



JOGMEC's Role & Contribution to Coal Stable Supply for Energy Security

エネルギー安全保障における石炭安定供給へのJOGMECの役割と貢献

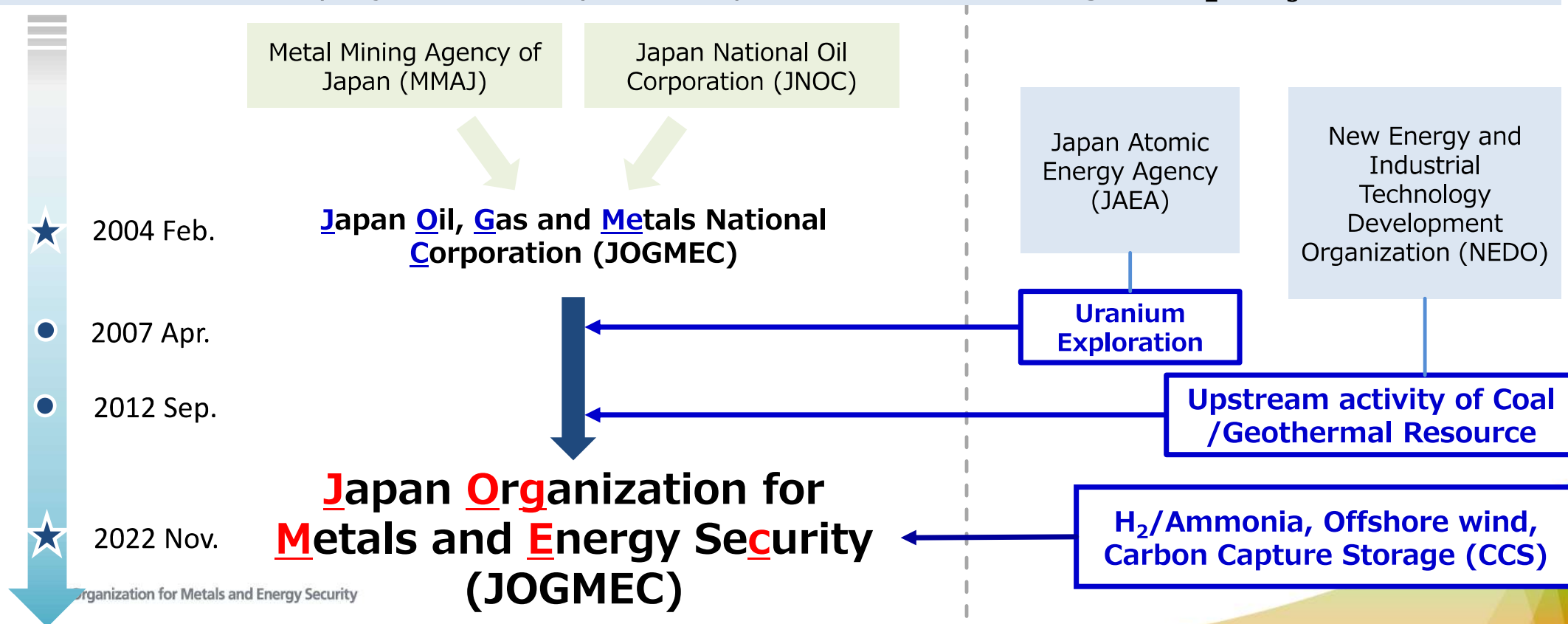
Japan Organization for Metals and Energy Security

