



**SOUTH EAST ASIA CCS ACCELERATOR WORKSHOP (SEACA)**

**Part III: Creating a Transnational Asian CCS Value Chain**

27 - 28 August 2024

Grand Ballroom 1, Renaissance KL Hotel & Convention Centre  
Kuala Lumpur, Malaysia



**We welcome H.E. Mr. Rafizi Ramli, Minister for Economy, Malaysia  
as our Guest of Honor at the 3rd SEACA Workshop in Kuala Lumpur**

**DAY 1: TUESDAY 27 AUGUST 2024**

**Grand Ballroom 1, Renaissance KL Hotel & Convention Centre  
Kuala Lumpur, Malaysia**

SESSION	TIME (MYT)	SPEAKER
<b>WELCOME</b>	<b>9:00 - 9:30</b>	<b>Registration and Networking</b> Check-in, collect your badge, and enjoy tea and coffee while mingling with fellow delegates.
<b>1. OPENING</b>		Presentations from the host country, partners, sponsors, and the event hosts.
	<b>9:30 - 9:40</b>	<b>Part III: Creating a Transnational Asian CCS Value Chain</b> Alex Zapantis, General Manager, External Affairs - Global CCS Institute Welcome remarks and an overview of the day's agenda
	<b>9:40 - 9:50</b>	<b>Malaysian Government - Ministry of Economy</b> YBhg. Dato' Luqman bin Ahmad, Deputy Secretary General (Macro)
	<b>9:50 - 10:00</b>	<b>ASEAN Centre for Energy</b> Beni Suryadi, Deputy Executive Director
	<b>10:00 - 10:10</b>	<b>ERIA (Economic Research Institute for ASEAN and East Asia)</b> Phoumin Han, Senior Energy Economist Southeast Asia Potential for the CCS/CCUS Hub: Opportunities and Challenges
	<b>10:10 - 10:20</b>	<b>ANGEA (Asia Natural Gas &amp; Energy Association)</b> Paul Everingham, CEO CCUS: Policy Enabler for a Regional Value Chain
	<b>10:20 - 10:30</b>	<b>Global CCS Institute</b> Alex Zapantis, General Manager, External Affairs Overview of CCS in SE Asia – Opportunities & Challenges
	<b>10:30 - 10:40</b>	<b>MOU Signing Ceremony: ASEAN &amp; ANGEA</b> <b>Group Photo</b>
	<b>10:30 - 11:00</b>	<b>MORNING TEA</b>

<b>2. OPPORTUNITY FOR AN ASIAN CCS VALUE CHAIN</b>	Issues may include the opportunity for each nation to provide CO <sub>2</sub> storage services or the need to export CO <sub>2</sub> to other nations for storage, a summary of current activities and projects, the key issues that must be successfully addressed from a government perspective to enable the creation of an Asian CCS Value Chain to support the achievement of net zero emission targets, and thoughts on how to address those issues.
	<b>11:00 - 11:10 Australia</b> Naomi Montalto, Assistant Director, Transboundary CCS Section, DCCEEW Australia's Role in Regional Decarbonisation
	<b>11:10 - 11:20 Indonesia</b> Bobby Permanahadi, Senior Oil and Gas Policy Analyst, Ministry of Energy and Mineral Resources of Indonesia The Opportunities on CCS Implementation in Indonesia: Collaborating CCS Ecosystem in South East Asia
	<b>11:20 - 11:30 Malaysia</b> Dr. Noranida Zainal, Director, Environmental and Natural Resources, Ministry of Economy CCUS Policies And Roadmap for Malaysia And Beyond
	<b>11:30 - 11:40 Singapore</b> Cui Xiao Wen, Deputy Director (Carbon Mitigation), Ministry of Trade and Industry Singapore Singapore's Plans for CCS and The Next Steps
	<b>11:40 - 11:50 Thailand</b> Dr. Apiradee Suwannathong, Senior Geologist, Department of Mineral Fuels, Ministry of Energy of Thailand The Current Status of CCS Development in Thailand
	<b>11:50 - 12:00 South Korea</b> Eunsoo Jung, General Manager of Policy & Planning Division, Korea CCUS Association CCUS Policy and Roadmap of Korea
	<b>12:00 - 12:10 Japan</b> Makoto Kunieda, Deputy Director, Advanced CCS Project Division, CCS Project Department, Japan Organization for Metals and Energy Security (JOGMEC) Results of the Second Round of Japan's Financial Support for Commercialization of CCS Projects
	<b>12:10 - 12:20 Timore-Leste</b> Luzerio Teme, CCS Coordinator, CCS Division, The Ministry of Petroleum and Mineral Resources Future Outlook for CCS in Timor-Leste: Vision and Challenges
	<b>12:25 - 12:55 Panel Discussion</b> <i>Moderated by Phoumin Han, Senior Energy Economist, ERIA</i>
<b>13:00 - 14:00 LUNCH</b>	

