

Commercial Study Groups



INTERNATIONAL GROUP
OF LIQUEFIED NATURAL GAS IMPORTERS

Standardization of LNG transactions

2024 MSPA – Template and Note

Objective

Deliver a standardized **MSPA Template** for both **DES and FOB LNG spot trade**, as the reference for the LNG industry, instead of having various players promote their own MSAs separately.

Task Force



Collaboration of 6 CSG members companies for 1 year to update of the previous GIIGNL template.



Support of an external adviser and Norton Rose Fulbright for incorporation of the updates and quality check.

 **NORTON ROSE FULBRIGHT**

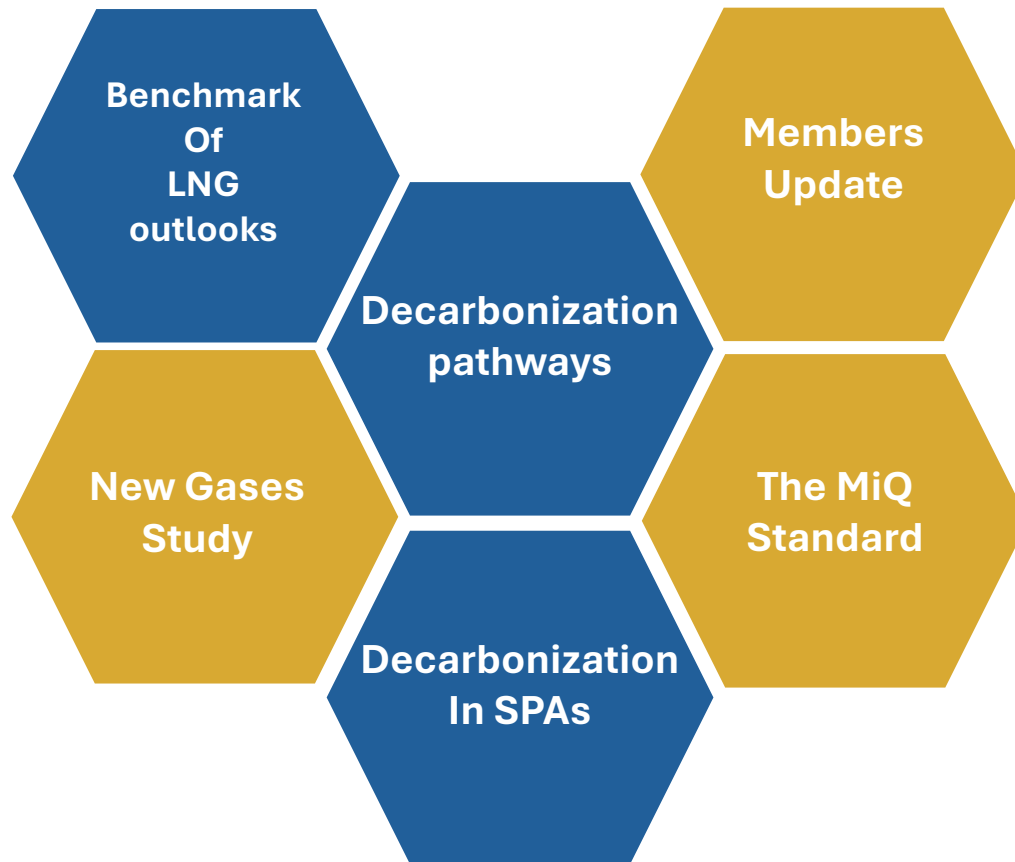
Deliverable: 2024 MSPA

The **new Master Sales and Purchases Agreement template** and its **guidance support** are available on our website Resources.

