



RYSTAD ENERGY

# GLOBAL LNG DEMAND AND TRADING

EIA Workshop

**16 NOVEMBER 2021**

**XI NAN, VICE PRESIDENT**

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# Content

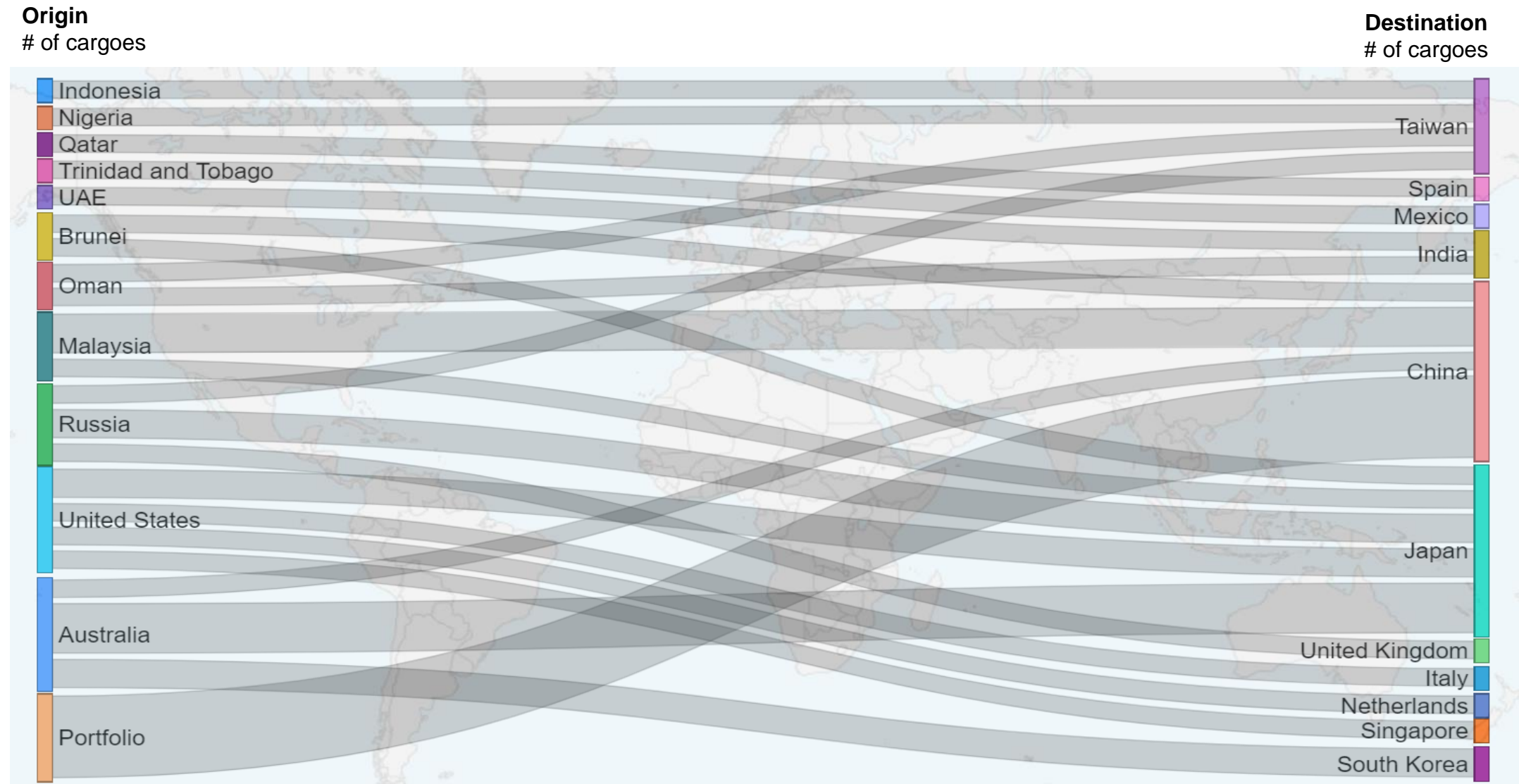
- Trends in LNG trading and contracting
- LNG demand outlook



