METI, JOGMEC, IETA Joint Online Workshop
Global Carbon Markets and CCS : Towards ASEAN Decarbonization

Wednesday 25th and Thursday 26th, January 2023
Supported by Asia CCUS Network

As of December 12th, 2022
In April 2021, Japan Organization for Metals and Energy Security (JOGMEC) formulated the "Carbon Neutral Initiative" which sets forth policies for strengthening Japan's energy security and addresses climate change. JOGMEC has launched various projects with the aim of ensuring energy security and contributing to a decarbonized society. In particular, JOGMEC positions carbon capture and storage (CCS) as a technology that will contribute to the stable supply of energy resources and the realization of carbon neutrality by 2050. The organization intends to accelerate its efforts to support domestic and international CCS projects promoted by Japanese companies and strengthen international collaboration with particular focus on ASEAN.

In order to facilitate CCS project development and contribute to decarbonization of both Japan and its partner countries, including ASEAN, it is necessary to foster common understanding on the potential of CCS in climate change mitigation as well as issues such as emission reductions accounting methodologies and risk management. To that end, it is important to learn from precedents and participate in international discussions. Additionally, knowledge sharing on good practices in using the carbon market will be key in working towards creating high quality carbon credits including evaluation of co-benefits other than mitigation impact.

As part of these efforts, JOGMEC, in collaboration with the Ministry of Economy, Trade and Industry (METI) and International Emissions Trading Association (IETA), will hold a joint workshop on the topic of carbon crediting and creation of environmental value by CCS with the aim to facilitate CCS deployment through the appropriate use of carbon markets and contributing to the decarbonization of ASEAN.

Objectives

- Awareness raising on climate mitigation potential of CCS activities
- Knowledge sharing on the latest trends in carbon market and generating carbon credits from CCS
- Knowledge sharing on current discussion on CCS-related guidance in Article 6 activities of Paris Agreement and methodological development by private initiative
- Reaching common understanding on issues such as accounting methodologies and risk management.
- Knowledge sharing on good practices on co-benefits
Overview

- Date and Time: (Day 1) 25 January 2023 (Wed.) 14:00~16:45 (JST)
  (Day 2) 26 January 2023 (Thur.) 14:00~16:45 (JST)
- Supported by: Asia CCUS Network
- Language: Japanese and English (simultaneous interpretation)
- Target audience: Private sector companies with an interest in securing environmental benefits such as carbon credits through CCS activities.
  ➢ Day 1: For those interested in CCS carbon credits
  ➢ Day 2: For companies involved in CCS business
- Presenters: Global leaders in the fields of carbon market and/or CC

* Secretariat: Mitsubishi Research Institute*
### Day 1: Overview of carbon market and CCS carbon credits

<table>
<thead>
<tr>
<th>Time (JST)</th>
<th>Presenters and Presentation topics</th>
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<tbody>
<tr>
<td><strong>1. Opening remarks and Keynote Presentation</strong></td>
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<tr>
<td>14:00~14:10 (10 min.)</td>
<td>Representative of METI (to be confirmed)</td>
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| 14:10~14:30 (20 min) Including 5 min. Q&A | Dr Koji Yamamoto Vice President, Energy Business Unit, JOGMEC  
- Comprehensive support for CCS (including introductions to CCS / GHG and CI guidelines, etc.) |
| 14:30~15:00 (30 min) Including 5 min. Q&A | Dirk Forrister CEO, IETA  
- Overall trends in the credit markets  
- Introduction of High-level Criteria |
| **2. Presentation** |
| 15:00~15:30 (30 min) Including 5 min. Q&A | Kikuko Shinchi, Senior Researcher, Mitsubishi Research Institute (MRI)  
- Overview of carbon markets  
- CCS credit schemes around the world: AEOS (Alberta), ERF (Australia), ACR / LCFS (USA), etc. |
| 15:30~16:00 (30 min) Including 5 min. Q&A | Noora Al Amer, Senior International Climate Change Policy Advisor, Global CCS Institute (GCCSI)  
- Landscape and potential impact of Article 6 on CCS sector  
- Position of CCS in Credit market trends: Issues and expected measures towards CCS credits |
| 16:00~16:30 (30 min) Including 5 min. Q&A | Kensuke Shiomi, Global Environmental Affairs Office, Environmental Policy Division, Industrial Science and Technology Policy and Environment Bureau, METI  
- Status of CCS in JCM  
- Introduction of JCM feasibility studies |
| **3. Session Summary** |
| 16:30~16:45 (15 min.) | Masumi Takanashi, Project Director, Global Coordination Division, Hydrogen and CCS Project Department, JOGMEC |
### Day 2: CCS-related methodologies, project cycle, finance

