

JOGMEC's latest activities and organizational change for accelerating Carbon Capture and Storage deployment

Sakura Nishioka, Ph.D. Hydrogen and CCS Project Department

Japan Organization for Metals and Energy Security

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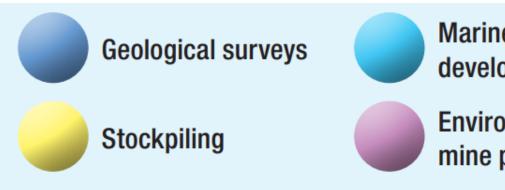
1. About us – New task under amended law (November 2022)

Japan Oil, Gas and Metals National Corporation (JOGMEC) \succ

Japan Organization For Metals and Energy Security (JOGMEC)

Aim to secure the stable supply of energy and natural resources for Japan and to realize carbon neutrality through CCS, supply of low/zero carbon fuels including hydrogen, ammonia, geothermal energy and wind power.









2. CCS activities -1

R&D

- Site screening and site selection
- Site characterization
- Evaluation of well integrity
- Modelling and simulation
- Monitoring and model calibration
- DDR membrane
- JAPAN-GTL...and more.

Business environment analysis

Analyze and share the trend and updated information on following topics with stakeholders; CCS related policies, each country/region's licensing, certification and incentive scheme, carbon market, climate policies...and more.

- Recommended guideline for the implementation of Carbon dioxide Capture and Storage projects Ver.1 (JOGMEC CCS guideline)
- Recommended guideline for calculating GHG emission • from LNG/Hydrogen/Ammonia production facilities Ver.1 (JOGMEC GHG/CI guideline) *Updated version is expected to be published next spring !