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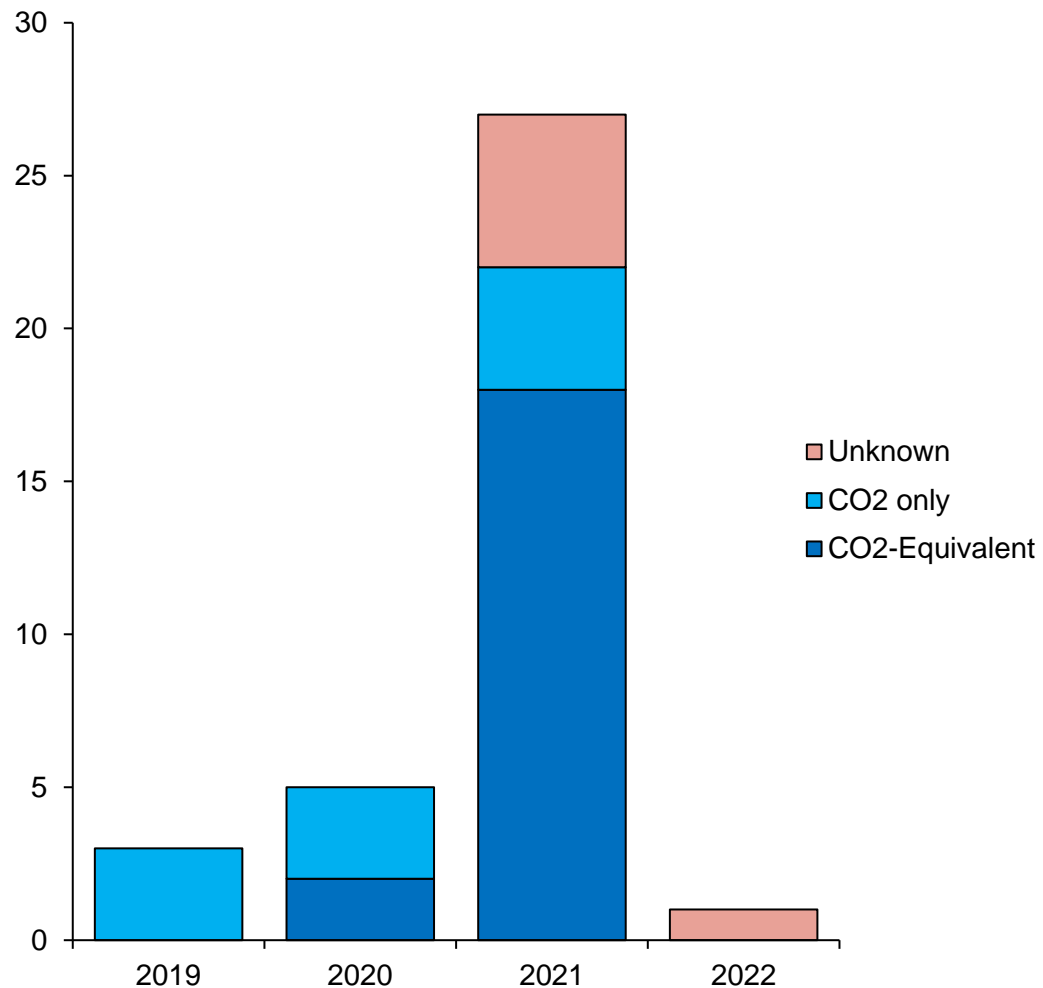
# Carbon offset LNG trade takes off: more than 2 Mt transacted 2019-YTD 2021 with 85% arriving at Asia



