

## CCS テクニカルワークショップ 2025

### 先進的CCS支援事業 (CCS事業化に向けての取り組み)

## JOGMEC's Initiative toward CCS Business Development

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**Japan Organization for Metals and Energy Security**

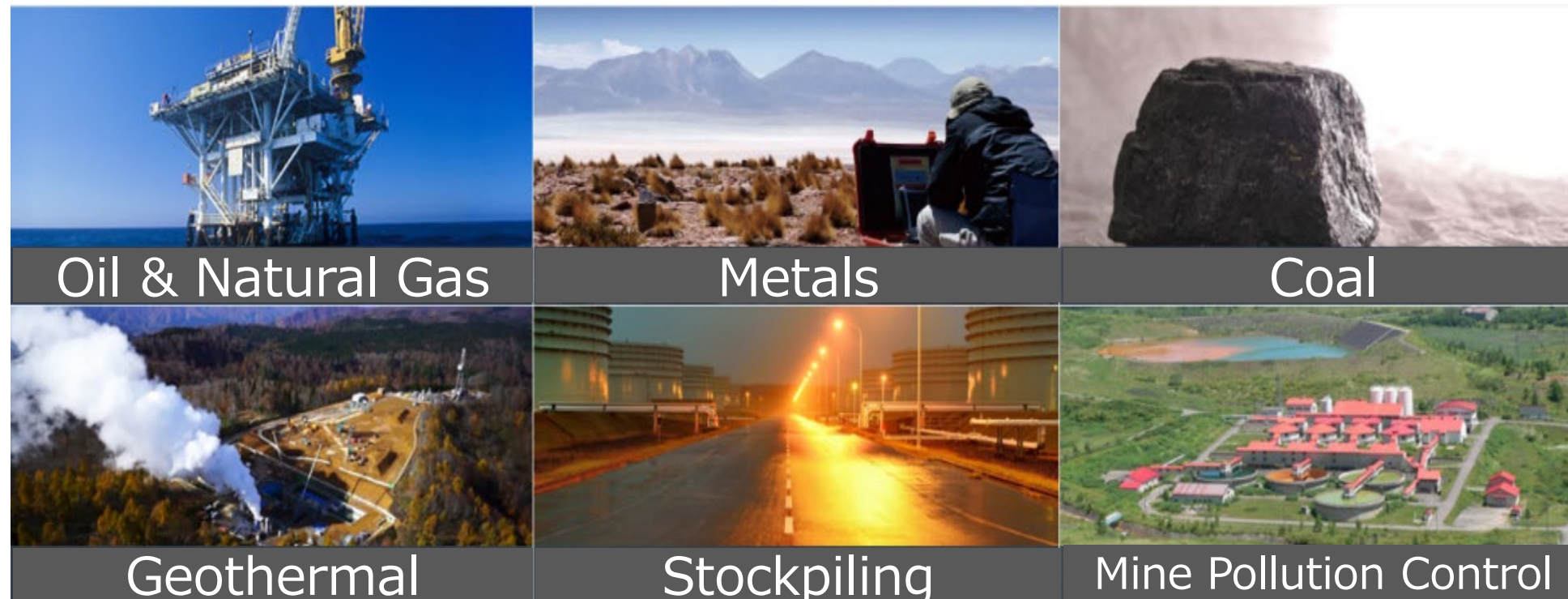
29 January, 2025

# JOGMEC's mission and technical expertise



## JOGMEC (Japan Organization for Metals and Energy Security)

**Mission** Securing **stable and affordable supply** of natural resources for Japan



## Area of Services

### Financial Support

- Equity Finance
- Liability Guarantee
- Grant
- Subsidy, etc.

