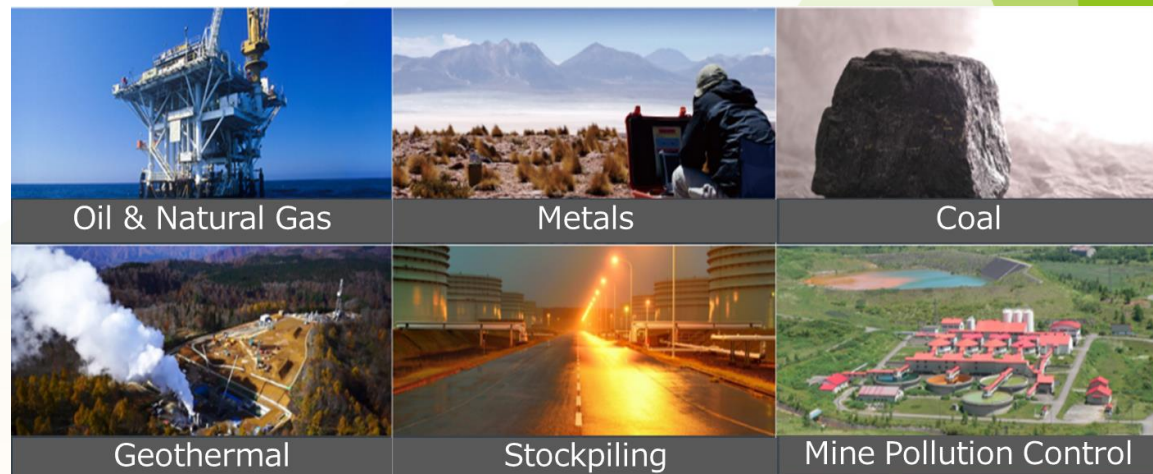




# JOGMEC's Approach toward Fuel Ammonia Value Chain Realization

Japan Oil, Gas and Metals National Corporation  
2022/9/28

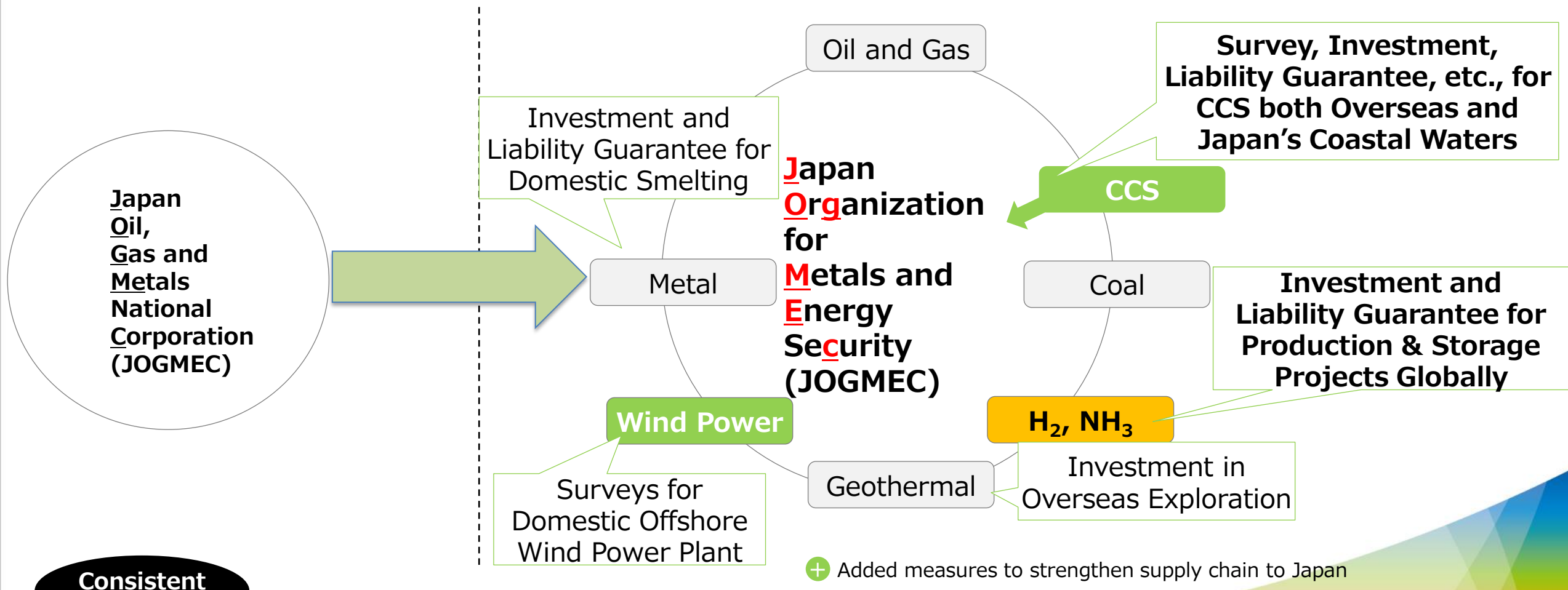
WAKUDA Hajime  
President



# JOGMEC's Activities and its new function

**Law Amendment**  
(Promulgated on May 20<sup>th</sup>)

## Amendment Act



**Consistent Mission**

**Secure a Stable and Affordable Supply of Energy and Metal Mineral Resources to Japan**

# Support & Joint Project in Progress (Clean Fuel & CCUS) -Overview-

Exploring the Commercial Potential of Clean Ammonia Production Business



CO<sub>2</sub>-EOR/CCUS Pilot Test in Agano City, Niigata Prefecture



Ammonia supply chain studies (Carbon accounting, CO<sub>2</sub> utilization)