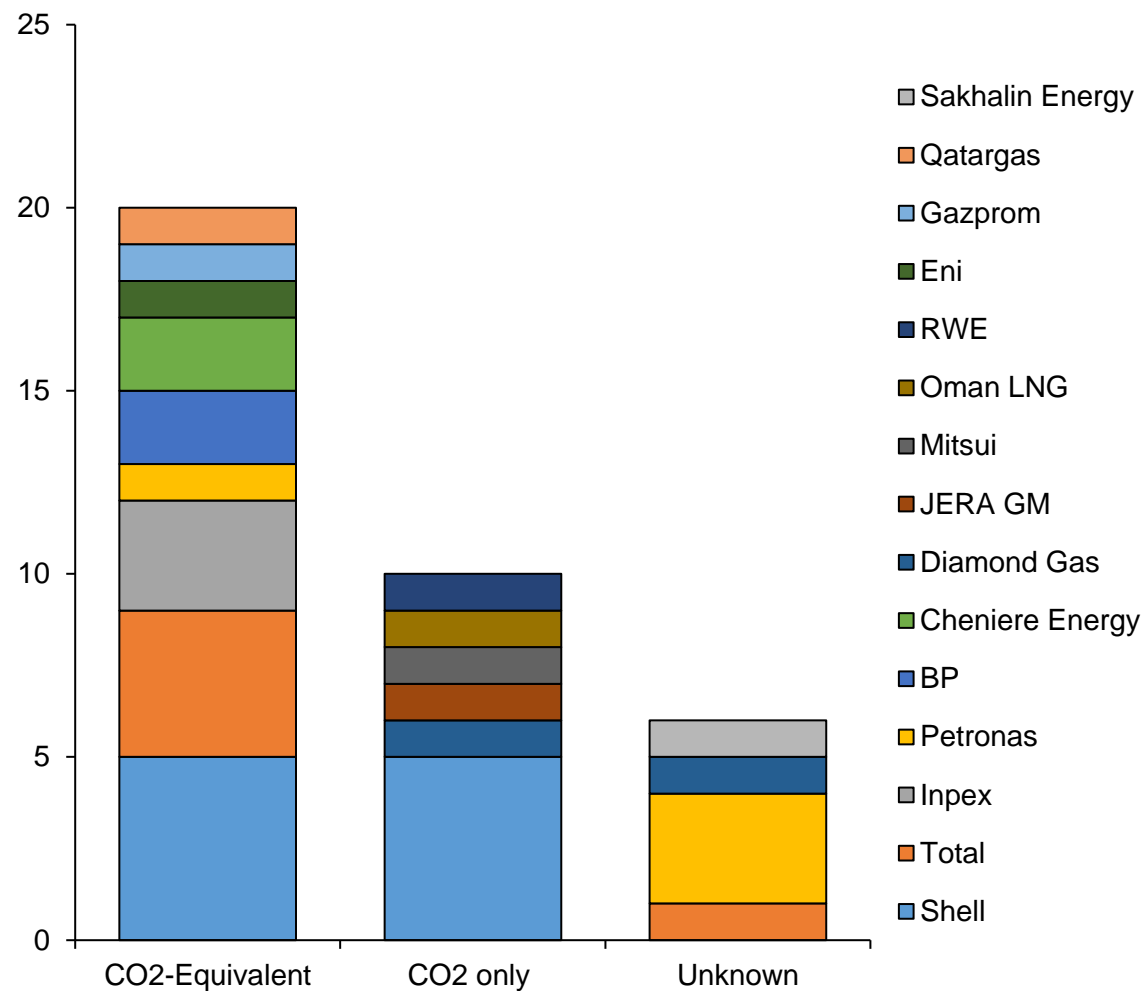
Shows known carbon offset transactions, includes 1 delivery under the Shell-PetroChina carbon neutral SPA and 2 pending deliveries from Petronas to Shenergy  
 Source: Rystad Energy LNGMarketCube, Rystad Energy GasMarketCube