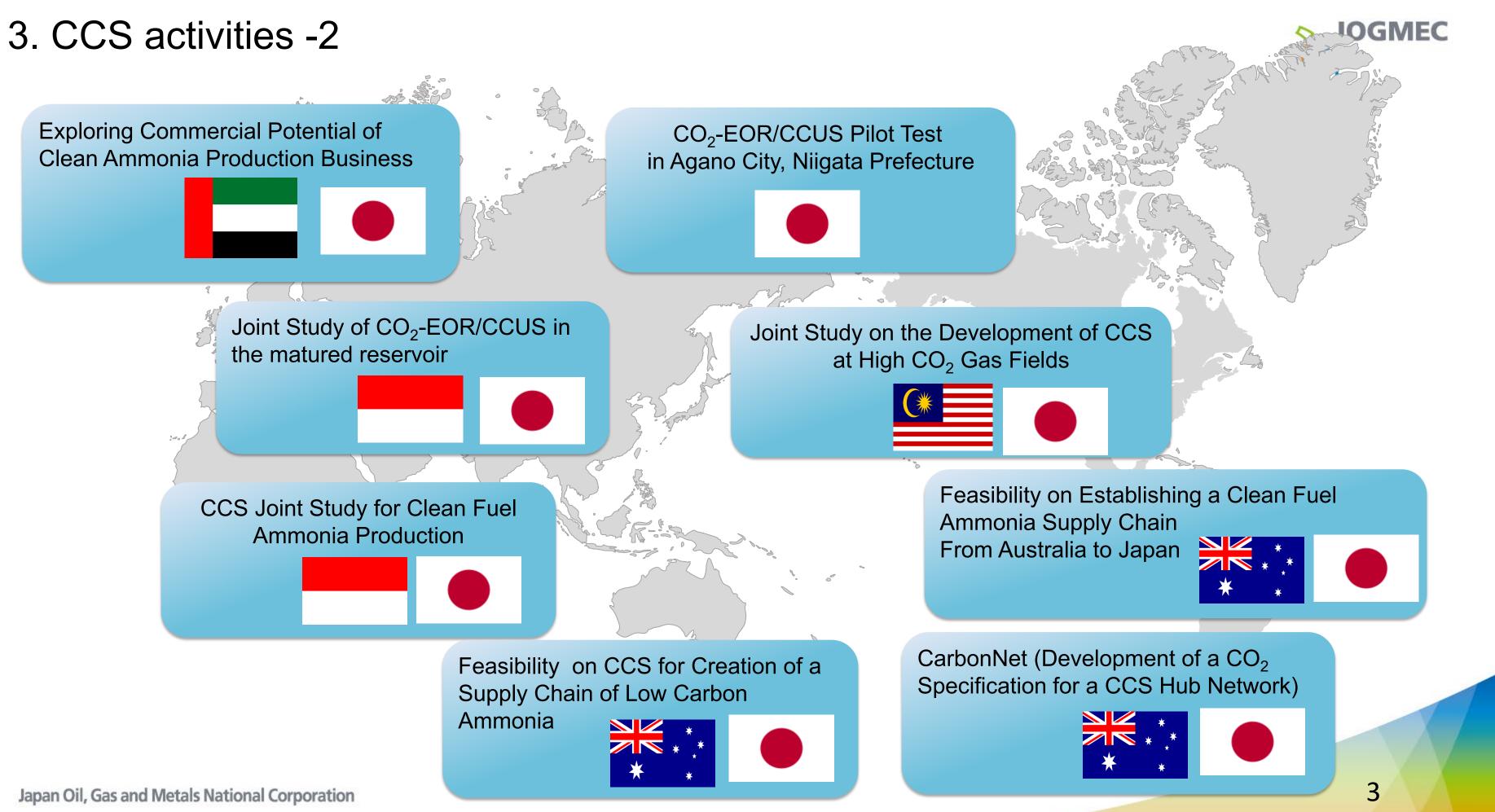
International cooperation

Accelerating global collaboration including following parties; Saudi Aramco, Pertamina, Government of Alberta (Canada), Government of Victoria (Australia), Asia CCUS network, Global CCS Institute, CCS+ Initiative...and more.