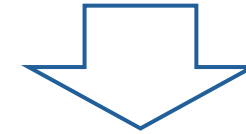


On-line meeting on July 2&3 2024

Revitalizing the CSG around key topics



2 days meeting
~50 participants



2 task forces identified
- New Gases
- Decarbonization pathways



New Gases Study

Objectives

- Analyze and compare, in different source-destination combinations, the efficiency and levelized costs of



- Develop an Excel-based tool that calculates levelized costs using CAPEX, OPEX, and load factors
- Explore various options for CO₂ sources in the production of e-methane, including Carbon Capture and Storage (CCS) and biogenic sources
- Provide insights into CO₂ transportation costs related to the green gases value chain
- Analyze the greenhouse gases footprint of the different value chains
- Deliver regional forecasts for production, flows, imports and consumption by region up to 2050 for selected corridors

New Gases
Study

US Gulf Coast



North Africa



Middle East



Australia



European
Union



Japan

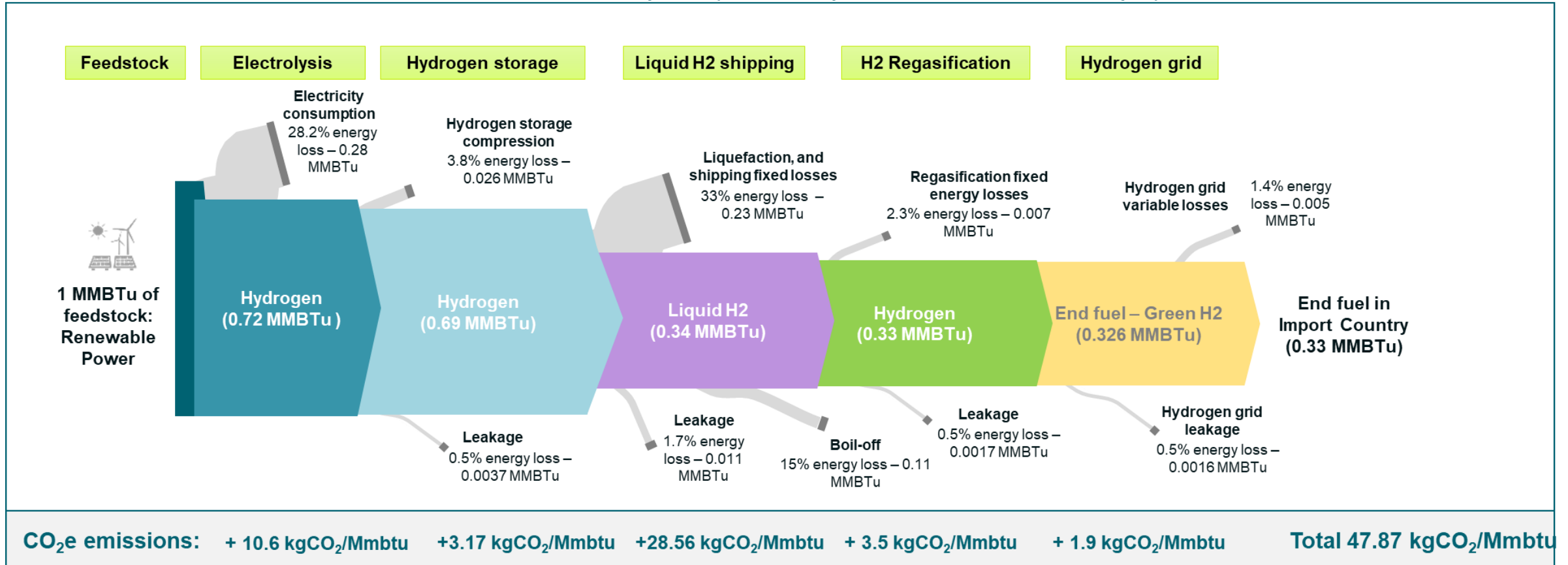


New Gases Study

Value Chain description

New Gases
Study

2030 Value Chain of Green H2 Liquefied (35,000km representative of Gulf Coast to Japan)



New Gases Study

Leverage Costs of production and delivery costs

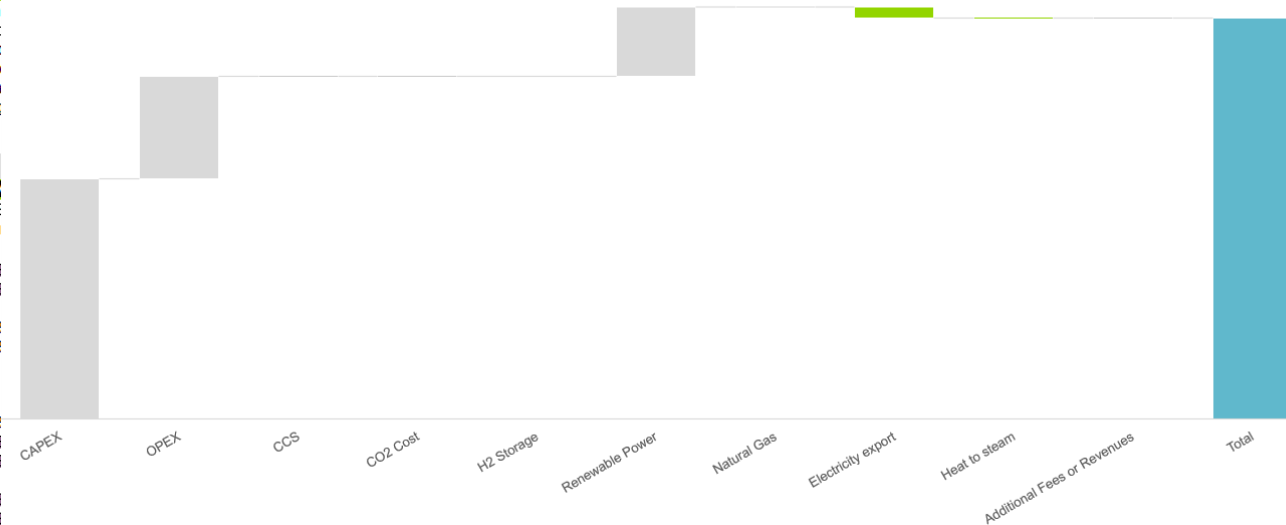
New Gases
Study

Levelised cost of Green Hydrogen produced in US Gulf Coast during 2030 (\$/MMBtu)

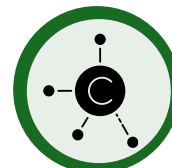
Value Chain Configuration		