KUBOTA Hiroshi, Executive Vice President

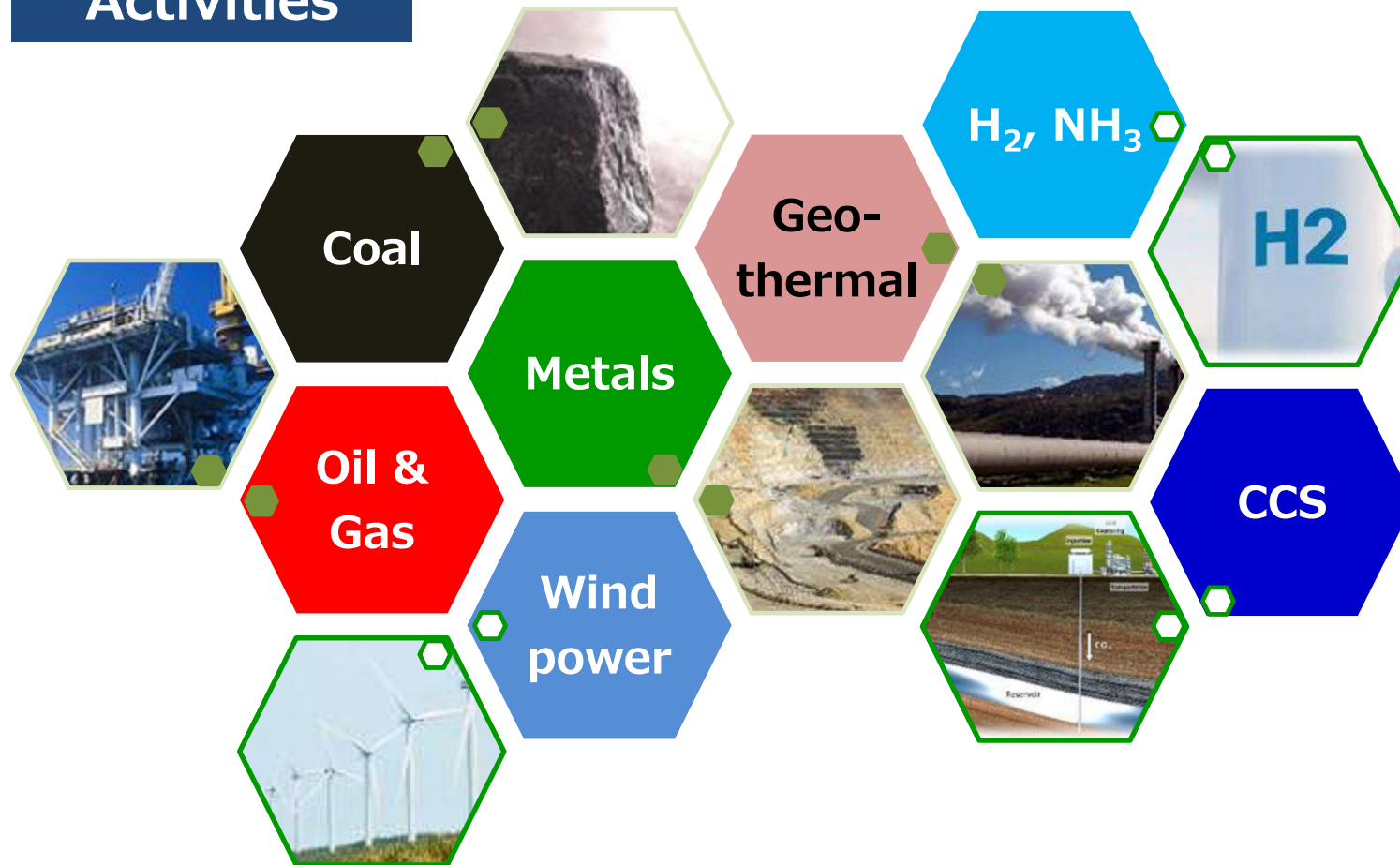
September 5th, 2025

History of JOGMEC

Mission: Governmental organization (1) to ensure stable supply of oil, gas, metals and coal resources to Japan, (2) to promote renewable energy development such as geothermal resources and offshore wind power plant inside Japan, (3) to promote CCS/CCUS project, and to promote production and storage of H₂/NH₃.



Activities



Japan Organization for Metals and Energy Security

Support menu

- Geological surveys
- Marine resource development
- Financial assistance
- Technology development
- Stockpiling
- Environmental protection
- Collection and provision of information
- Strategic diplomacy and international cooperation

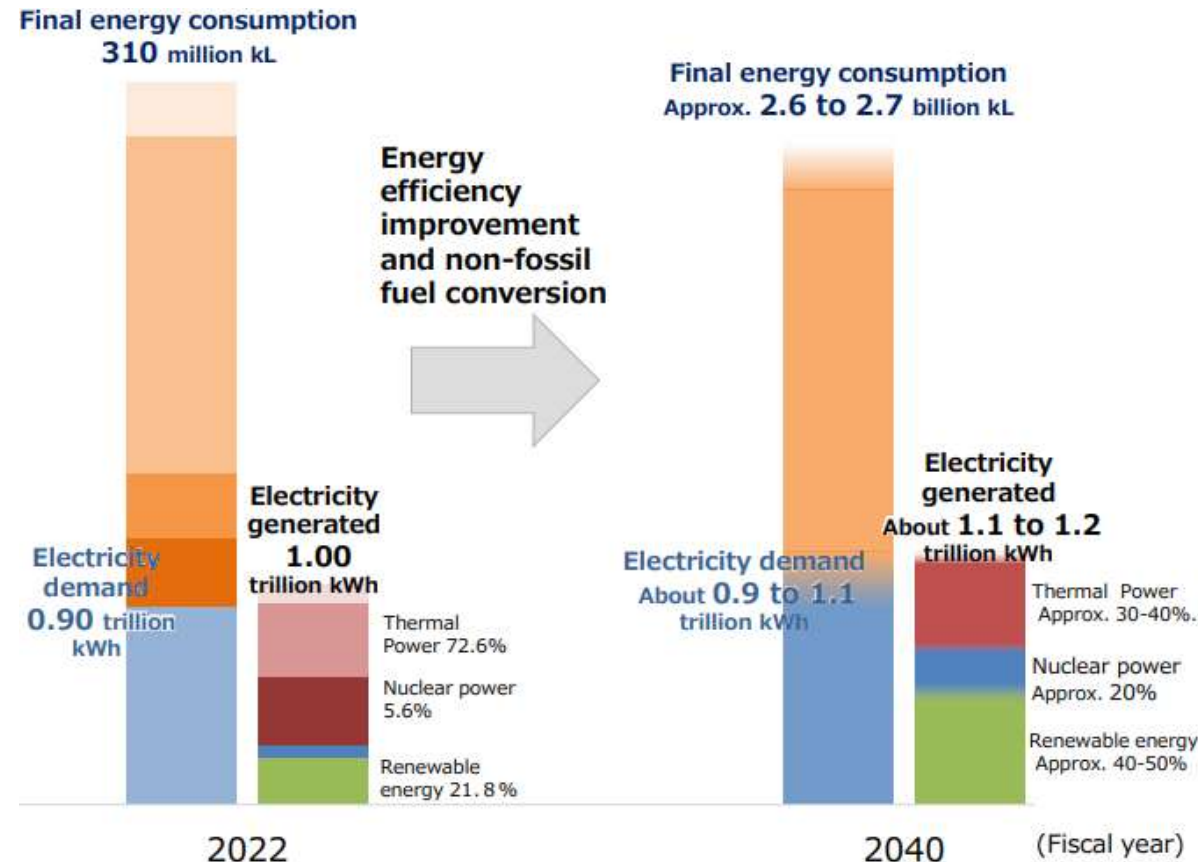
Overview of the 7th Strategic Energy Plan

7th Strategic Energy Plan for Japan

7th Strategic Energy Plan has been formulated in February 2025.