# Carbon offset LNG is not yet scaling or standadizing

Carbon offset LNG deals by GHG emission scope  
Count



Carbon offset LNG deals by seller  
Count

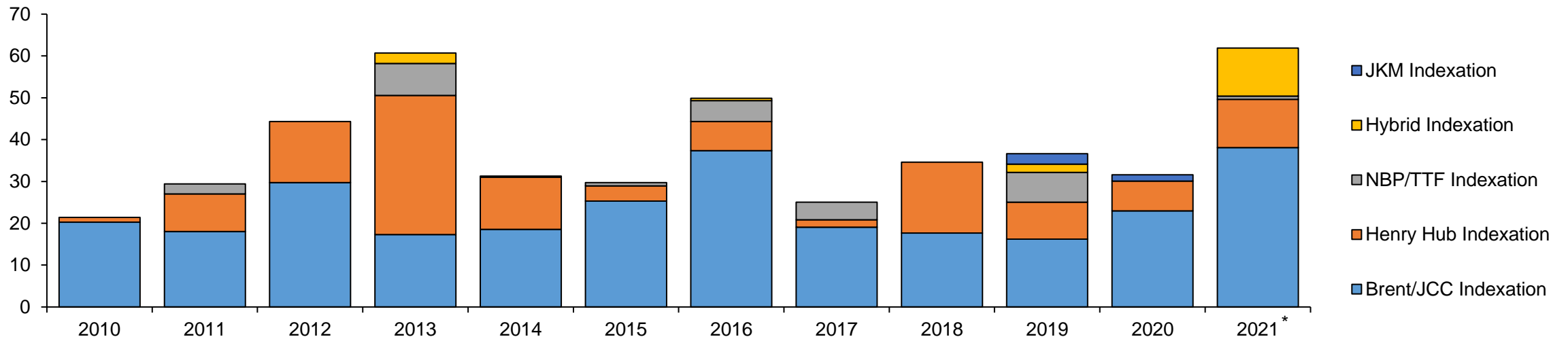


Source: Rystad Energy LNGMarketCube

# LNG term contracts are back in fashion, with new norms

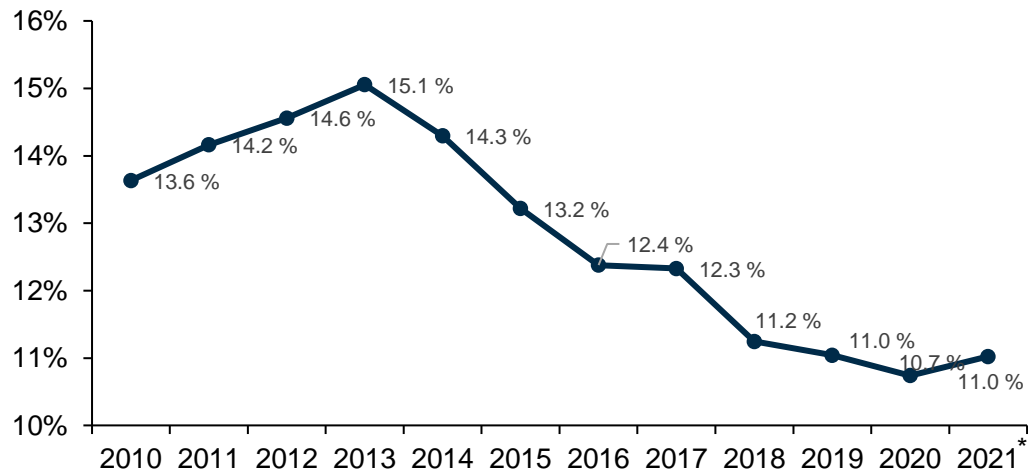
## LNG SPA volume by signed year and price indexation

