

Who is JOGMEC?



Japan Organization for Metals and Energy Security

Mission As agency of Japanese government (METI)
Secure the **stable supply** of Natural Resources for Japan

New Area



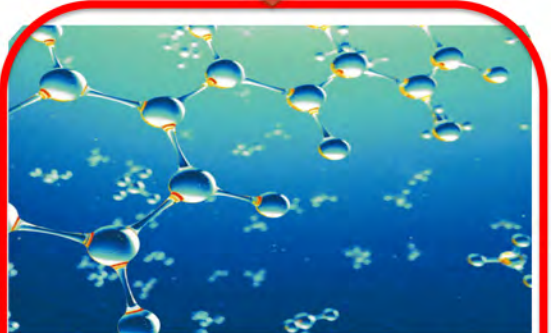
Oil & Natural Gas



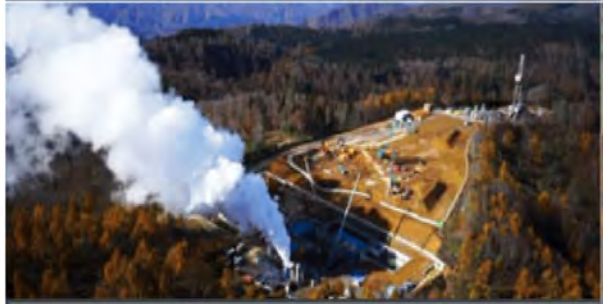
Metals



Coal



Hydrogen/Ammonia



Geothermal



Stockpiling



Mine Pollution Control

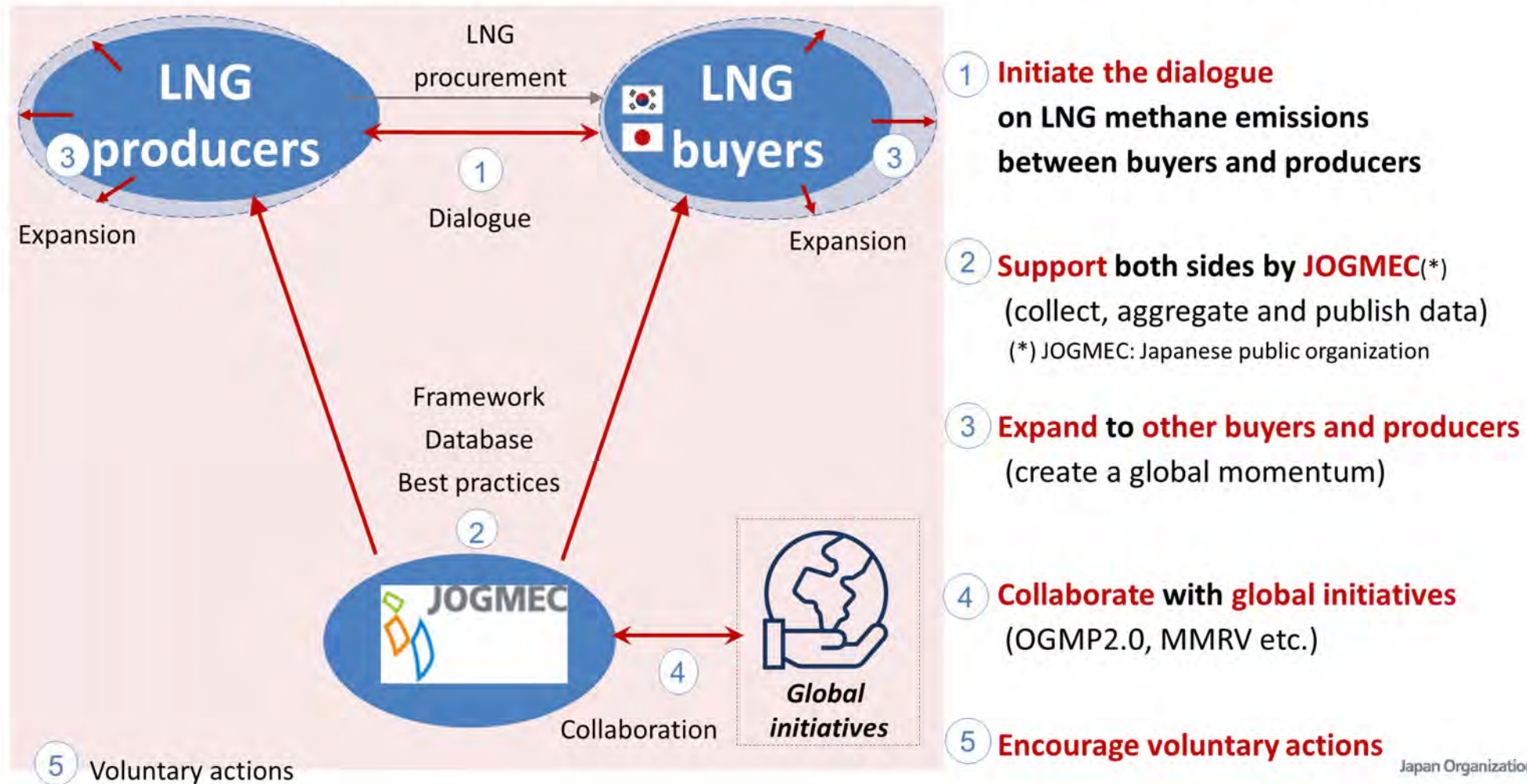


CCS

- Financial support: Support risk money with taking equity capital and liability guarantee.