- In response to global changes that have occurred since the previous plan in 2021, The outlook for energy supply and demand in FY2040 is presented **as a certain range using multiple scenarios**, keeping in mind the **existence of various uncertainties**, while also referring to analytical methods used in other countries.
- The Plan introduced monitoring of relatively long-term term contracts for thermal coal as a complementary policy indicator, in addition to the existing policy indicators that monitor the degree of acquisition of overseas coal interests.
- JOGMEC introduced new measures at the end of 2024 **to support an increase in term contracts for thermal coal**.

Energy Supply and Demand Outlook



METI: https://www.enecho.meti.go.jp/about/special/johoteikyo/energyissue2024_1.html

Risks of Coal Business in the Energy Security in Japan

Supply Side

- Limited coal mining corporation participation as a result of global divestment from thermal coal assets.
- Difficult additional reserves and increasing development cost because of strict environment & climate policies in coal producing countries.
- Increasing financial cost because of strict coal policy of financial institutions

⇒ **Risks of Stable Coal Supply**

Demand Side

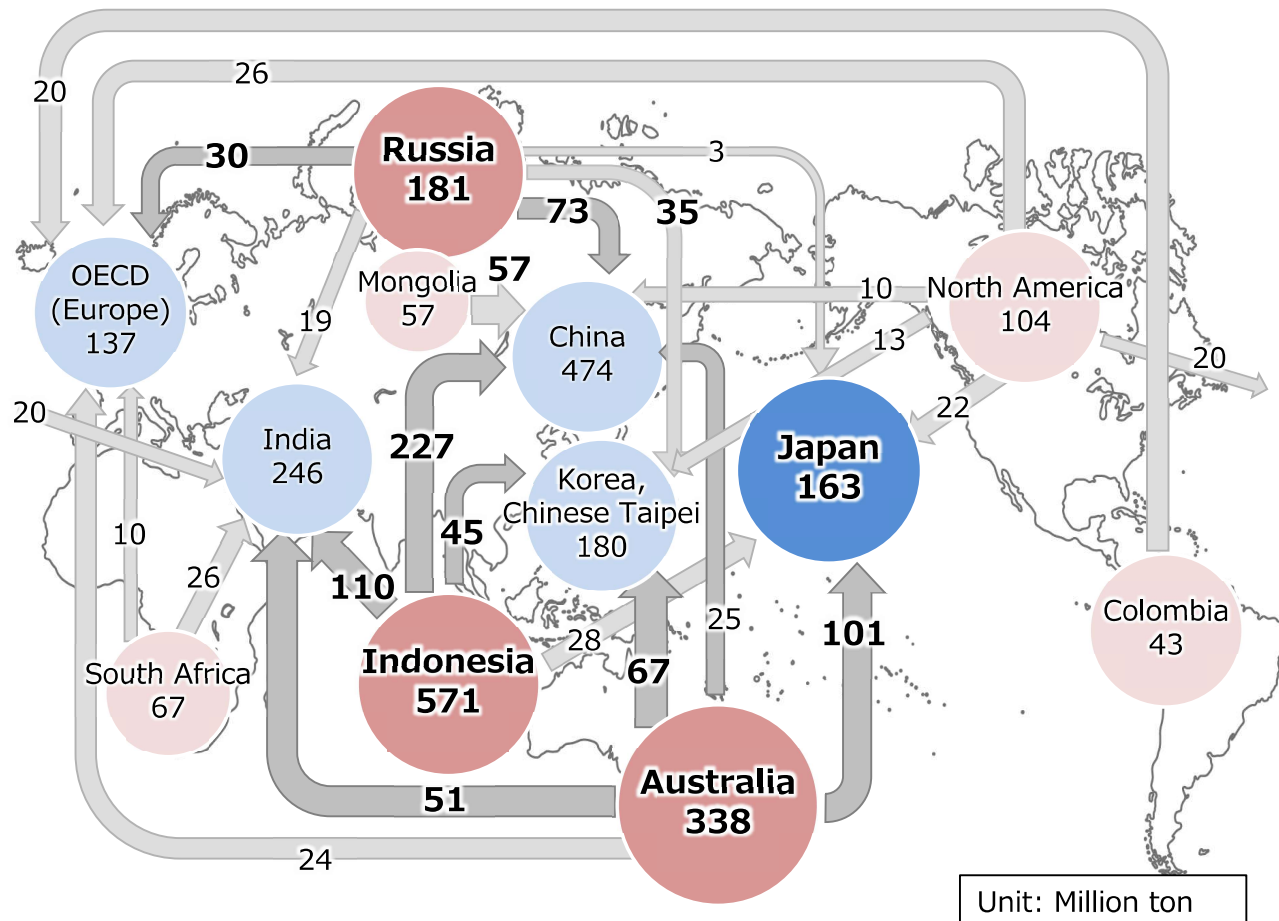
- Japan's coal-fire power generators trends to choose high-calorie coal
- Role's Shift from baseload power sources to middle power sources with introduction of renewable energy & restarting nuclear power ⇒ Demand is expected to decline
- Massive adoption of Data Centers due to widespread adoption of generative AI ⇒ Demand is expected to increase?

