

JOGMEC's Support for Realization of Fuel Ammonia Value Chain

Japan Organization for Metals and Energy Security

Satoshi ASAWA, Executive Vice President, Energy Business Unit 2023.09.29

Who is JOGMEC?

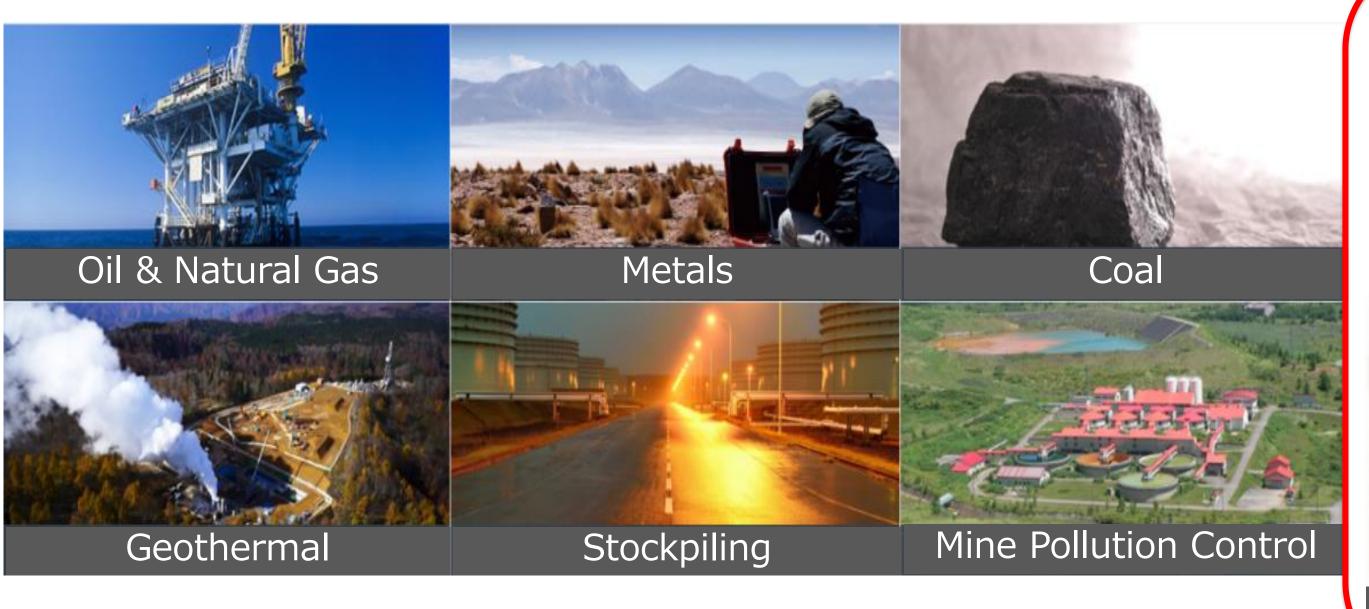


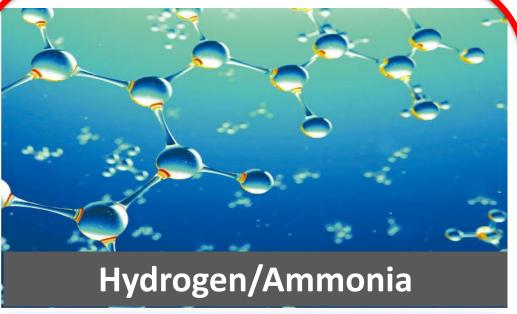
<u>Japan Organization for Metals and Energy Security</u>

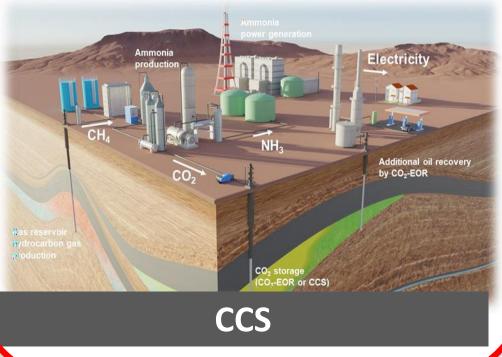
Mission As agency of Japanese government (METI)