Million tonnes per annum



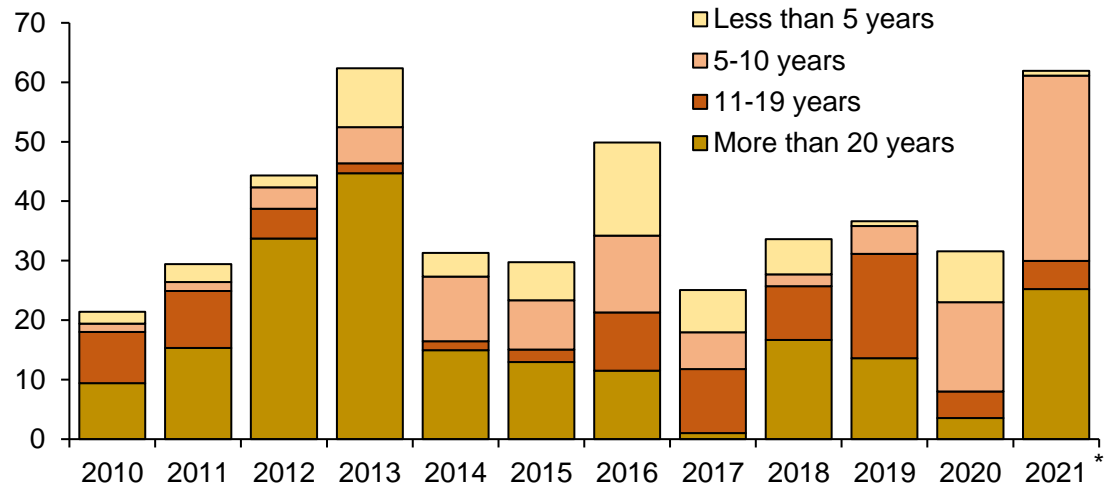
## LNG SPAs Brent / JCC indexation

%



## LNG SPA volume by signed year and contract duration

Million tonnes per annum

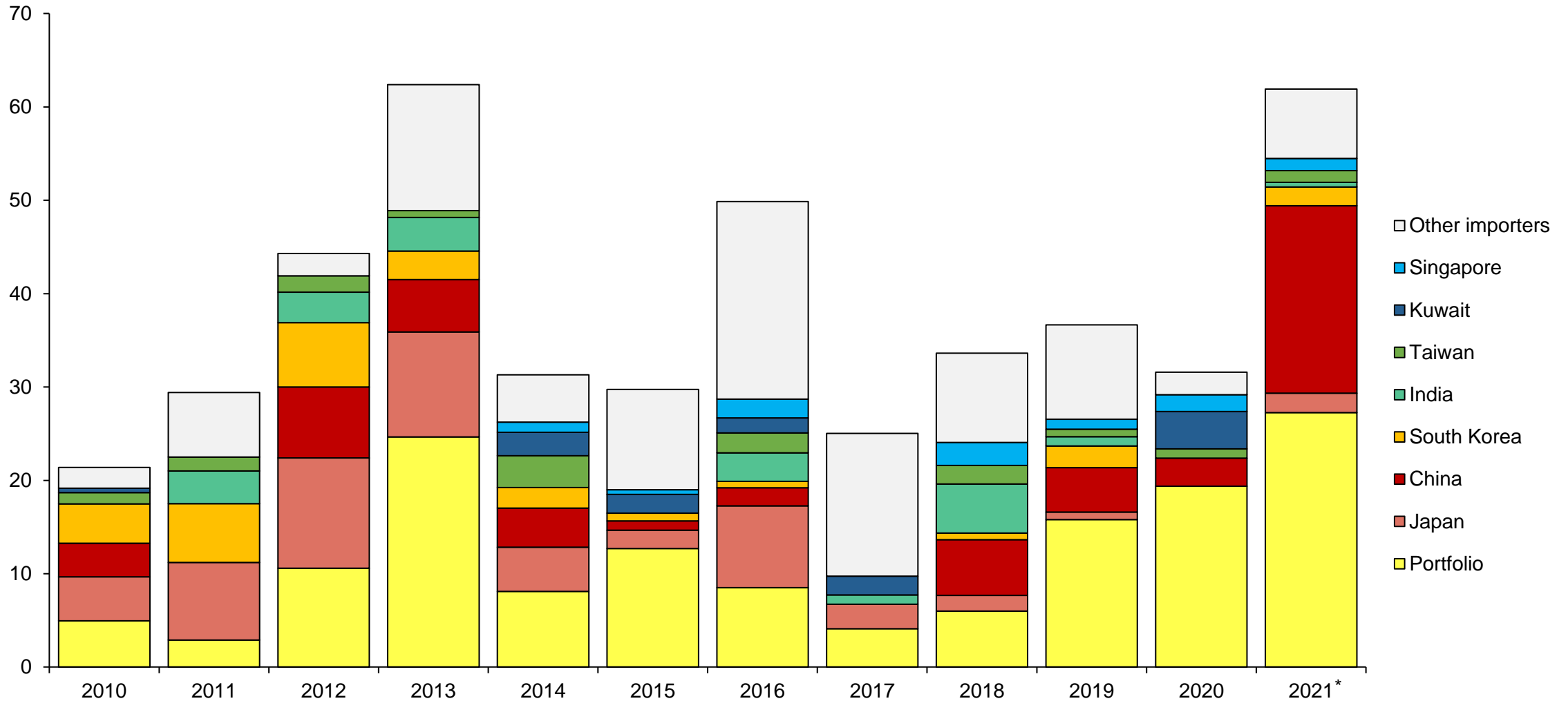


\* 2021 refers to contracts signed till mid-November in 2021

Source: Rystad Energy GasMarketCube, Rystad Energy LNGMarketCube

