




ASIA CCUS NETWORK **The First ASIA CCUS Network Forum**

ERIA **METI**
Ministry of Economy, Trade and Industry

22-23 June 2021, Virtual Conference

[First Launch Asia CCUS Network](#)

22–23 June 2021

‘Asia CCUS Network’ has Launched

On 22 June 2021, Prof Hidetoshi Nishimura, President of Economic Research Institute for ASEAN and East Asia, jointly with Mr Hiroshi Kajiyama, Minister of Economy, Trade and Industry of Japan, attended the 1st Asia CCUS Network Forum and announced the launch of ‘the Asia CCUS Network’, which is an international industry–academia–government platform aimed at knowledge sharing and improvement of the business environment for utilisation of carbon capture, utilisation, and storage (CCUS) throughout the Asia region. Thirteen East Asia Summit (EAS) member countries and more than 100 companies, research institutions, and international organisations have so far expressed their intention to participate in the network.

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A. Summary of the Past Events

1st Knowledge Sharing Conference

26 July 2021



ASEAN's Energy Challenges: A Boon for Future CCUS Development

Jakarta/Paris, 26 July 2021, the future of carbon capture, utilisation, and storage (CCUS) technologies in Southeast Asia looks promising, based on a conference held by the Asia CCUS Network in partnership with the International Energy Agency (IEA). The discussion regarding this carbon-neutral technology was part of the ground-breaking 1st Asia CCUS Network Knowledge Sharing Conference held on 26 July 2021. The Association of Southeast Asian Nations (ASEAN) and the East Asia Summit region initiated the Asia CCUS Network as a response to the significant challenges regarding the region's future energy landscape on a low carbon energy transition as well as net-zero emissions; the network is managed by the Economic Research Institute for ASEAN and East Asia (ERIA) as its secretariat.

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2nd Knowledge Sharing Conference

28 July 2021



The US Department of Energy Welcomes and Supports Asia CCUS Network's Objectives

Jakarta/Washington DC, 28 July 2021, The Asia Carbon Capture, Utilisation, and Storage (CCUS) Network has full support from the US Department of Energy as Southeast Asia moves ahead in advancing the deployment of this carbon-neutral technology, CCUS. The 2nd Asia CCUS Network Knowledge Sharing Conference gathered stakeholders in Asia to share updated information on CCUS project development, regulatory framework, and the overall policy landscape under the Biden administration. The Economic Research Institute for ASEAN and East Asia (ERIA) hosted the event in partnership with the US Department of Energy on 28 July 2021. Dr Han Phoumin, Senior Energy Economist at ERIA, kicked off the conference by highlighting the US' expertise in clean technology development that could be beneficial for ASEAN.

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The 4th East Asia Energy Forum

13 September 2021



The 4th East Asia Energy Forum: A Low Carbon Energy Transition in the ASEAN Region

The Fourth East Asia Energy Forum (EAEF) was organised by the Economic Research Institute for ASEAN and East Asia (ERIA), the Energy Research Institute Network (ERIN), and the Ministry of Energy, Brunei Darussalam. EAEF is an annual event held in parallel with the ASEAN Energy Business Forum 2021. Brunei Darussalam co-hosted this year's edition titled 'The 4th East Asia Energy Forum: A Low-Carbon Energy Transition in the ASEAN Region.' The forum acts as a platform bringing together Ministers of Energy of EAS countries, industry experts, and organisations from across East Asia and beyond to address climate change and accelerate Southeast Asia's low-carbon energy transition agenda.

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Three Days CCUS Technical Workshop

5–7 October 2021

The Carbon, Capture, Utilisation and Storage (CCUS) Technical Workshop is organised by the Economic Research Institute for ASEAN and East Asia (ERIA) and the Asia CCUS Network (ACN) to bridge the knowledge gap of CCUS technology and development. The Network strives to contribute to the decarbonisation of emissions in Asia through research, training, and knowledge sharing on CCUS technologies. The event is part of a workshop series that fall under the ACN's capacity building training pillar, encompassing one of three core missions.

The goals of the CCUS technical workshops are as follows.

- Promote knowledge sharing on the latest CCUS technology through lecture sessions.
- Accelerate further consideration of the application of mainstream CCUS technologies to the ASEAN region.
- Exchange ideas and issues about CCUS technology.