⇒ **Risks of Stable Coal Demand**

Both risks are important for Japan, which is relies on overseas imports for coal

Current Status of Global Coal Trade

Coal flow (in 2023)

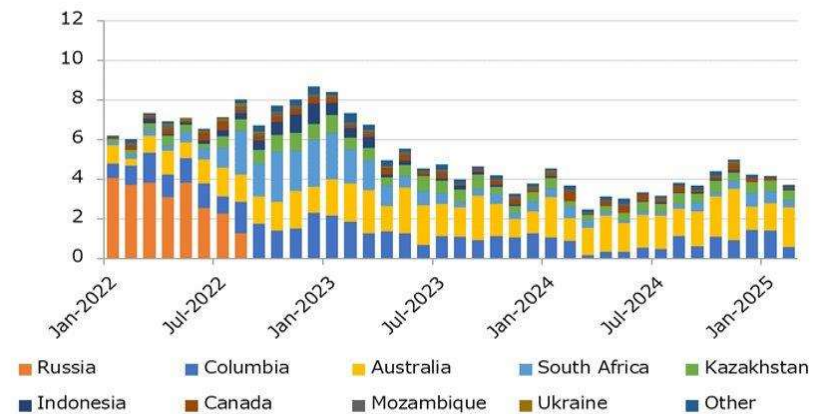


By IEA Coal Information, trade statistics of each country
※: Only major transportation

Coal import in EU and Japan

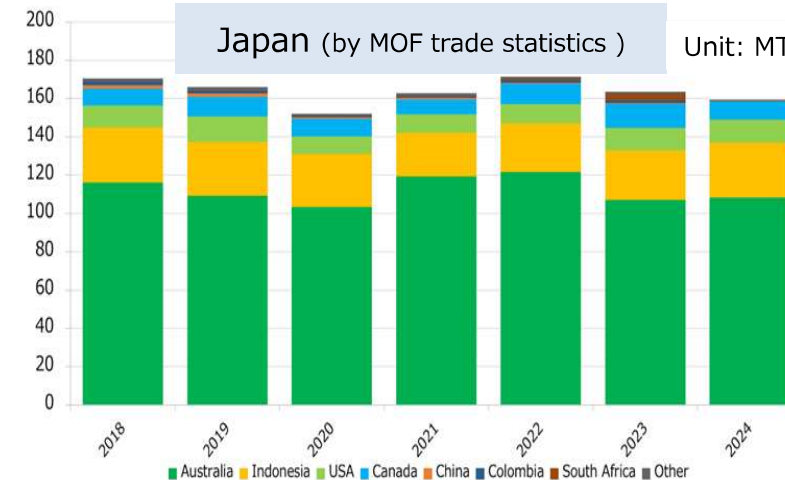
EU (by Eurostat)