<b>3. INTERNATIONAL LAW</b>	This session will focus on international law relevant to the transboundary transport of CO <sub>2</sub> for geological storage. Relevant international treaties or laws such as the London Convention will be discussed together with how critical issues such as the long-term liability for stored CO <sub>2</sub> are treated under international law.	
	<b>14:00 - 14:15</b>	<b>Allen &amp; Overy Shearman</b> Scott Neilson, Partner Going Beyond the London Protocol: New G2G and B2B Agreements Underpinning CCS Projects
	<b>14:15 - 14:30</b>	<b>Ashurst</b> Guy Dwyer, Partner Translating International Law Considerations for Transboundary CCS Projects Into Domestic Law: Risks and Opportunities
	<b>14:30 - 14:45</b>	<b>IEAGHG</b> Tim Dixon, General Manager, IEA Greenhouse Gas R&D Programme London Protocol (and IPPC) on Transboundary CCS Projects
	<b>14:45 - 15:00</b>	<b>Panel Discussion</b> <i>Moderated by Ian Havercroft, General Manager, Knowledge &amp; Analysis, Global CCS Institute</i>
<b>15:00 - 15:30 AFTERNOON TEA</b>		
<b>4. BILATERAL AND MULTILATERAL AGREEMENTS</b>	International trade in CO <sub>2</sub> storage services will require government-to-government agreements addressing issues including the regulation of CO <sub>2</sub> storage, transfer of ownership and liability, and how national carbon accounts will be managed. This session will enable project developers to share their perspectives on these agreements, and how they impact projects including for example how they may interact with commercial contracts.	
	<b>15:30 - 15:40</b>	<b>ExxonMobil Corporation</b> Casey Delhotal, Senior Director, International Government Relations, Asia Pacific Recommendation to Policy Makers for Cross-Border CCS Agreements
	<b>15:40 - 15:50</b>	<b>Santos Ltd</b> Matthew Sherwell, Senior Manager Regulatory & Market Development Agreement or Arrangement - Options to Meet the Provisional Application of Article 6 Amendment
	<b>15:50 - 16:00</b>	<b>Shell</b> Sue-Ern Tan; Head Policy and Advocacy Asia Pacific Bilateral Agreements – Lynchpin for an APAC CCS Value Chain
	<b>16:00 - 16:10</b>	<b>Air Liquide</b> Floris Mackor, Large Industries VP Strategy CCS and Ammonia Challenges & Achievements of Cross-Border Agreements
	<b>16:10 - 16:20</b>	<b>Mitsui O.S.K. Lines, Ltd. (MOL)</b> Sony Rajan, General Manager, CCUS Business Development Team MOL's Initiatives for Cross-Border CO <sub>2</sub> Transportation and CCUS
	<b>16:20 - 16:30</b>	<b>Petronas</b> Lou Khee Fang, Head, CCS Project Management Solution For Local And Regional Decarbonization
	<b>16:30 - 17:00</b>	<b>Panel Discussion</b> <i>Moderated by Alex Zapantis, General Manager, External Affairs, Global CCS Institute</i>
<b>GALA DINNER</b>	<b>19.30 - 21:30</b>	Grand Ballroom Renaissance KL Hotel & Convention Centre <i>An opportunity to network with fellow delegates in a relaxed setting.</i> <b>Dress Code: Traditional or Smart Casual</b>