Technical Workshop Day 1: Technical Aspect of Carbon Capture Technology



Technical Workshop Day 2: Technical Aspect of Carbon Transportation & Storage Technology



Technical Workshop 3: Utilization of CO2

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3rd Knowledge Sharing Conference

14 October 2021



The Asia CCUS Network and Oil and Gas Climate Initiative on Overcoming CCUS Deployment Challenges

The 3rd Knowledge Sharing Virtual Conference, 14 October 2021, Governments across Southeast Asia are stepping up decarbonisation efforts with Carbon Capture, Utilisation, and Storage (CCUS) technology becoming an increasingly central focus in policymaking. Numerous studies, including from the International Energy Agency, indicate the significant role CCUS innovation has in the path towards carbon neutrality.

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Japan – Asia CCUS Forum, METI (Ministry of Economy, Trade, and Industry)

20 October 2021



Co-hosted by the Global CCS Institute and Japan CCS Co. Ltd., the Japan-Asia CCUS Forum 2021 will be held on the 20th of October. To advance the deployment of CCS/CCUS in Asia and around the world, the Forum will share knowledge on CCS/CCUS technology trends and explore the opportunities and challenges from leading projects in other regions.

[CLICK HERE FOR THE FULL INFORMATION](#)

4th Knowledge Sharing Conference

17 November 2021



European Stakeholders Offer Insights for a Successful CCUS Deployment in Asia

The 4th Knowledge Sharing Virtual Conference, 17 November 2021, Knowledge sharing and international cooperation between ASEAN and European countries will be central to achieving the collective target of net-zero emissions by 2050. Following the 26th Conference of the Parties to the United Nations Framework Convention on Climate Change (COP26), the road to

carbon neutrality will further require the development and deployment of Carbon, Capture, Utilisation, and Storage (CCUS) technologies.

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B. Recommended Links

1. IEA's Report on CCUS in Southeast Asia:

<https://www.iea.org/reports/carbon-capture-utilisation-and-storage-the-opportunity-in-southeast-asia>

2. JOGMEC's New Website 'CLEAN FUTURE

ENERGY': <https://mirai.jogmec.go.jp/en/>

3. National Energy Technology Laboratory

Training Resources:

<https://www.netl.doe.gov/LCA/co2u/Training>

C. Update Registered Members (as of January 2022)

Advisory Members

- Department of Industry, Science, Energy and Resources, Australia
- Ministry of Economy, Trade, and Industry, Japan
- Department of Energy, Philippines
- Ministry of Industry and Trade, Viet Nam
- Ministry of Mines and Energy, Cambodia
- Ministry of Energy and Mines, Lao PDR
- Energy Market Authority, Singapore
- Ministry of Energy and Mineral Resources, Indonesia
- Energy Commission of Malaysia, Malaysia
- Ministry of Energy, Thailand
- Ministry of Science and Technology, India
- Oil and Gas Planning Department, Ministry of Electricity and Energy, Myanmar
- Department of Energy, United States of America

Supporting Members

Academia/ Research Institute (47 members)

- Universitas Indonesia
- PARTIDO STATE UNIVERSITY
- Energy Studies Institute
- Pandit Deendayal Energy University
- Kyushu University
- Environmental Law Centre of Meiji University
- R & D Institute, Hokkaido Electric Power Co., Inc.
- [Read more.](#)

Finance – Banking (9 members)

- KKR
- Sumitomo Mitsui Banking Corporation
- Japan Bank for International Cooperation (JBIC)
- Citigroup Global Markets Japan Inc.
- MUFG Bank, Ltd.
- SPARX Group Co., Ltd.

[Read more.](#)

Private – Public (152 members)

- Toyota Tsusho Corporation
- Eni
- Osaka gas
- Toyota Tsusho Corporation
- IHI Corporation
- IHS Markit
- JOGMEC
- PT. PERTAMINA (PERSERO)

[Read more.](#)

Regional/ International Organizations (18 members)

- International Finance Corporation
- International Association for Hydrogen Energy (IAHE)
- Oil and Gas Climate Initiative (OGCI)
- Clean Energy Ministerial (CEM) CCUS Initiative

[Read more.](#)

D. Upcoming Events

- [ACN Workshop on CCUS Model Case Study](#) organized by Mitsubishi Research Institute, *18 January 2022*



The poster features the ASIA CCUS NETWORK logo at the top center. Below it, the title "ACN Workshop on CCUS Model Case Study" is displayed in a large, bold, black font, followed by the subtitle "Cost Structure of CCUS and the Legal Framework" in a slightly smaller font. A horizontal line separates the title from the event details. On the left side, below the line, it says "Agenda and RSVP are available here: bit.ly/ACNWorkshop" next to a QR code. On the right side, below the line, it says "18 January 2022" and "9 AM to 11 AM (UTC +7)". The background of the poster is white with a faint, geometric pattern of lines.

- [The 5th Knowledge Sharing Conference](#), *28 February 2022 (tentative)*

[CLICK HERE FOR THE EVENT CALENDAR](#)

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