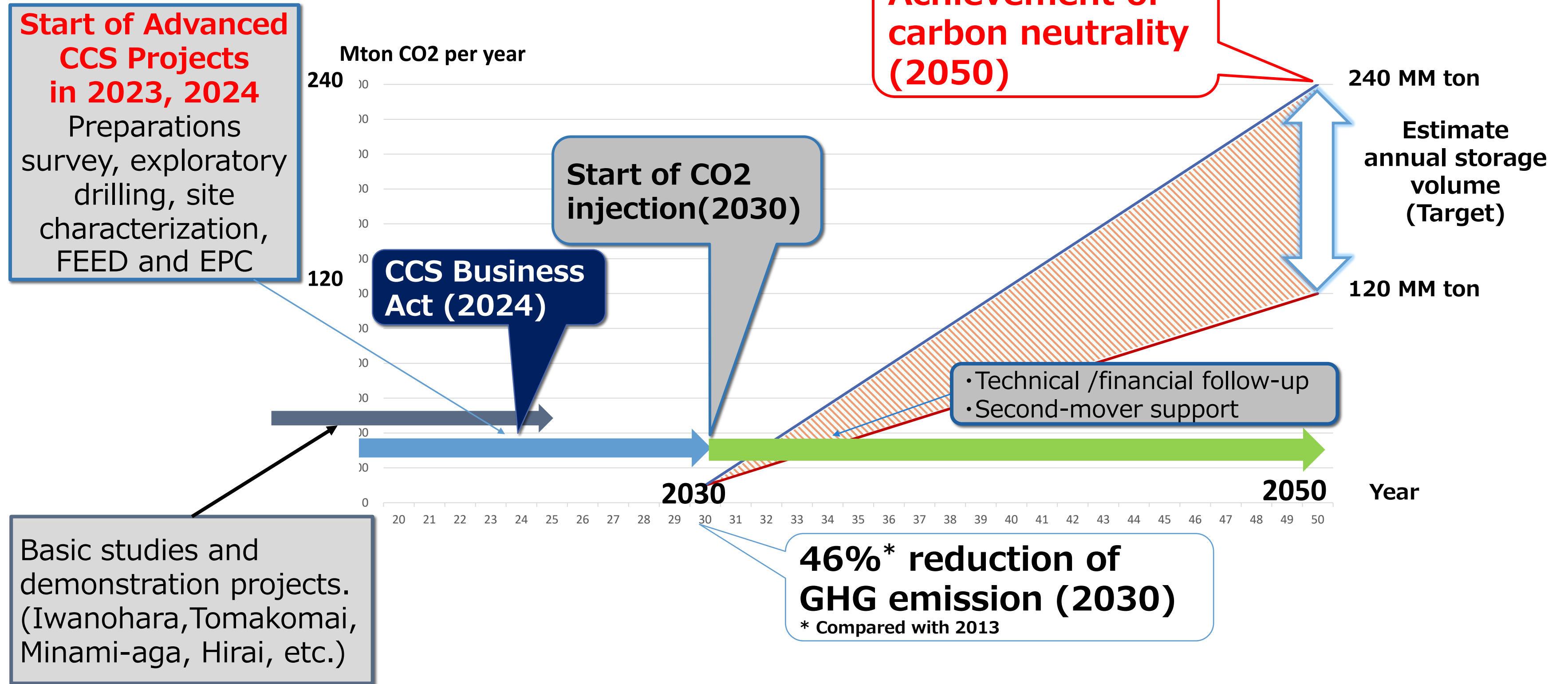
### Technology Support

- Geological Survey
- Technology Development
- Marine Resources Development
- Environmental Safety, etc.

### Intelligence Support

- Resource Diplomacy
- International Cooperation
- Information Analysis, etc.

# CCS for 2050 Carbon Neutrality in Japan



Based on METI: May 27, 2022 [20220527\\_2.pdf \(meti.go.jp\)](https://www.meti.go.jp/press/20220527/20220527_2.pdf)