Unit: MT

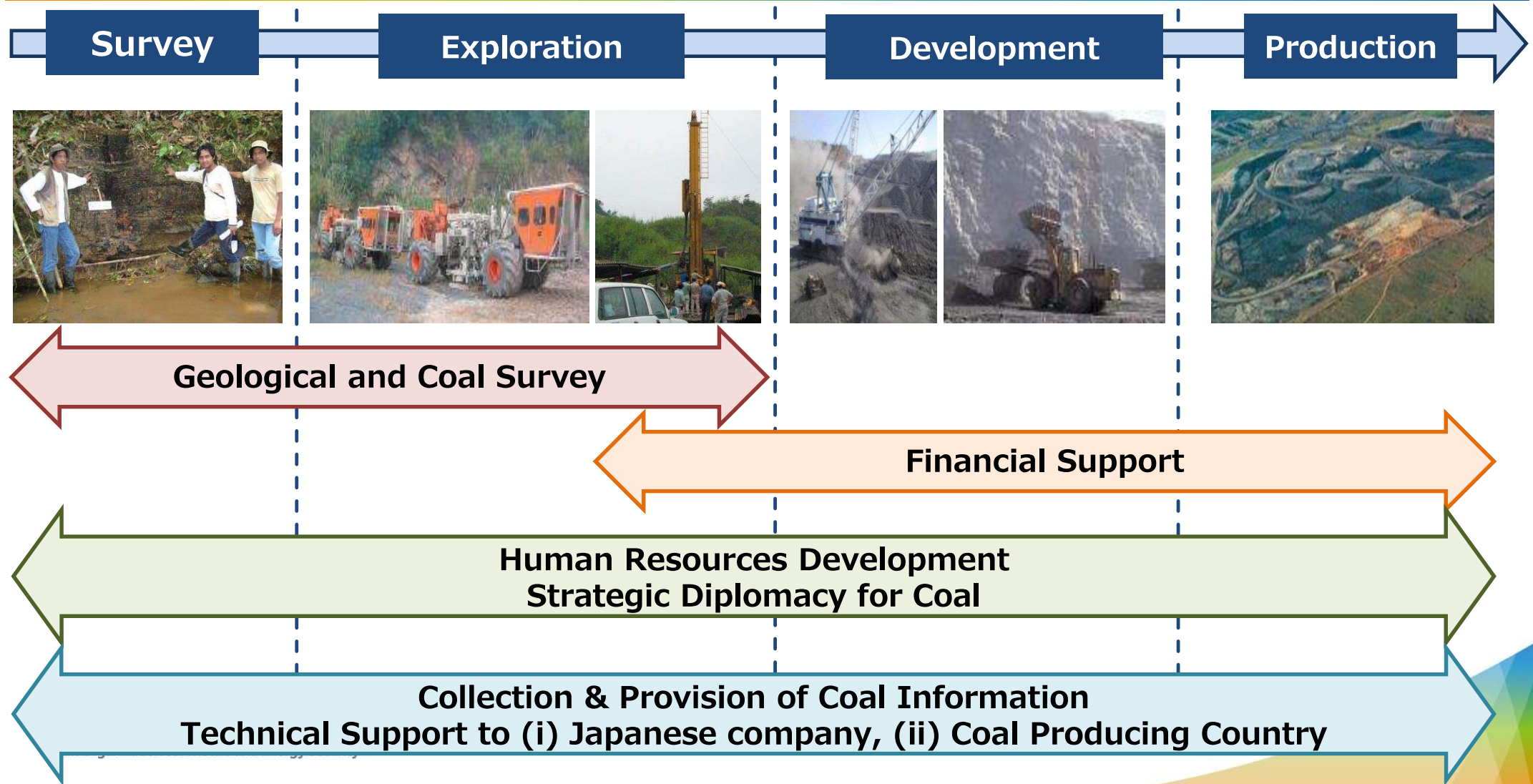


Japan (by MOF trade statistics)

Unit: MT



How to Support Stable Coal Supply

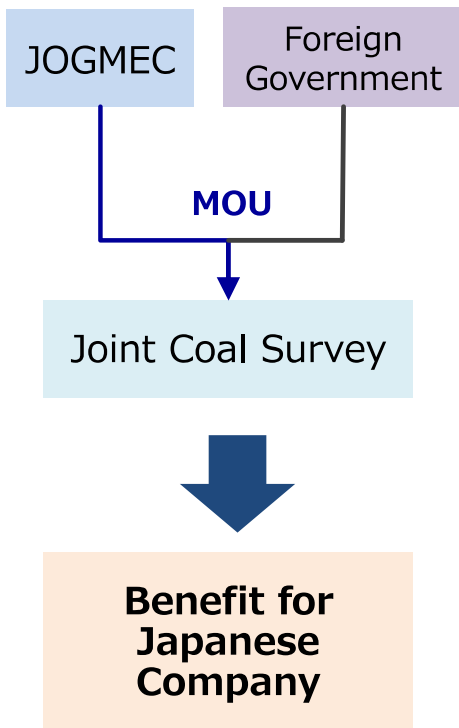


Support Scheme by Survey/Exploration & Subsidy

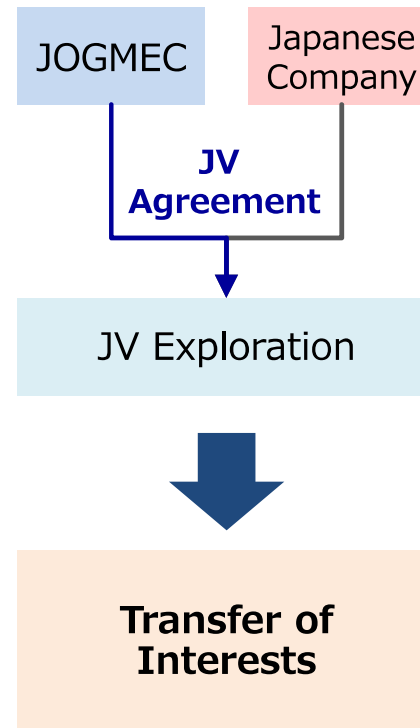
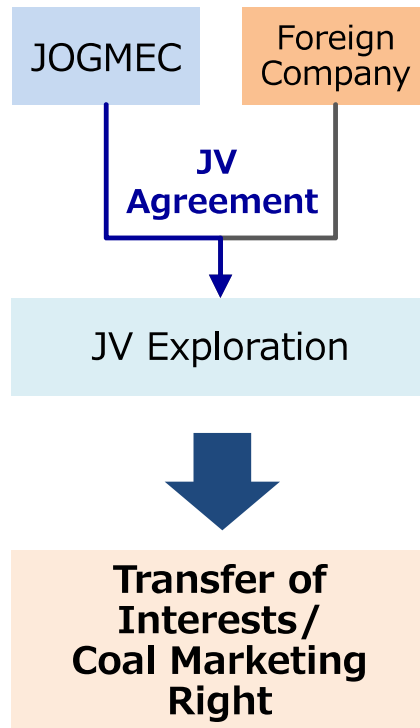
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JV (Joint Venture) Survey / Exploration

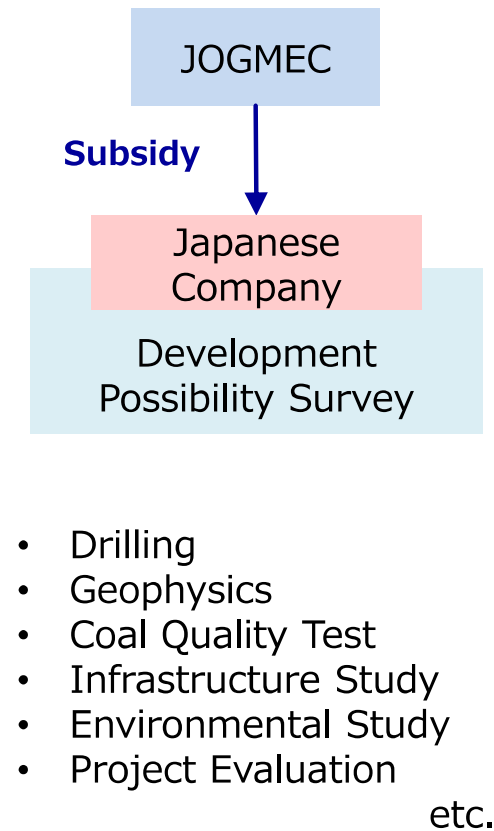
with Government
of Coal Producing
Country



