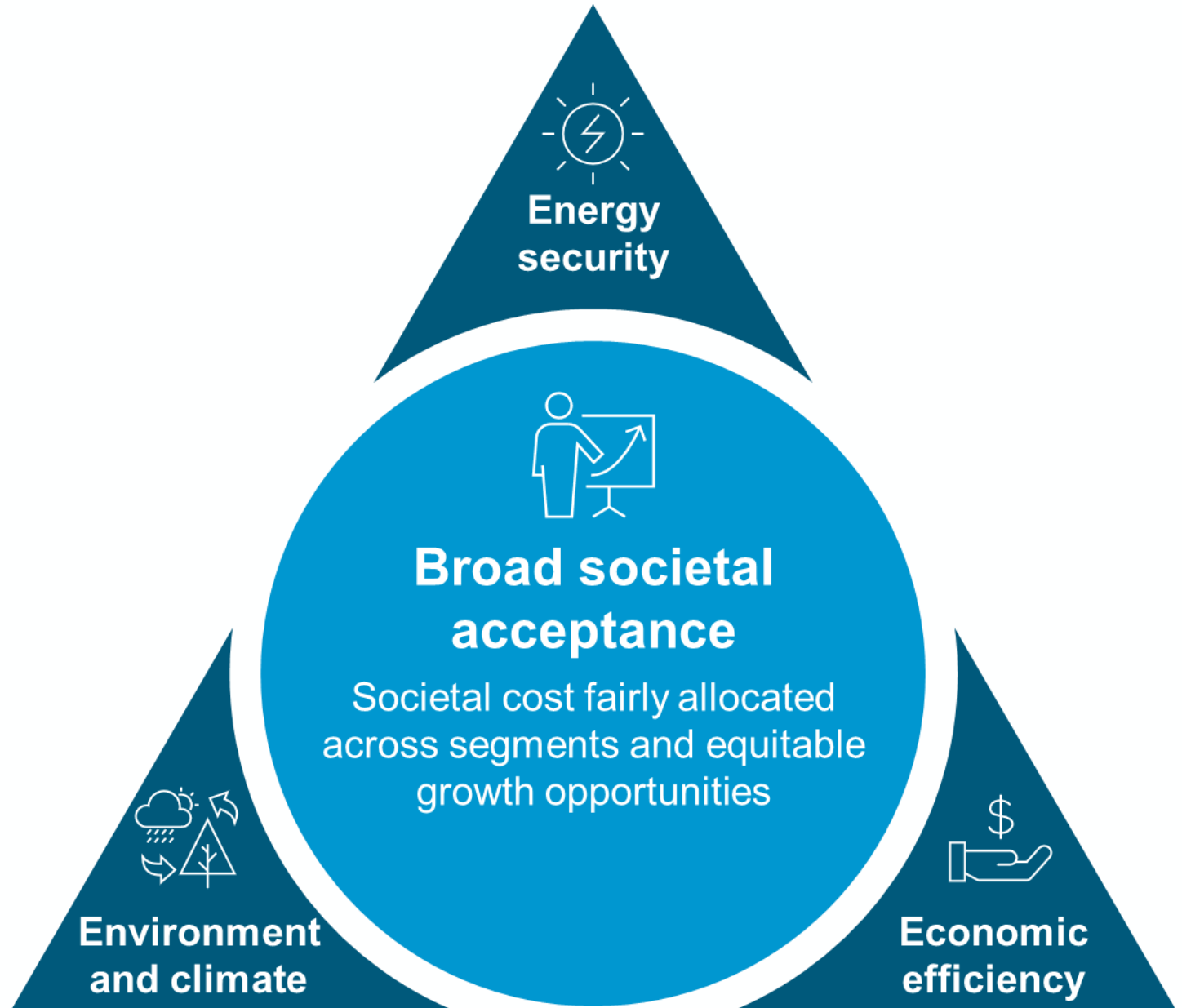
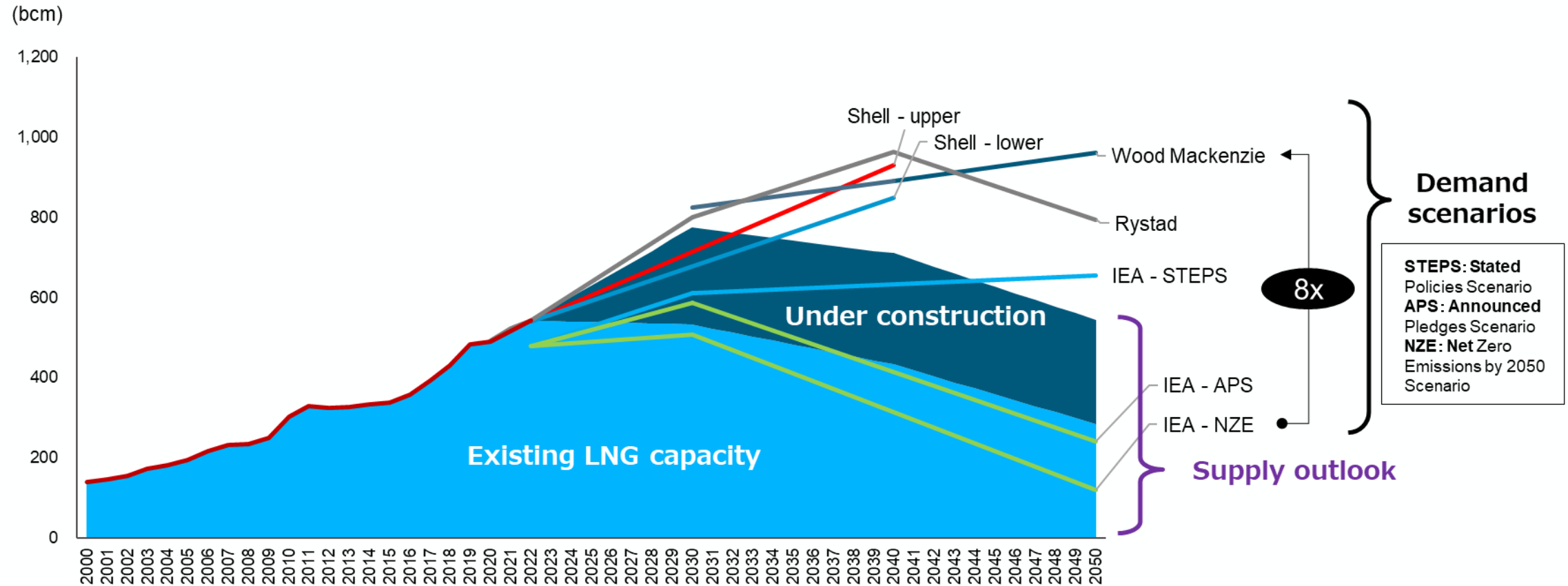