- Technical support: Joint technical study for challenging issue at the operation field/site.

Overview - CLEAN (Coalition for LNG Emission Abatement toward Net-zero)

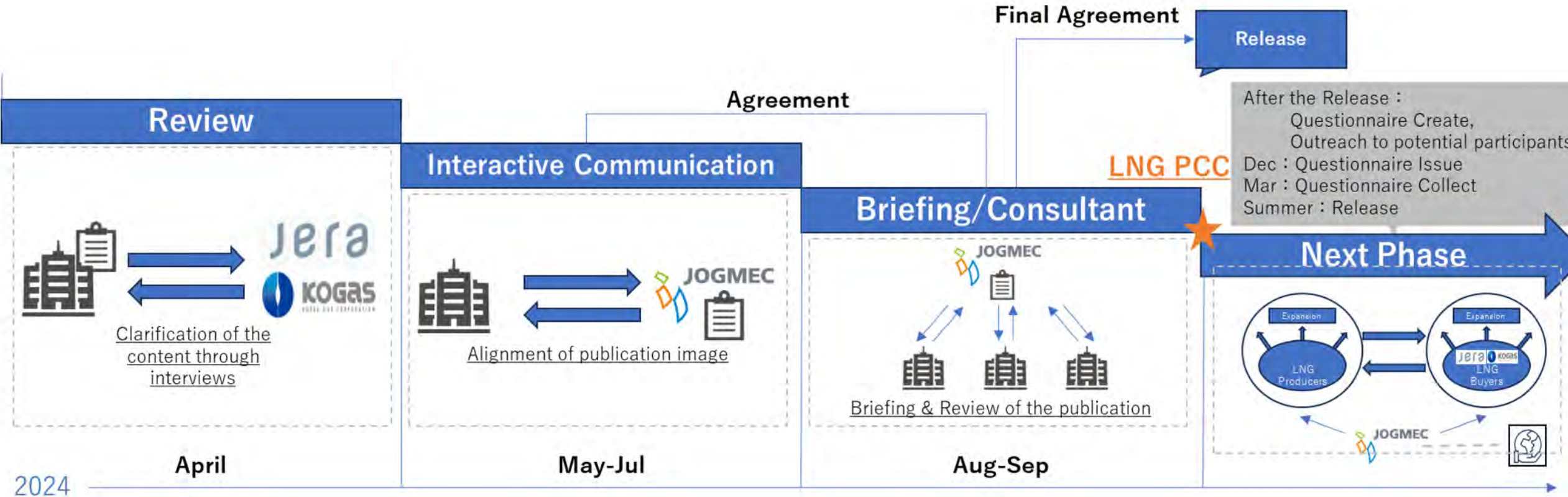
- LNG buyers in Korea and Japan can lead the dialogue on LNG methane emissions with LNG producers to reduce emissions across the LNG value chain.
- The governments of Japan and Korea will also support this Initiative.
- Best practices obtained through CLEAN will be presents on JOGMEC website at 2024





