Management Technologies will focus on what works and what needs fixing to deploy large-scale Carbon Capture, Utilisation and Storage (CCUS) projects from government, industry, and the finance community perspectives. In response to Ministers’ calls for greater international dialogue and collaboration on carbon management solutions, the roundtable will seek to formulate CCUS strategies in different economic contexts, focusing firstly on the Gulf region countries. The meeting will discuss the uptake of CCUS technologies in the Gulf and will also bring experiences in industrial clusters in North-West Europe, North America, and Asia-Oceania, to inform discussions on comprehensive CCUS strategies.

Despite the progress made in certain areas over the past decades, a multitude of industry scale CCUS projects will have to enter operation to permanently store or use carbon dioxide, facilitate the launch of new energy carriers such as hydrogen and reduce the carbon dioxide emissions that renewables and nuclear power cannot displace. CCUS projects should therefore benefit from far greater government support to accelerate economy wide deployment. Beyond more comprehensive CCUS strategies that offer investors the certainty they require and governments the assurances that policy goals will be met reliably at acceptable cost, an international CCUS mechanism set up in collaboration with governments, market stakeholders, and international organisations can help to broaden the scope of CCUS policies and help catalyse investment.

This will enhance access to sustainable finance for industry, strengthen physical financial market stability, and broaden public acceptance and support for energy transition and climate change goals in both producer and consumer countries. Reducing real and perceived hurdles to CCUS by formulating comprehensive strategies has never been more important for a swift, secure, and sustainable recovery that meets affordable energy access and climate goals.

Key questions

1. *How have CCUS projects advanced globally over the past years and why?*
2. *How has CCUS progressed in the Gulf region and what are the future opportunities?*
3. *What government support measures, market mechanisms, fiscal incentives and financing tools facilitate CCUS projects; how can these be best applied in the Gulf region?*
4. *How can hydrogen, other net-zero fuels, or various CO₂ utilisation opportunities accelerate CCUS investment?*
5. *What can the IEF Energy Ministers, the CCE Platform and the Clean Energy Ministerial do to accelerate CCUS deployment?*

16:00 to 16:15

Welcome and scene setting

Joseph McMonigle, Secretary General, International Energy Forum (IEF)

Adam Sieminski, Senior Advisor to the KAPSARC Board of Trustees

Dan Dorner, Head, Clean Energy Ministerial Secretariat (CEM)

16:15 to 17:30

Invited Ministers Perspectives on CCUS strategies, policy support, and tools to accelerate deployment.

H.E. Shaikh Mohammed bin Khalifa Al Khalifa, Minister of Oil, Bahrain

H.E. Suhail Mohamed Al Mazrouei, Minister of Energy and Infrastructure, United Arab Emirates

H.E. Lars Andreas Lunde, Deputy Minister, Ministry of Petroleum and Energy, Norway

Alex Milward, Director for CCUS, Department for Business, Energy and Industrial Strategy, United Kingdom

Maria DiGiulian, Acting Deputy Assistant Secretary for International Affairs, Department of Energy, United States of America

Roundtable Discussion/Q&A

17:30 to 18:45

Invited Industry Perspectives on CCUS investment and financing conditions, business models, and cooperation

Moderator Jarad Daniels, Director, Office of Strategic Planning and Global Engagement, US DOE

Ed Graham, Vice President, Low Carbon Solutions, ExxonMobil

Syrie Crouch, Vice President, Carbon Capture Storage, Shell

Tidjani Niass, Senior Sustainability Strategist, Saudi Aramco

Christyan Malek, Managing Director, Head of Oil & Gas EMEA, J.P. Morgan

Discussants

Lee Beck, International Director for Carbon Capture, Clean Air Task Force (CATF)

Tim Bertels, Senior Partner, Darel Group

Wolfgang Heidug, Senior Research Fellow, Climate and Environment, KAPSARC

Julio Friedmann, Senior Research Scholar, SIPA Center on Global Energy Policy, Columbia University

Roundtable Discussion/Q&A

18:45 to 19:00

Summary of key findings and next steps

Joseph McMonigle, Secretary General, International Energy Forum (IEF)

Adam Sieminski, Senior Advisor to the KAPSARC Board of Trustees

Dan Dorner, Head, Clean Energy Ministerial Secretariat (CEM)

Participation and proceedings

Participation in the high-level roundtable is by invitation only. The Scene Setting and Ministerial Session will be live streamed to the public on multiple platforms. The Industry Thought Leaders' Session shall be governed by the Chatham House Rule.

Backgrounds

G20 Energy Ministers endorsed the Circular Carbon Economy Platform in September 2020. Major energy producing countries announced the establishment of the Net-Zero Producers Platform in April, the G7 Climate and Environment Ministers called to rapidly scale technologies and policies to decarbonise power systems by 2030 in May 2021, and the G20 Climate and Energy Ministers Meeting in Napoli on 23 July explicitly recognised the need for investment and financing for advanced clean technologies including CCUS and carbon recycling. Meeting shortly in advance of the UN Climate Conference (COP26) in November this year and the 17th Ministerial Meeting of the IEF devoted to "Orderly Transitions in A New Era: Energy Security and Shared Goals Post COVID-19" this high-level thought leaders meeting will accelerate the uptake of CCUS and circular carbon models in energy and climate policy, and industry practice.