Opening Remarks

The Energy Trilemma



Global LNG supply outlook and demand scenarios by different organization



Source: METI analysis based on The Oil and Gas Industry in Net Zero Transitions (IEA, 2023) and JOGMEC

The Role of Natural Gas and LNG

- October 2024, the Ministry of Economy, Trade and Industry (METI) and the International Energy Agency (IEA) held the LNG Producer-Consumer Conference 2024 in Hiroshima. Participants discussed the role of LNG towards net zero through the public-private dialogue among LNG producers and consumers.
- ① Natural gas fired power plants, as dispatchable sources of electricity, can provide **flexibility to integrate variable renewables** such as solar and wind energy worldwide.
- ② In emerging and developing economies, particularly in Asia, gas and **LNG can help facilitate the transition away from coal.**
- ③ Various technology options are being considered to **reduce emissions across the LNG supply chain.**
- **Japan and Italy cooperation in Emergency Procurement, Expansion of CLEAN initiative, etc.**



Commissioner Murase delivering opening remarks



Scene from a panel discussion

CLEAN

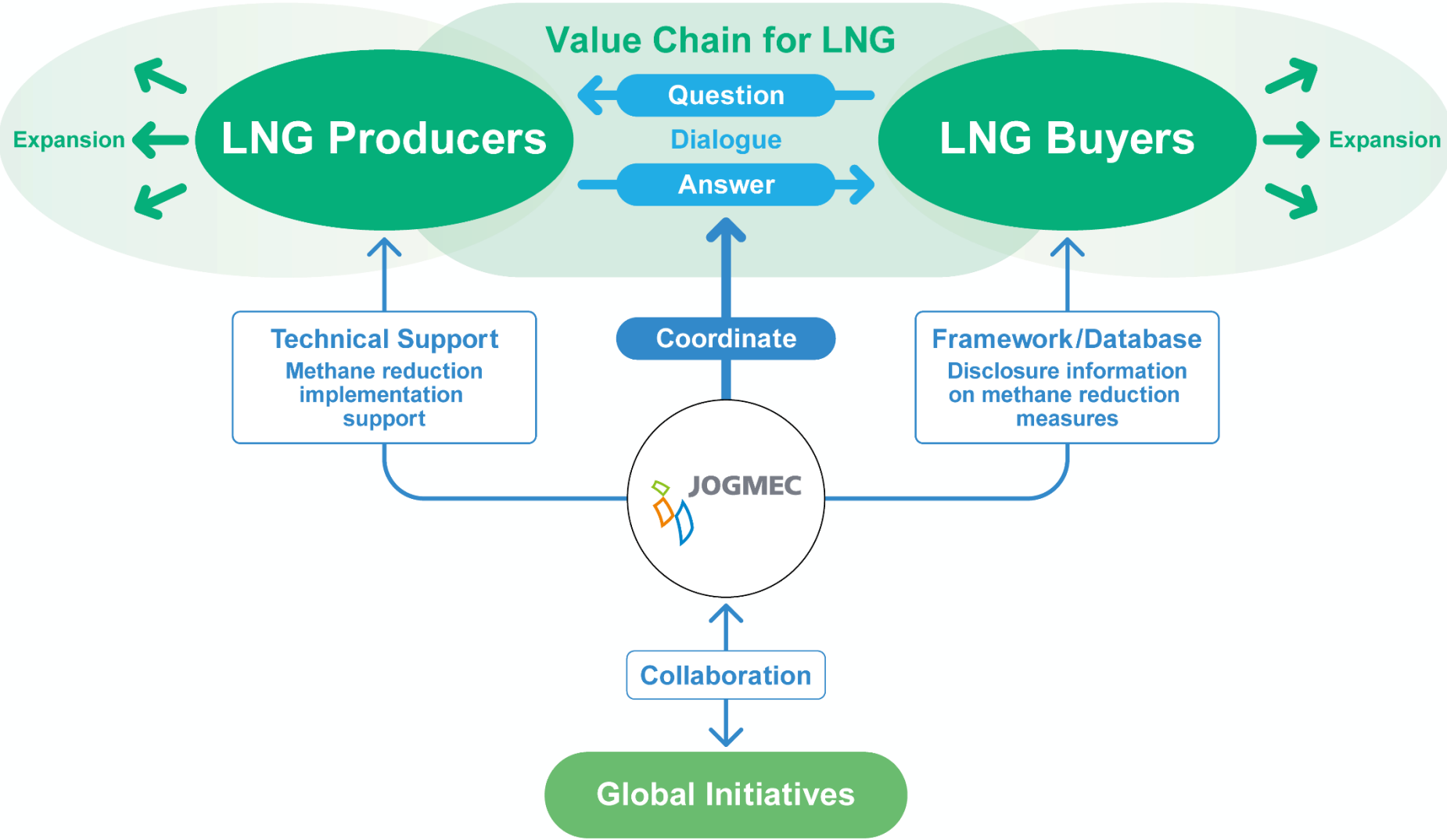
Coalition for LNG Emission Abatement toward Net-zero

**Producer-
Consumer
win-win
partnership**

**Covering
world's 25%
LNG consumers
and 40%
producers**

**World's only
methane data
disclosure
by project**

Producer-Consumer Win-Win Partnership



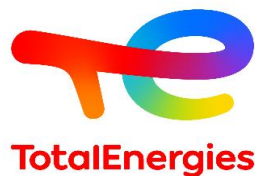
Covering world's 25% LNG consumers



World's 40% LNG producers onboard



Santos



PETRONAS



INPEX

CHENIERE



الشركة العمانية للغاز الطبيعي المسال ش.م.م
Oman LNG L.L.C.



The CLEAN Annual Report 2024 is available now!