Joint Study on the Development of CCS at High CO<sub>2</sub> Gas Fields



- Joint Study of CO<sub>2</sub>-EOR/CCUS in matured reservoir
- CCS Joint Study for Clean Fuel Ammonia Production



Feasibility Study of a Clean Fuel Ammonia Supply Chain (with CCS)



CarbonNet (Development of CO<sub>2</sub> Specification for a CCS Hub Network)

**More projects to come**

# Leading the Way Forward for CN Achievement

Features of the guidelines (Published on May 2022)

## CCS guideline

- Technical recommendations and GHG calculation methodologies to evaluate GHG reduction amount for CCS projects.
- A guideline from project planning until closure, including the evaluation of CO<sub>2</sub> storage resources and GHG reduction amount.

## GHG/CI guideline

- A recommended guideline to calculate GHG emission and product carbon intensity for LNG/Hydrogen/Ammonia projects.
- Includes countermeasures for methane emission, and calculation methodology according to the emission source

# Thank you

➤ For more information, visit  
<https://mirai.jogmec.go.jp/en/>

CLEAN  
FUTURE  
ENERGY

Leading the Way for  
Next-Generation Technologies for  
a Carbon-Neutral Society

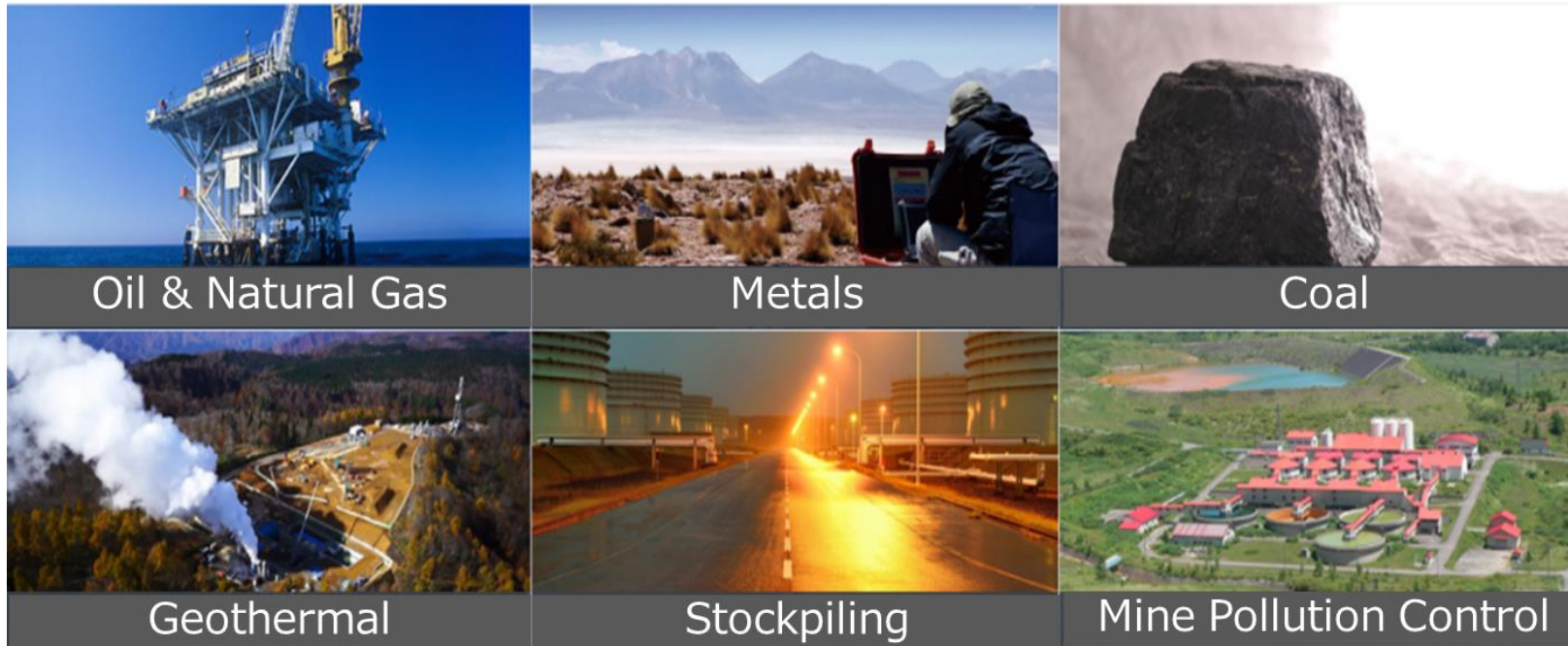
**WE SUSTAIN THE FUTURE OF ENERGY**

# Who is JOGMEC?

## Japan Oil, Gas and Metals National Corporation

### Mission

Secure the **stable supply** of Natural Resources for Japan



### JOGMEC Carbon Neutral Initiative:

Contribute to achieve carbon-neutral society by securing stable resource / fuel supply and strengthening initiatives that are consistent with climate change.