# China's big LNG appetite – 20 Mtpa long-term contracts were signed so far this year

**LNG SPA volume by signed year and importing country**  
 Million tonnes per annum



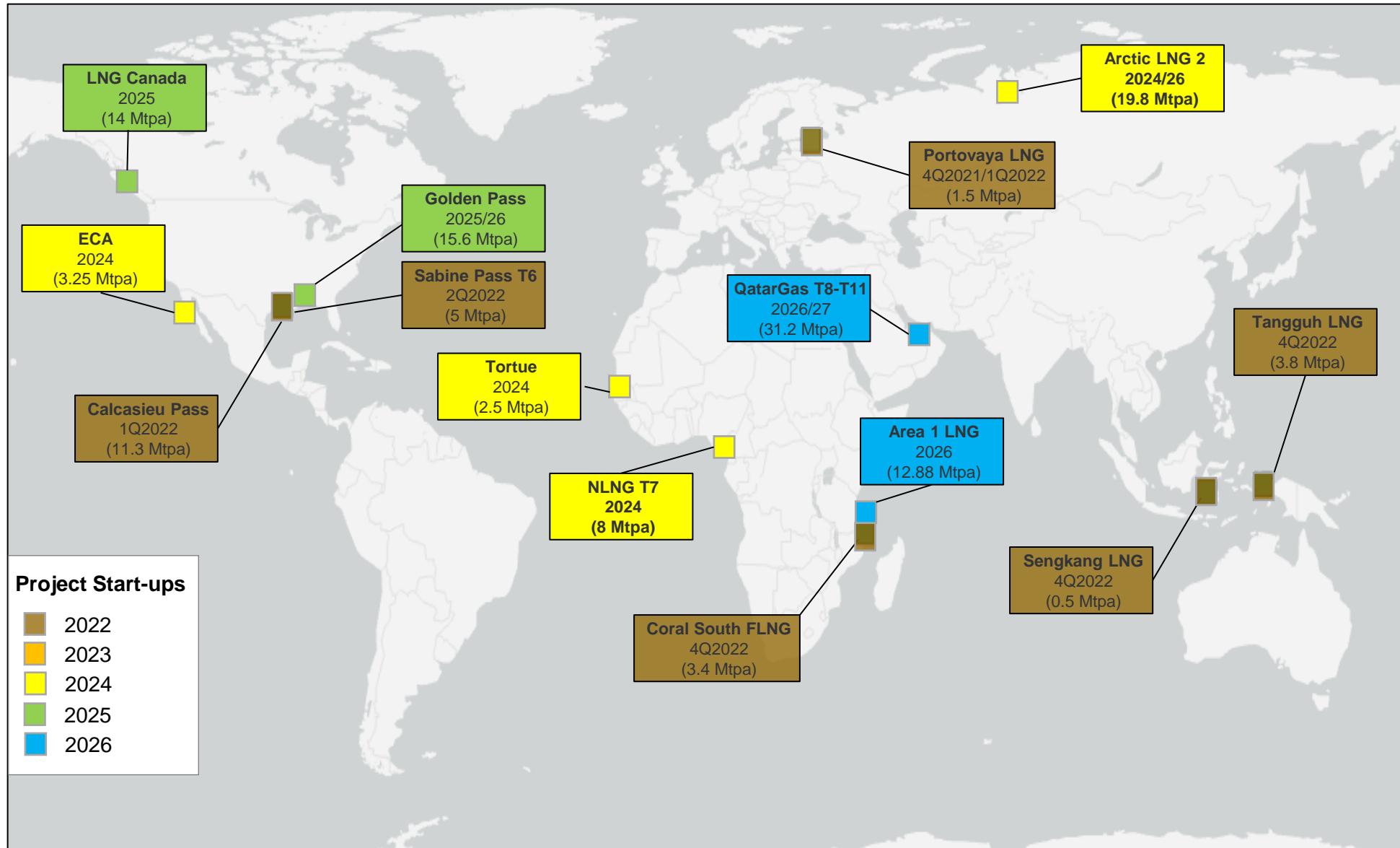
\* 2021 refers to contracts signed till mid-November in 2021

Source: Rystad Energy GasMarketCube, Rystad Energy LNGMarketCube

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# LNG Project start-ups, 2022-2027 – 130 Mt of LNG capacity under construction