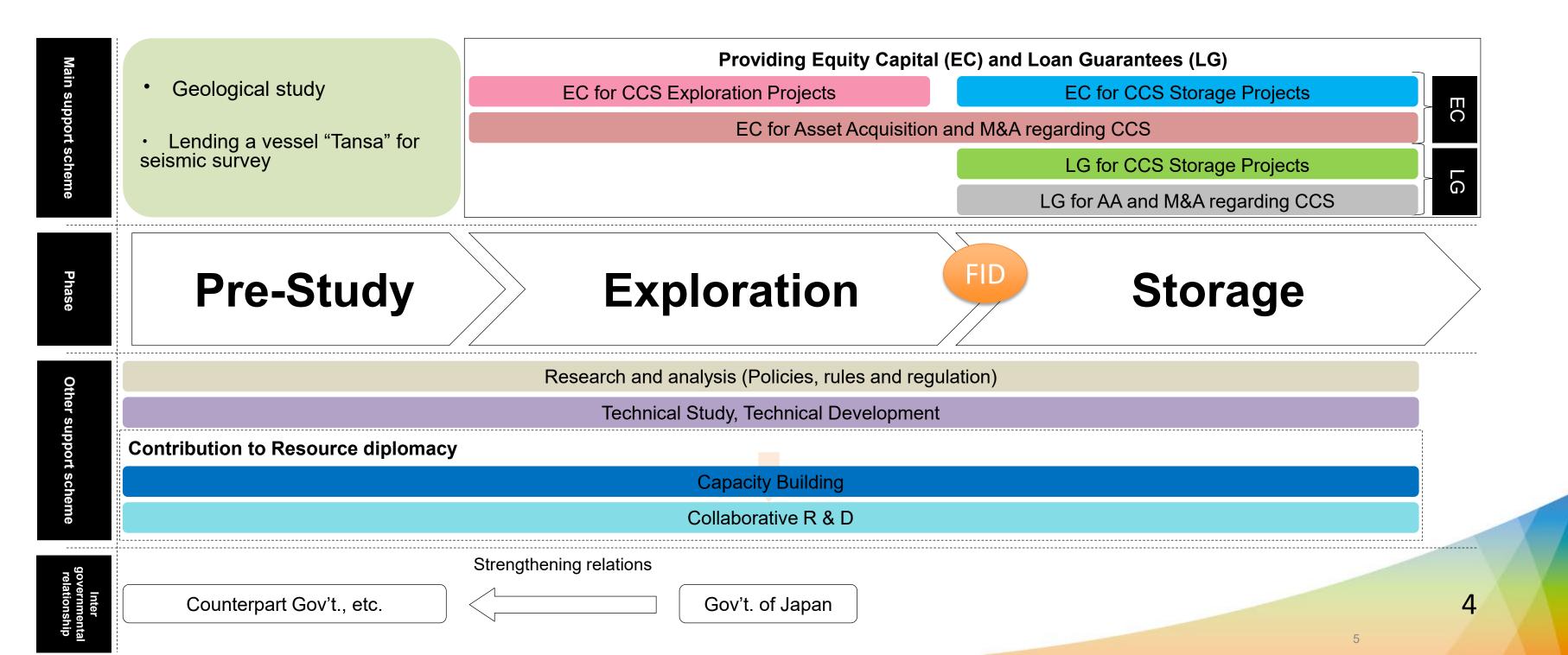


Publication of guidelines



4. New support scheme for CCS - Overview

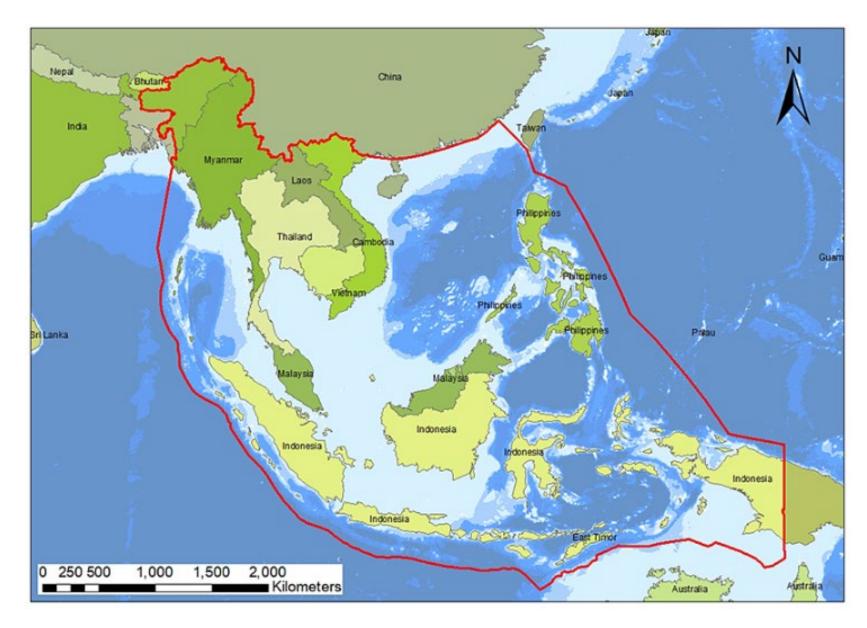
- JOGMEC promotes and supports CCS projects conducted in oversea and the coastal waters of Japan which \succ involves Japanese companies' participation.
- Pre-Study phase JOGMEC conducts and support geological survey in order to secure suitable areas for CO2 geological storage.
- Exploration and Storage phase- JOMGEC provides Equity Capital and Loan Guarantees.





5. New support scheme for CCS – Pre-study phase

- \succ JOGMEC conducts exploration for candidate storage sites (domestic and overseas).
- JOGMEC conducts screening study for CCSsuitable sites. The outcome results will be shared with private companies.