DAY 2: WEDNESDAY 28 AUGUST 2024		Grand Ballroom 1, Renaissance KL Hotel & Convention Centre Kuala Lumpur, Malaysia
SESSION	TIME (MYT)	SPEAKER
<b>DAY 2 COMMENCES</b>	<b>8:30 - 9:00</b>	<b>Registration and Networking</b> Check-in, collect your badge, and enjoy tea and coffee while mingling with fellow delegates.
<b>5. CARBON ACCREDITATION FOR CCS PROJECTS</b>		The recognition and monetisation of abatement from any activity, including CCS require rigorous, transparent, and verifiable methods to calculate abatement delivered. This session will focus on methods and carbon accounting requirements relevant to an international Asian CO <sub>2</sub> storage value chain, including the creation and ownership of carbon credits.
	<b>9:00 - 9:20</b>	<b>IETA</b> Takashi Hongo, Senior Fellow, Mitsui & Co. Global Strategic Studies Institute, and Co-Chair of Japan WG, IETA Accounting and Sustainability for Monetization of CCS
	<b>9:20 - 9:40</b>	<b>Mitsubishi Research Institute, Inc (MRI)</b> Tetsuya Nomoto, Senior Researcher Positioning Carbon Capture Storage (CCS) in Carbon Pricing to Decarbonise in ASEAN
	<b>9:40 - 10:00</b>	<b>ExxonMobil Corporation</b> Casey Delhotal, Senior Director, International Government Relations, Asia Pacific Pathways to Credits for Cross Border CCS
	<b>10:00 - 10:30</b>	<b>Panel Discussion</b> <i>Moderated by Hanh Le, Advisor, ANGEA</i>
	<b>10:30 - 11:00</b>	<b>MORNING TEA</b>
<b>6. TECHNICAL, OPERATIONAL &amp; INFRASTRUCTURE REQUIREMENTS</b>		The transport and subsequent storage of CO <sub>2</sub> requires significant infrastructure that must be designed and operated to ensure safety and efficiency. Further, the CO <sub>2</sub> itself will need to meet certain requirements. This session will explore these requirements including how common standards could be applied to support an Asian CCS Value Chain.
	<b>11:00 - 11:15</b>	<b>BP Asia Pacific</b> Zulfikri Agus, Performance Manager Tangguh CCUS: An Indonesian National Strategic Project
	<b>11:15 - 11:30</b>	<b>Kawasaki Kisen Kaisha, Ltd. (K-LINE)</b> Jun Sasaki, General Manager, Carbon Solution Business Group "K"LINE's Initiatives on LCO <sub>2</sub> Transportation for CCS
	<b>11:30 - 11:45</b>	<b>Shell</b> Afiq Rahmat, Energy Transition Manager, Malaysia Towards an Inter-Operable CCS Value Chain in Asia
	<b>11:45 - 12:00</b>	<b>Mitsubishi Heavy Industries (MHI)</b> Taichi Tanaka, Engineering Manager MHI's Efforts to Develop Effective and Economic CO <sub>2</sub> -Value Chain
	<b>12:00 - 12:15</b>	<b>Chevron</b> David Fallon, General Manager CO <sub>2</sub> Specification for CCS Storage
	<b>12:15 - 12:30</b>	<b>Petronas</b> Christopher K Singham, Head of Carbon Capture Technologies Advancing Malaysia's Decarbonisation: Integrating Carbon Capture Technology, Utilisation & Storage
	<b>12:30 - 13:00</b>	<b>Panel Discussion</b> <i>Moderated by Alex Zapantis, General Manager, External Affairs, Global CCS Institute</i>
	<b>12:45- 13:45</b>	<b>LUNCH</b>
<b>7. INTERNATIONAL SUPPORT AND INVESTMENT</b>		International collaboration and investment in CCS in Asia will be essential to support the creation of a CCS Value Chain in the region. Speakers in this session will describe the relevant activities of their organisations for support, financing, and investment in CCS in South East Asia.
	<b>13:45 - 14:00</b>	<b>The World Bank Assistance</b> Dr. Harshit Agrawal, Senior Energy Specialist, The World Bank
	<b>14:00 - 14:15</b>	<b>Asian Development Bank Program</b> Atsumasa Sakai, Senior Energy Specialist, Asian Development Bank (ADB) ADB's Support to Hard-to-Abate Sectors
	<b>14:15 - 14:30</b>	<b>Japanese Initiative</b> Kazuki Kobayashi, Researcher, Planning Division, CCS Project Department, Japan Organization for Metals and Energy Security (JOGMEC) Transborder CCS and Joint Crediting Mechanism (JCM)
	<b>14:30 - 15:00</b>	<b>Panel Discussion</b> <i>Moderated by Matt Steyn, Public Affairs Manager APAC, Global CCS Institute</i>
<b>WORKSHOP CONCLUDES</b>	<b>15:00 - 15:15</b>	<b>Closing Remarks</b> Alex Zapantis, General Manager, External Affairs - Global CCS Institute