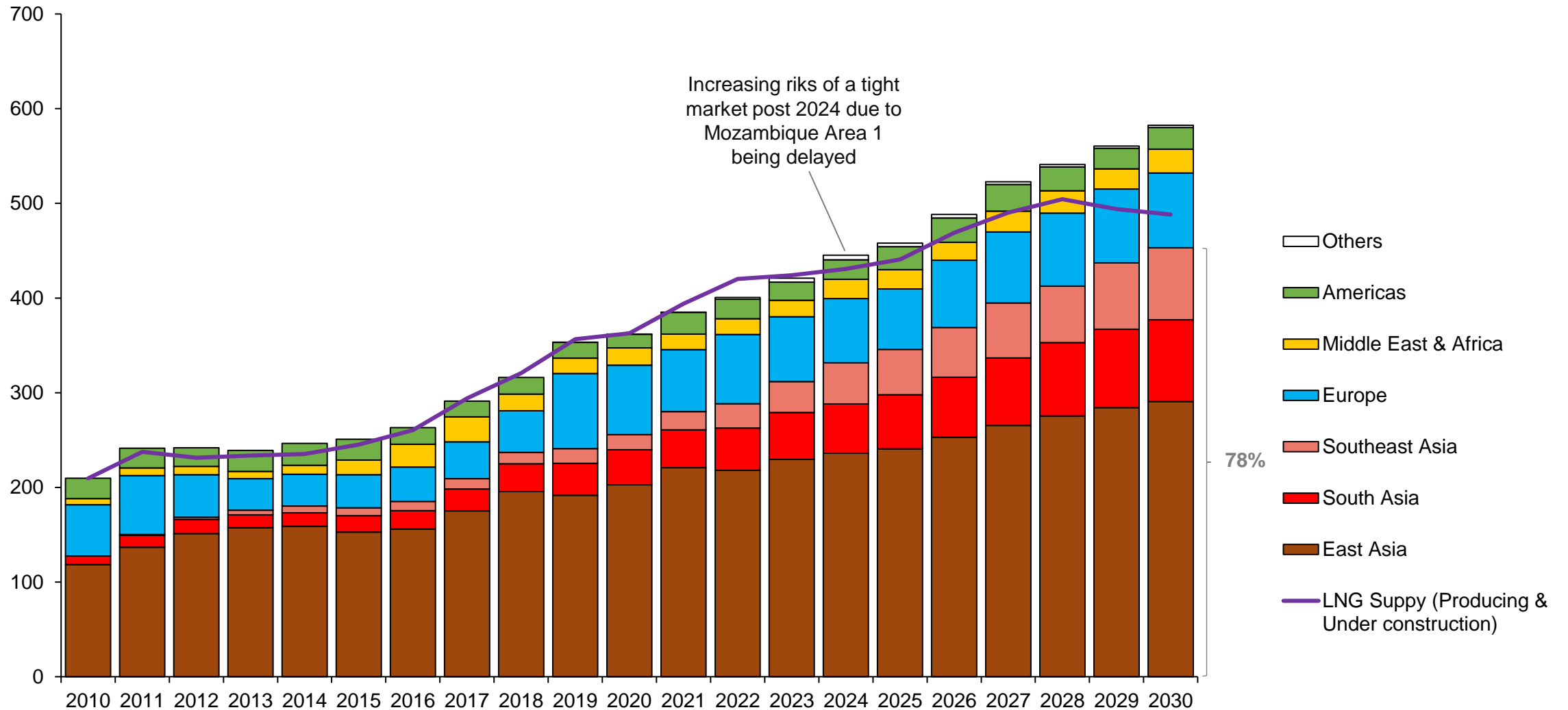


Source: Rystad Energy GasMarketCube

# 580 Mtpa of LNG needed globally by 2030, out of which 78% is from Asia

Global LNG demand by region and LNG supply balance

Million tonnes

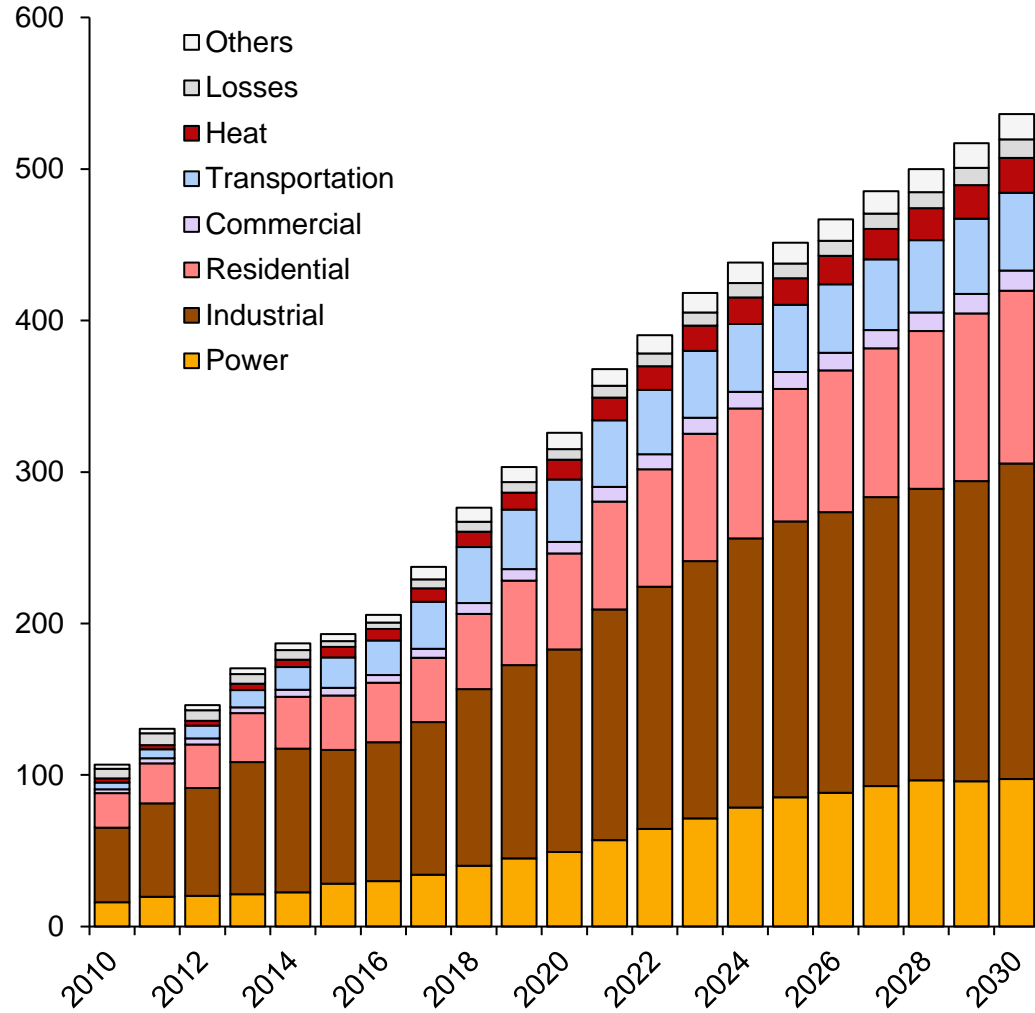


Source: Rystad Energy GasMarketCube

# Flattening production calls for 200+ Bcm of LNG imports in China by 2030

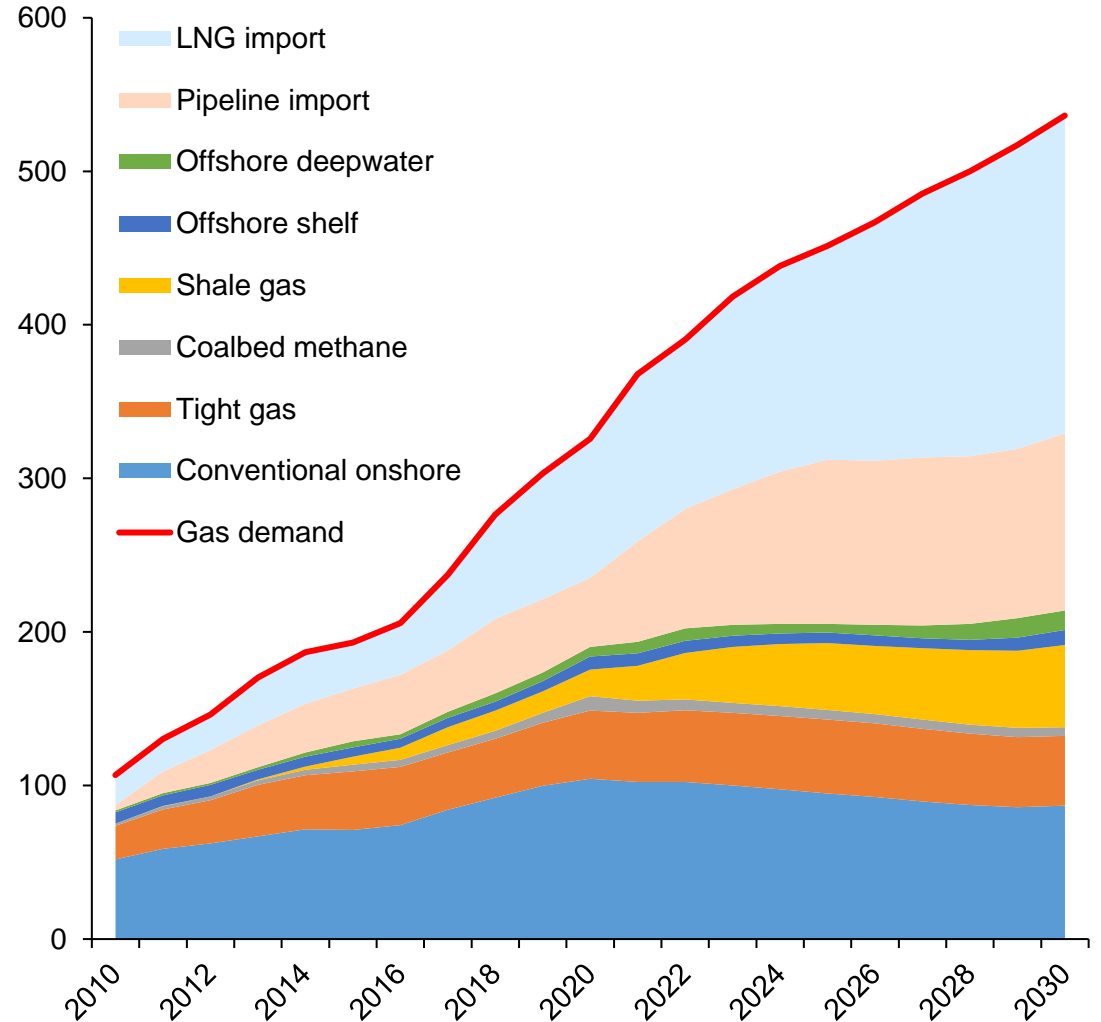
## China gas demand by sector

Billion cubic metres



## China gas supply and demand balance

Billion cubic metres



Source: Rystad Energy GasMarketCube



## RYSTAD ENERGY

**Rystad Energy is an independent energy consulting services and business intelligence data firm offering global databases, strategy advisory and research products for energy companies and suppliers, investors, investment banks, organizations, and governments. Rystad Energy's headquarters are located in Oslo, Norway.**

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