# JOGMEC's support for CCS value chain projects



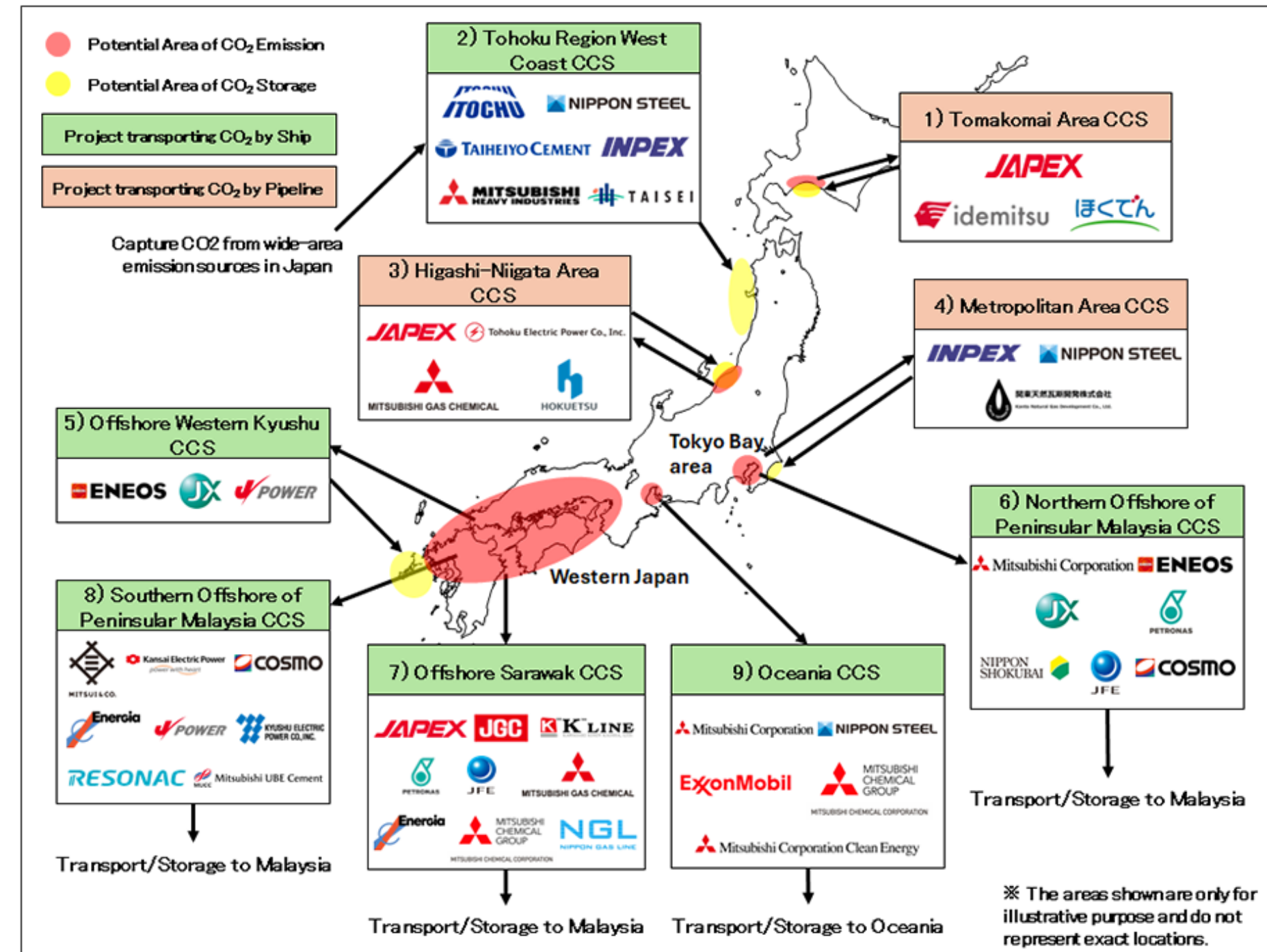
## “Japanese Advanced CCS Projects”

- New supporting scheme started in 2023.
- The goal is to inject 6-12 Mtpa of CO2 by 2030.
- JOGMEC selected 9 role model projects for 2024.  
→9 projects store **20 Mtpa** of CO2 in total



## Contribute to Japan's Carbon Neutrality Goals

- Achieve net zero emissions by 2050
- Reduce emissions by 46% compared to 2013 by FY2030