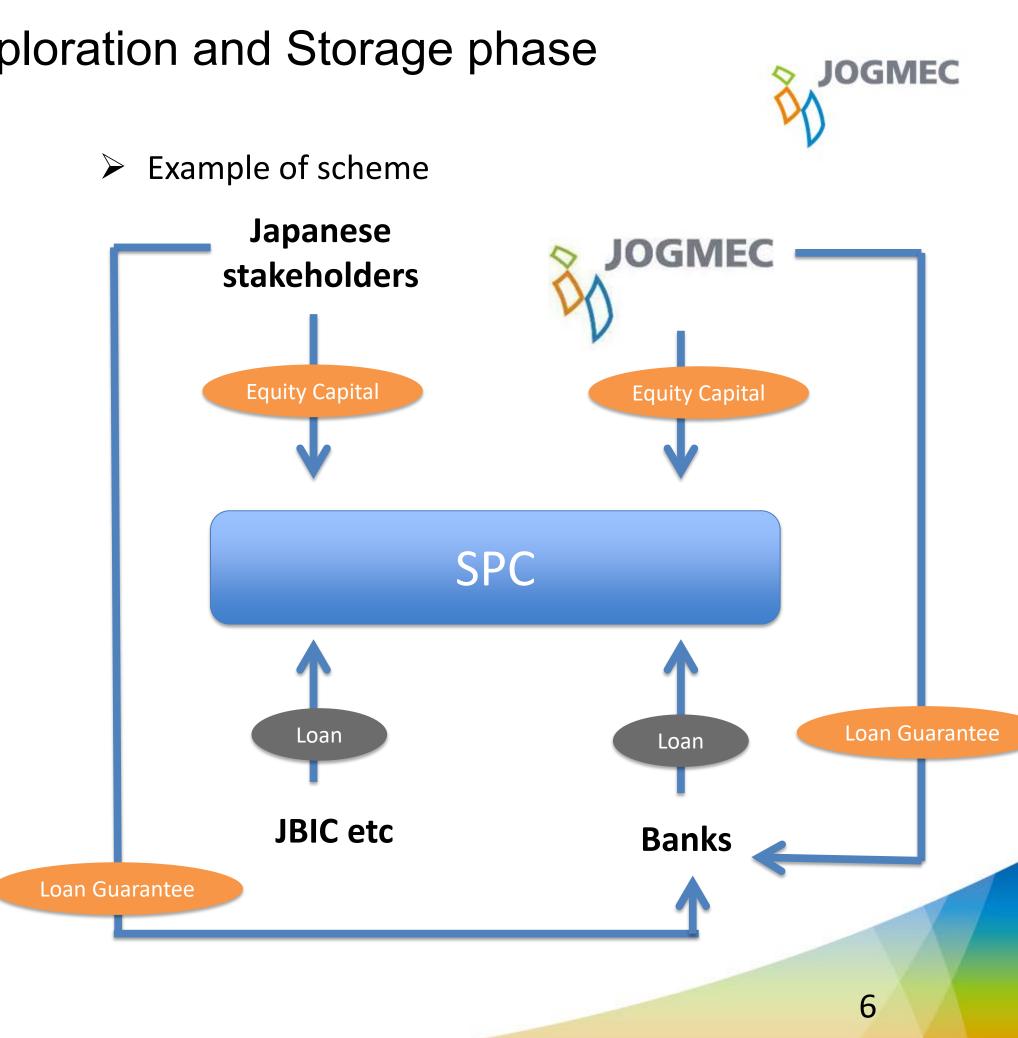


JOGMEC-owned 3D survey vessel "Tansa" will be utilized for governmental and Japanese companies' survey projects.



6. New support scheme for CCS – Exploration and Storage phase

- JOGMEC provide equity capital (EC) and loan guarantee (LG) for exploration and storage phase.
- Proposed project must contribute to stable supply of energy to Japan.
- Estimated scale of JOGMEC support Feasibility Studies -Approx. 100 million yen PreFEED-Approx. Several hundreds of millions of yen FEED- Approx. Several billions of yen Technological development-Approx. Tens to hundreds of millions of yen
- Implementation structure JOGMEC and the project proponent. Outcomes will belong to JOGMEC or both parties.



> For more information

資源ミライ開発

https://mirai.jogmec.go.jp/ English version is now available !

> Inquiry

Global Coordination Division, Hydrogen and CCS Project Department

jogmec-ccs-globalcoordination@jogmec.go.jp

Japan Oil, Gas and Metals National Corporation

Thank you.