Secure the stable supply of Natural Resources for Japan

New Area

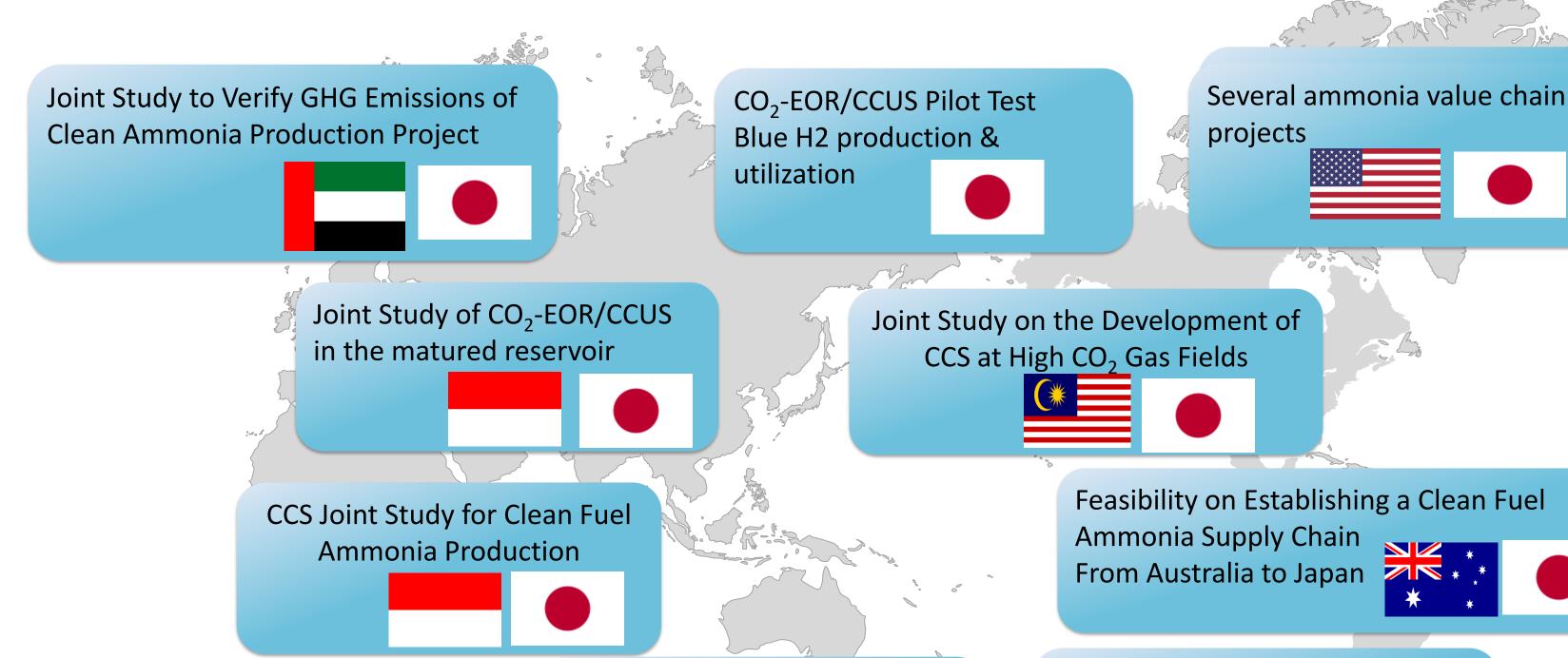






JOGMEC Project





Ammonia

Feasibility on CCS for Creation of

a Supply Chain of Low Carbon

CarbonNet
(FEED for CCS Hub Network)

Global Coordination and Diplomacy















Japan Organization for Metals and Energy Security

Carbon Intensity for Fuel Ammonia

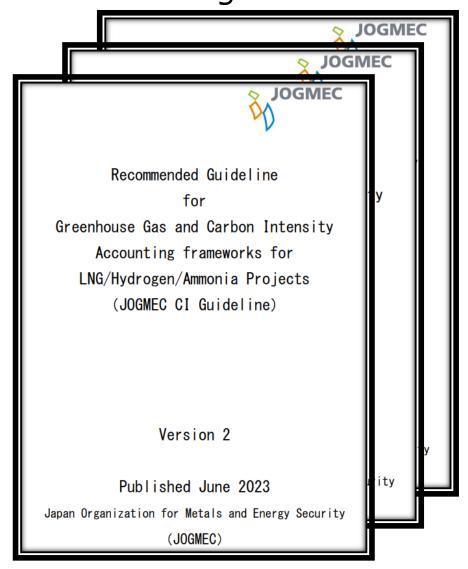




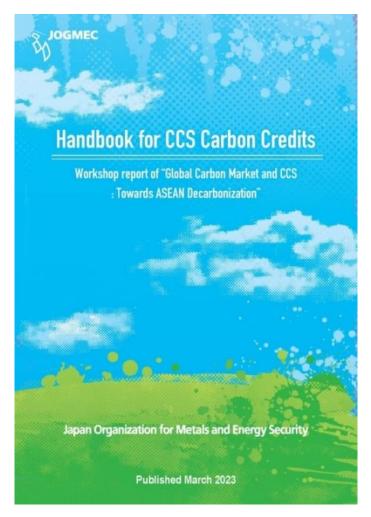
 Carbon Intensity is index to evaluate environment value for fuel ammonia which has numerous pathways to produce Ammonia from various primary energies.

Published Guidelines

CI Guideline CCS guideline CO2-EOR guideline



CCS Carbon Credit Handbook



CI calculation at operation Ammonia Plant

Calculated GHG emissions per ton of ammonia to calculate CI values for ammonia products

✓ Country: Indonesia

✓ **Plant Type**: Ammonia Production Plant

✓ Approach: Calculation and Direct Measurement