Location of 9 Japanese Advanced CCS Projects and companies, The 9 projects plan to store approximately **20 million tons of CO2 per year**

# Discussions on LCO2 Ship Transportation in CCS Value Chain



## 【Background】

- Ship transportation is adopted to 6 out of 9 Advanced CCS projects.
- Cost reduction in entire CCS value chain is necessary for CCS business implementation

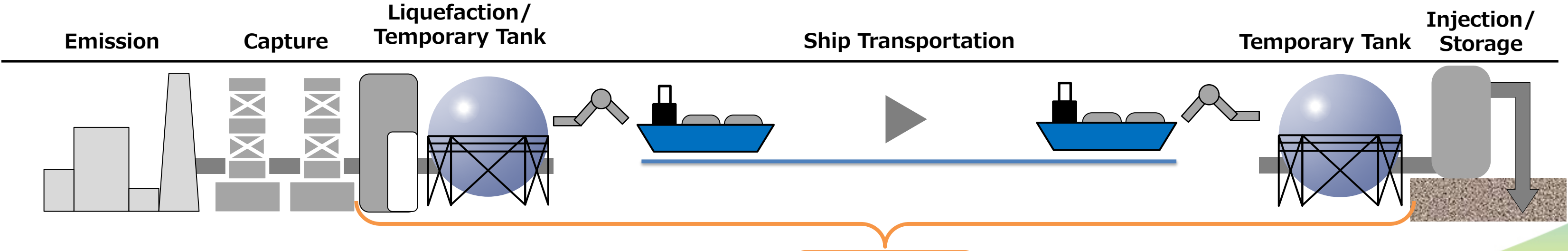
## 【Objectives】

- To establish economical and efficient supply chain for Advanced CCS projects
- To obtain common understanding various specifications for ship transportation and related facilities in receiving terminal

### JOGMEC's role:

- Organizing discussion on various specifications for LCO2 ship transportation
- To develop initial guidance for LCO2 ship transportation by the end of FY2024

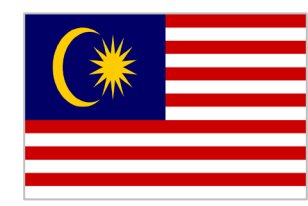
### Ship LCO2 transportation flow



# JOGMEC's Activities on Cross-border CO2 Transportation in Asia-Pacific



## MOC on cross border CO2 transportation [Sep.2023]



PETRONAS  
(MALAYSIA)



## MOC on CCS partnership (including cross border CO2 transportation) [Aug.2024]

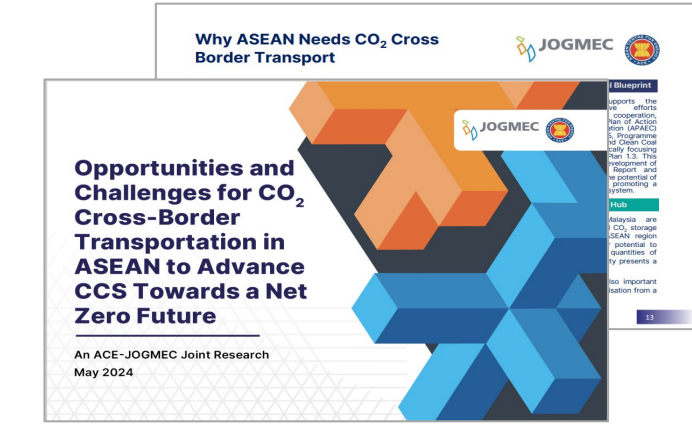


THE MINISTRY OF TRADE AND  
INDUSTRY OF THE REPUBLIC  
(SINGAPORE)



## Collaboration with ACE (ASEAN Center for Energy)

Joint report on cross-border CO2 transportation [May 2024]



[https://www.jogmec.go.jp/english/news/release/news\\_10\\_00067.html](https://www.jogmec.go.jp/english/news/release/news_10_00067.html)

## METI/JOGMEC/Asia CCUS Network's International Workshop on CO2 Cross-border Transport and Storage in the Asia-Pacific Region

[Feb.2024]



Workshop Handbook will be available within 2024 !