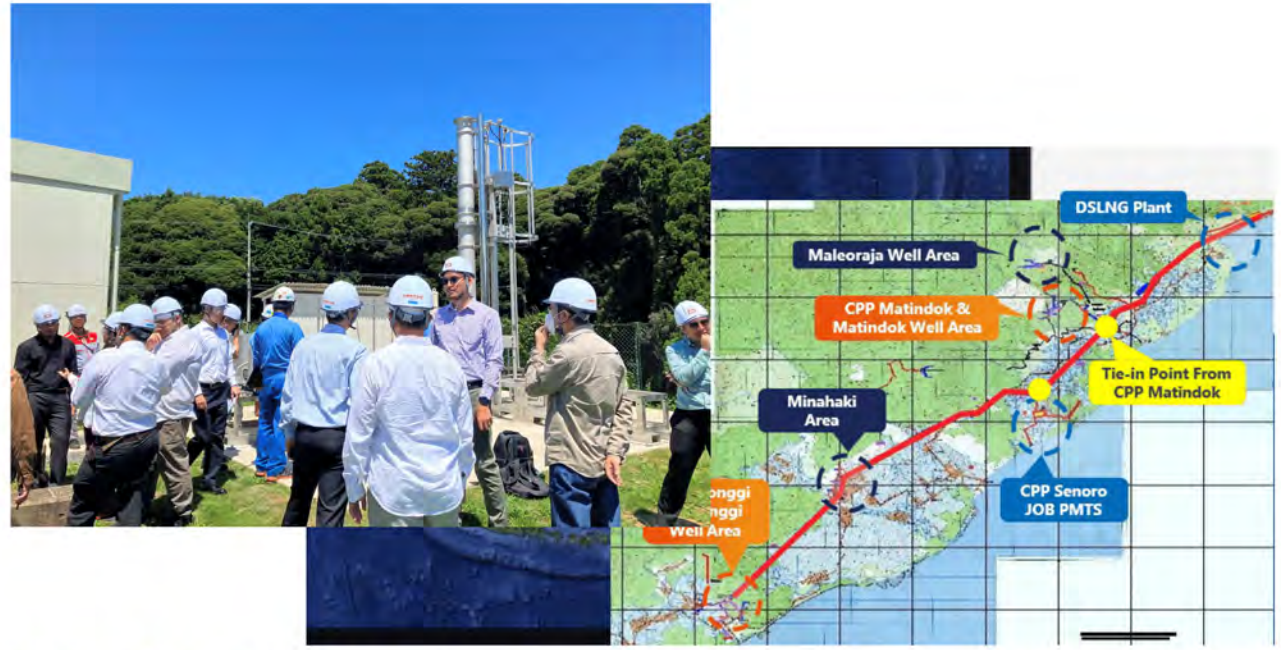
Schedule 2024 - CLEAN (Coalition for LNG Emission Abatement toward Net-zero)

- Discussions with suppliers supplying gas to JERA and KOGAS to be focused publication
- We look for other collaborators who can contribute to CLEAN
- CLEAN results share during LNG Producer and Consumer conference at JAPAN



Methane emission Management project at ASEAN

- JOGMEC work with Malaysia NOC, PETRONAS, and Indonesia NOC, PERTAMINA, for implementation methane emission reduction and management project at operation facilities send natural gas to JAPAN.
- PETRONAS Project is for Methane reduction study and Methane Measurement campaign at Offshore facilities.
- PERTAMINA Project is for Methane reduction study and CI calculation including Methane Measurement at Upstream and Midstream



[PERTAMINA and JOGMEC visit the Methane Emissions Measurement Technology Evaluation Facility at JGC Holdings' Research & Development Center | News Releases 2023 | JGC HOLDINGS CORPORATION](#)