with Company

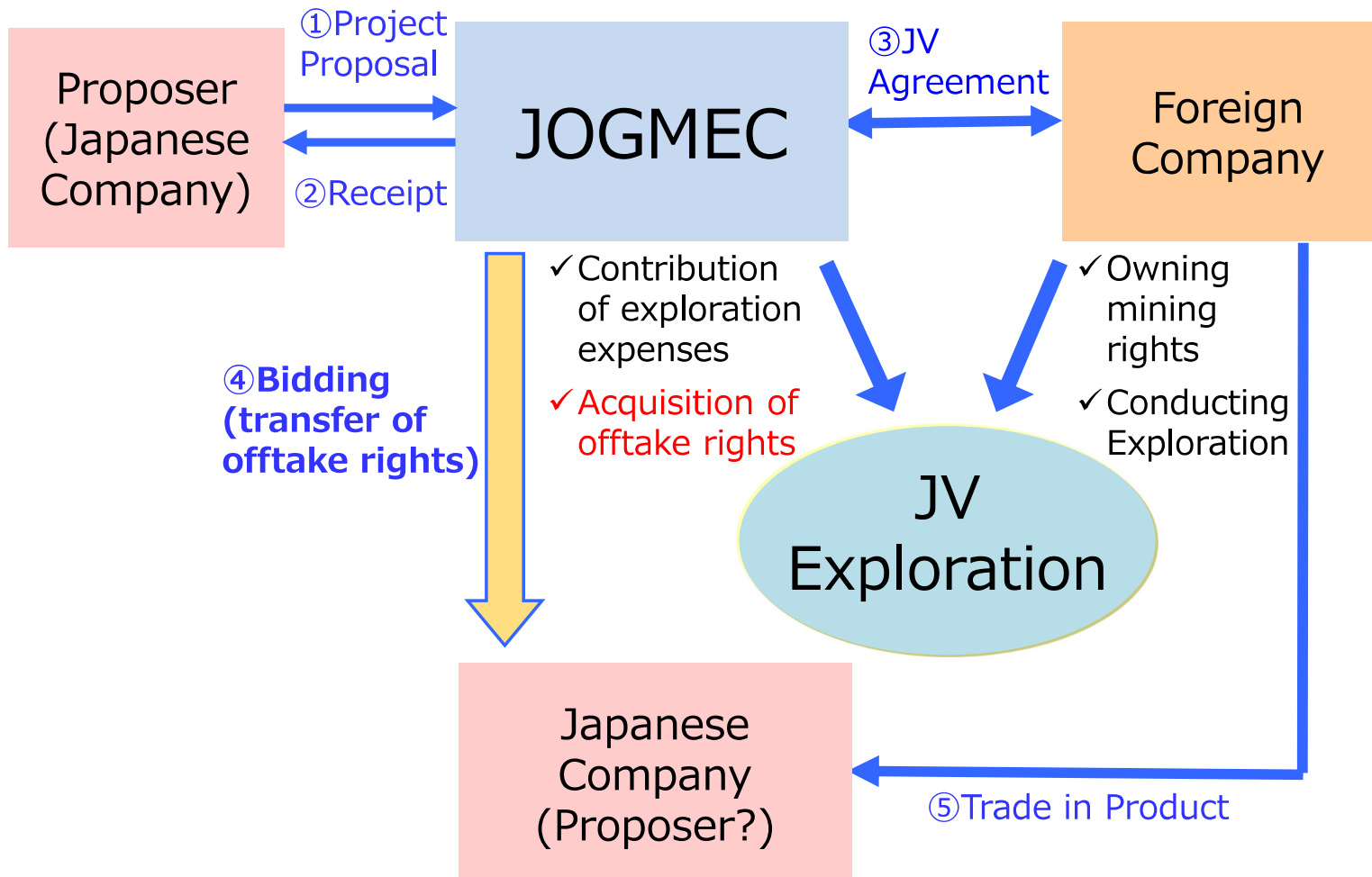


Subsidy for Exploration



New scheme "Proposal-based JV"

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- JOGMEC concludes a joint venture exploration contract with a foreign coal company to "invest exploration costs and acquire offtake rights."
- The offtake rights acquired by JOGMEC will be transferred to a Japanese company via a bidding.
- JOGMEC is inviting proposals from Japanese companies via public notices.

Joint Survey with Vietnamese governmental agency

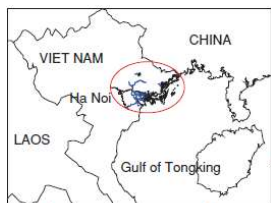
Joint Coal Survey



MOU



Benefit for Japanese Company: Coal Purchasing Right



Quang Ninh Coal Field

Year / Location

2012-2013: Dong Ri①

2014-2017: Bac Suoi Lai②

2018: Nam Mau③

2019: Bac Bang Danh④

2022-2025: Suoi Lai⑤

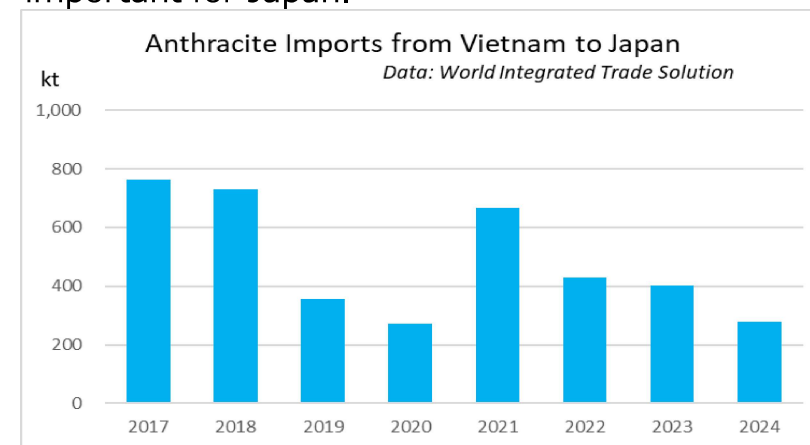


Joint Coal Survey

- Geological survey,
- Trenching,
- Drilling,
- Geophysical logging,
- Coal property analysis, etc.,

<Strengthening bilateral relations>

- ANTHRACITE imports from Vietnam are still important for Japan.