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<tr>
<th>Time (JST)</th>
<th>Presenters and Presentation themes</th>
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<tr>
<td><strong>1. Introduction for Day 2</strong></td>
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| 14:00~14:05 (5 min.) | Dr Sakura Nishioka Deputy Director, Global Coordination Division, Hydrogen and CCS Project Department, JOGMEC  
· Overview of Day 2 discussion |
| **2. Presentation** |
| 14:05~14:25 (20 min.) | Perspectives Climate Group Speaker to be confirmed  
· How carbon credit increases the economy of CCS project |
| 14:25~14:45 (20 min.) | American Carbon Registry  
CEO Mary Grady or Director of Engineered Solutions Maris Densmore  
· ACR's CCS Methodologies and its updates |
| 14:45~15:15 (30 min.) | VERRA  
Manager, Energy Innovation, Gerald Ouellette  
· VCS Basic Requirements (Standard, Methodology, requirements, Nonpermanent risk tool, etc.) |
| 15:15~16:00 (45 min.) | CCS+ initiative Speaker to be confirmed  
· CCS+ initiative's methodologies under development |
| 16:00~16:20 (20 min.) | Northern Lights JV, Senior business development advisor, Elise Roc  
· Introduction of financing case of Northern Lights project |
| 16:20~16:40 (20 min.) | South Pole, Co-Founder/Managing Director Japan, Patrick Burgi  
· Possibility of crediting/offsetting through CCS  
· Prospects for CCS in carbon markets |
| **3. Session Summary** |
| 16:40~16:45 (5 min.) | Dr Sakura Nishioka Deputy Director, Global Coordination Division, Hydrogen and CCS Project Department, JOGMEC |
## Invitations list

<table>
<thead>
<tr>
<th>Send to</th>
<th>Sender</th>
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<tbody>
<tr>
<td>Companies interested in JCM</td>
<td>MRI</td>
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<td>Companies interested in ASEAN (companies participating in the Cleaner Energy Future Initiative for ASEAN, etc.)</td>
<td>MRI</td>
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<tr>
<td>Business associations for Oil&amp;Gas E&amp;P</td>
<td>JOGMEC</td>
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<td>Hydrogen Value Chain Council</td>
<td>JOGMEC</td>
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<td>CouncilClean Fuels Ammonia Association</td>
<td>JOGMEC</td>
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<td>J-COAL</td>
<td>JOGMEC</td>
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<td>ASEAN Center for Energy (ACE), Asian Development Bank (ADB), Institut Teknologi Bandung (ITB), National University of Singapore (NUS)</td>
<td>MRI</td>
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<td>Global CCS Institute (Japan Office &amp; Melbourne HQ)</td>
<td>JOGMEC</td>
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<tr>
<td>Asia CCUS Network members</td>
<td>Asia CCUS Network</td>
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<td>CCS+ Initiative members</td>
<td>JOGMEC</td>
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<tr>
<td>JOGMEC newsletter subscribers (Approx.3,500)</td>
<td>JOGMEC</td>
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<tr>
<td>Others (PR from JOGMEC overseas offices, etc.)</td>
<td>JOGMEC</td>
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Website Open: Friday December 16th  ※Speakers and presentation titles to be updated
Registration Open: Friday December 16th
Dry run: Will be conducted on the same day of workshop

Publish news release: Friday, January 27th
Publish outcome report: February 2023