Methane Measurement Technology

Control release facilities

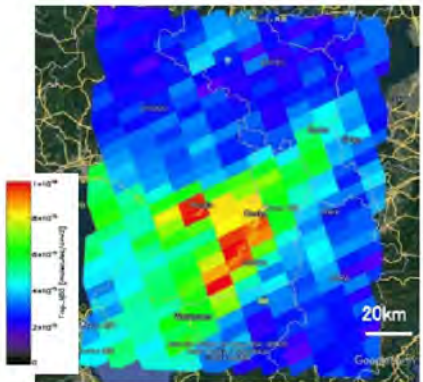
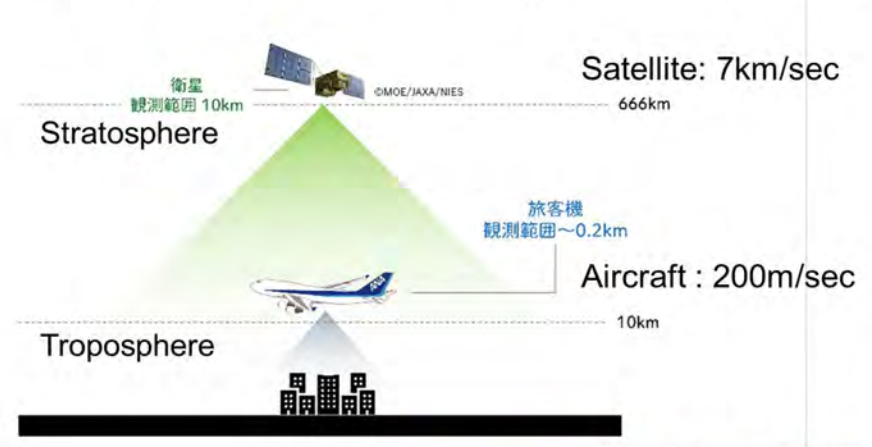
- Measurement technology has certain uncertainty
- Combining measurement technologies(Top down and Bottom up) for the characteristics of the facility and emission source
- Control Release facilities are necessary in the development /verification of existing and new measurement technology



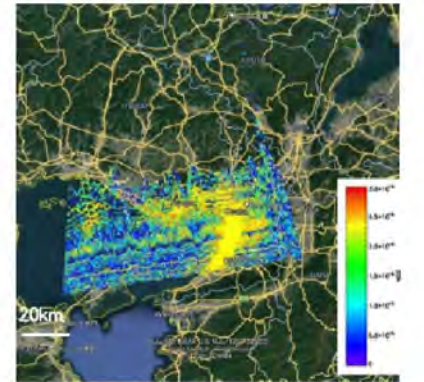
Control release Facility in JGC R&D Center at JAPAN

GHG monitoring -Aircraft

- JOGMEC support ANA/JAXA conduct Methane Measurement project from regular flight at JAPAN.
- JAXA has plenty knowledge through observation from Satellite, GO-SAT.
- Data acquisition and analysis is ongoing. And Study will be started implementation plan at Regular flight.



NO2 by Satellite



NO2 by regular flight

Collaboration Global initiative

ASEAN Methane Leadership Program(MLP)

- Launch of ASEAN Energy Sector Methane Leadership Program at Energy Asia in Kuala Lumpur on June 2023
- The MLP partners constitute several stakeholders with common goals; ASEAN Centre of Energy (ACE), ASEAN Council on Petroleum (ASCOPE), Environmental Defense Fund (EDF), Methane Guiding Principles (MGP), PERTAMINA, PETRONAS, PTTEP, The World Bank, United Nations Environment Programme International Methane Emissions Observatory (UNEP IMEO), United States Agency for International Development (USAID), United States Department of Energy(DOE) and United States Trade and Development Agency (USTDA) and JOGMEC.



JOGMEC -EDF Methane Emission management workshop

- Invited Rahm Emanuel, US Ambassador to Japan, Sadamitsu, General Director, METI in person and Brad Crabtree, Assistant Secretary U.S. DOE (Online) and EU DG Energy (Online) discussed Methane reduction topics.



Japan Organization for Metals and Energy Security



USAID Asia @USAIDAsia

Reducing methane emissions is a critical step in safeguarding our planet's future, preserving ecosystems and sustaining healthier generations to come. The @USAID Southeast Asia Smart Power Program (#SPP) empowers companies and communities with clean, reliable energy solutions.



USAID Bureau for Asia and 4 others

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