Strategic Diplomacy for Coal/Human Resource Development

MOUs with QLD & NSW

- Discussion on coal policy & Japanese coal demand outlook
- Promotion of Japanese companies' funding

MOU with QLD since 2013

- Sep. 2022; Meeting@JOGMEC between QLD Treasurer and Minister for Trade and Investment and JOGMEC CEO
- Nov. 2022; On-line Investment Seminar co-sponsored with QLD
- Feb. 2023, Meeting@Brisbane on Japanese coal demand outlook and QLD's coal policy

MOU with NSW since 2017

- Mar 2023; Meeting@Sydney on Japanese coal demand outlook and NSW's coal policy

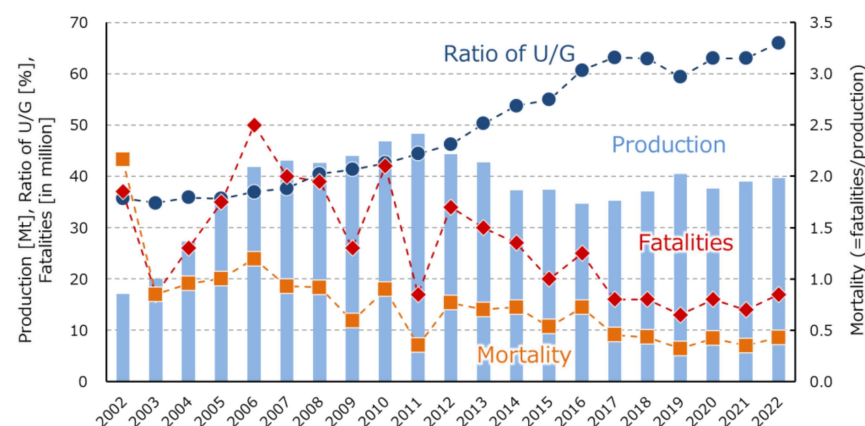


Human Resource Development on Coal Mining and Safety

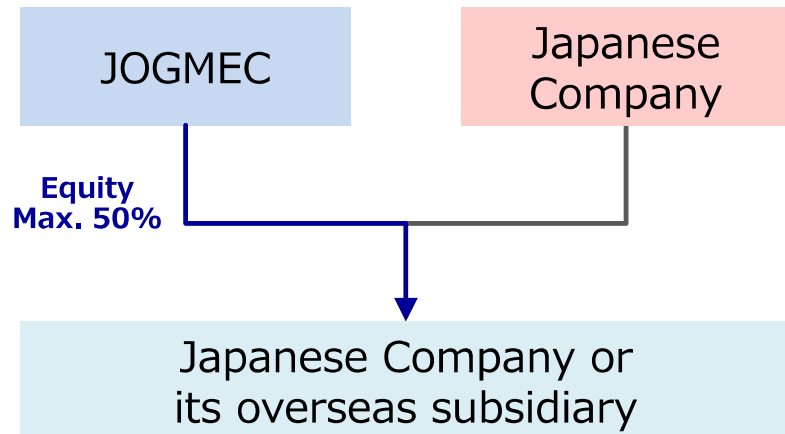
- Training on Japanese coal mining and safety technology to coal producing countries for the stable supply of coal resources in Japan

No. of trainees from 2002-2024

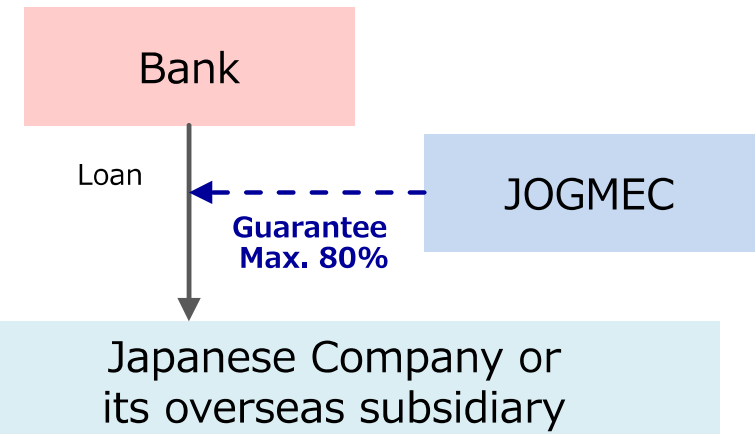
	Training in Japan	Training in Overseas
Vietnam	2,503	161,687
China	1,929	26,447
Indonesia	714	49,734
Colombia	85	—