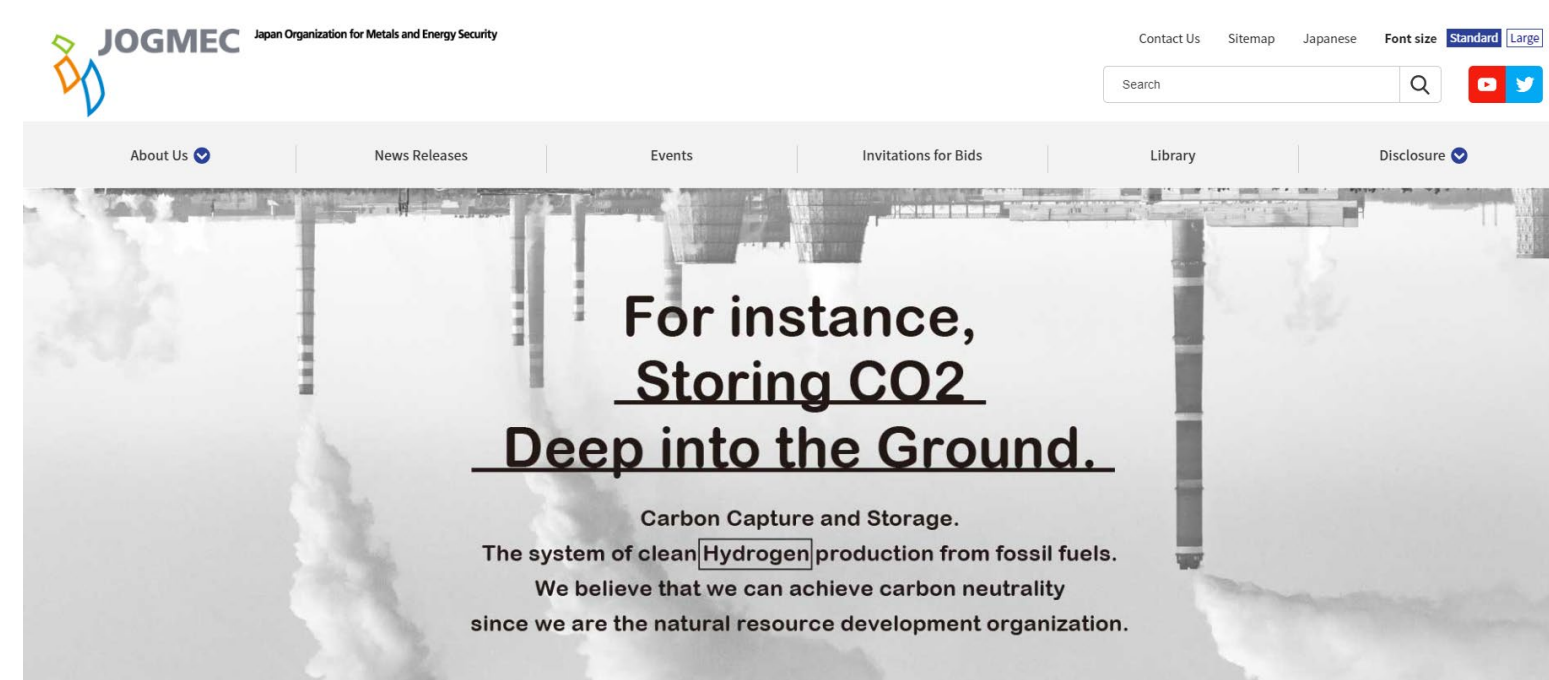
[https://www.jogmec.go.jp/english/news/release/news\\_08\\_00014.html](https://www.jogmec.go.jp/english/news/release/news_08_00014.html)

**AZEC: Asia Zero Emission Community**  
**ACN: Asia CCUS Network**

Thank you!  
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<https://www.jogmec.go.jp/english/index.html>