Download from here!

Draft of 7th Strategic Energy Plan of Japan

Final energy consumption and primary energy supply in 2040

* The figures are provisional and may change in the future

the 73% GHG cut-aligned scenarios

	FY2013	FY2022	FY2040(forecast)
Final energy consumption	360 million kL	310 million kL	About 260~270 million kL
Primary energy supply	540 million kL	470 million kL	About 420~440 million kL
renewable energy	50 million kL	70 million kL	About 110~130 million kL
Nuclear	0 million kL	10 million kL	About 50 million kL
Hydrogen, etc.	-	-	About 20 million kL
Natural gas	130 million kL	100 million kL	About 80~90 million kL (About 57~64 million tons)
Oil	230 million kL	170 million kL	About 90~120 million kL
Coal	140 million kL	120 million kL	About 40~50 million kL
Energy self-sufficiency rate	6.5%	12.6%	About 30~40%

Another scenario: Final energy consumption and primary energy supply in 2040

Assumption is that the development of renewable energy, hydrogen, and other decarbonization technologies such as CCS will not progress as much as expected in FY2040, that significant cost reductions and other measures will not be sufficiently advanced, and the introduction of existing technologies expands. In this case, the primary energy supply of natural gas would be 74 million tons.

* The figures are provisional and may change in the future

	FY2040(forecast)
Final energy consumption	About 270 million kL
Primary energy supply	About 430 million kL
renewable energy	About 90 million kL
Nuclear	About 50 million kL
Hydrogen, etc.	About 10 million kL
Natural gas	About 110 million kL (About 74 million tons)
Oil	About 120 million kL
Coal	About 60 million kL