Equity Capital



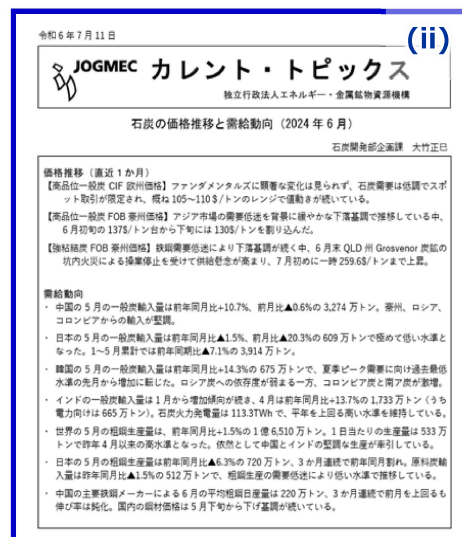
Liability Guarantee



Gathering and Providing Information

- News Flash; Daily news from JOGMEC overseas offices and overseas media
- Current Topics; Brief report by JOGMEC
- Research Report; 2024JFY's reports are (i) Coal market in the world, (ii) Impact of China's energy, environment policies on the global coal market, (iii) Coal availability, coal transport infrastructure and coal utilisation trends in South Africa, (iv) Coal supply and demand trends in India, and (v) Policy, regulatory and technological trends related to methane gas emissions from coal mines

Tool to provide information to Japanese companies
(i) JOGMEC Homepage, (ii) email newsletter, (iii) YouTube



Joint Study for Technical Solution

Target Scope of Works

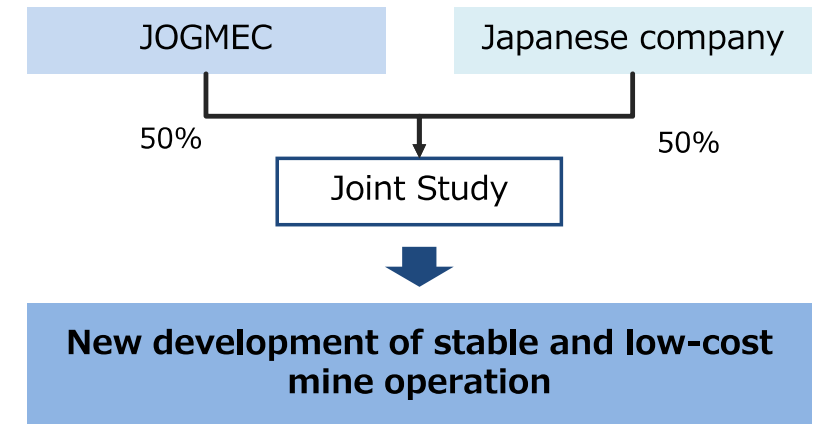
Technical issues associated with the coal mine project :

- ① **Evaluation and F/S**
- ② **Production Technology**
- ③ **Environmental Countermeasures**

3 Joint Studies in JFY 2024

Feasibility study on the production of biomass carbon products for the sustainable use of mine site

- Development of biomass carbon products, and coal blending technology for use in steel production
- Performance evaluation using biomass carbon products in commercial steel plant



Other studies

- Feasibility study on the application of utilizable plant species through planting trials on post-mining sites and similar areas
- Study on the materials and business of using decarbonized material-blended coal used in the steelmaking process

Further Support to Japanese Companies

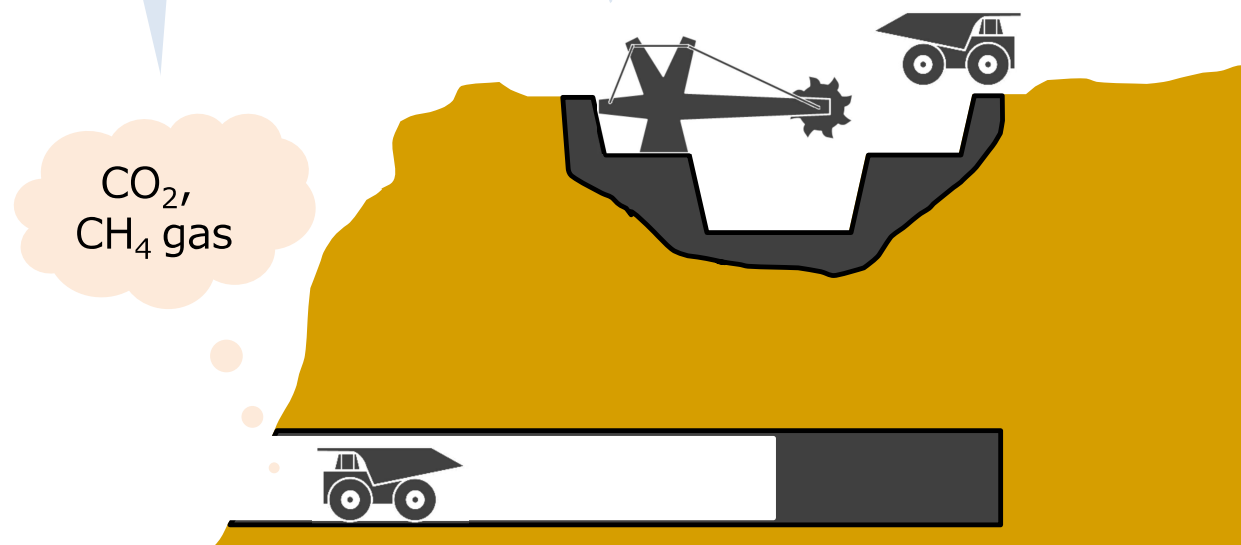
Support in coal mining fields to reduce GHG (e.g Australian Safeguard Mechanism)

- Reduction GHG by Capturing and using CH₄ gas

- Equipment electrification
- Utilization AI and IoT for mining

Joint Study item between Japanese company and JOGMEC

- Reduction of GHG from coal mine by
 - ✓ capturing and utilizing CH₄ gas
 - ✓ decarbonization of CH₄ gas
- Equipment electrification using green-energy
- Utilization AI and IoT





Thank you for your attention.