	Input	Explanation
Production Country	US Gulf Coast	Picking the production country ch
Import Country	Europe	Picking an import country will upc
Year	2030	Increase in production year dem
Gas	Green Hydrogen	Each gas has its own process fl
Delivery Method	Piped	Only blue and green hydrogen ca
Electricity Cost Scenario	Lower Bound	Global \$/MWh LCOE value chang
CO2 Tax Scenario	EUHigh Case	Updating this will add carbon tax

Technoeconomic Parameters		
Cost Category & Technology	Default Value	User Input
WACC	8%	
Depreciation period	15	
CAPEX_Electrolyser	\$1 134	
CAPEX_None		
O&M % of CAPEX_Electrolyser	5.0%	
O&M % of CAPEX_None		
Efficiency_Electrolyser	72%	
Efficiency_None		
Capacity Factor_Electrolyser	21%	
Cost of Natural Gas	\$5.2	
Cost of RES	\$21.0	
RES Curtailed or not	RES Sold to Grid	RES Sold to Grid
Price of Electricity export_RES_US Gulf Coast	\$15.00	
Price of heat to steam_e-methane_US Gulf Co	\$20.00	
Additional fees	\$0.0	

Oversizing Scenarios		
Scenario	Default	User Input
Enlarge of RES to Electrolyser	Electrolyser	Electrolyser
Enlarge of Electrolyser to Ammonia production	Oversizing_Liquefaction	Oversizing_Liquefaction
Enlarge of Electrolyser to E-methane production	Electrolyser	Electrolyser
	Oversizing_Ammonia Production	Oversizing_Ammonia Production
	Electrolyser Oversizing_E-Methane Production	Electrolyser Oversizing_E-Methane Production



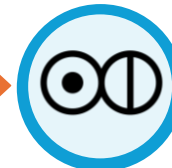
LNG



E-methane



Hydrogen



e-Ammonia



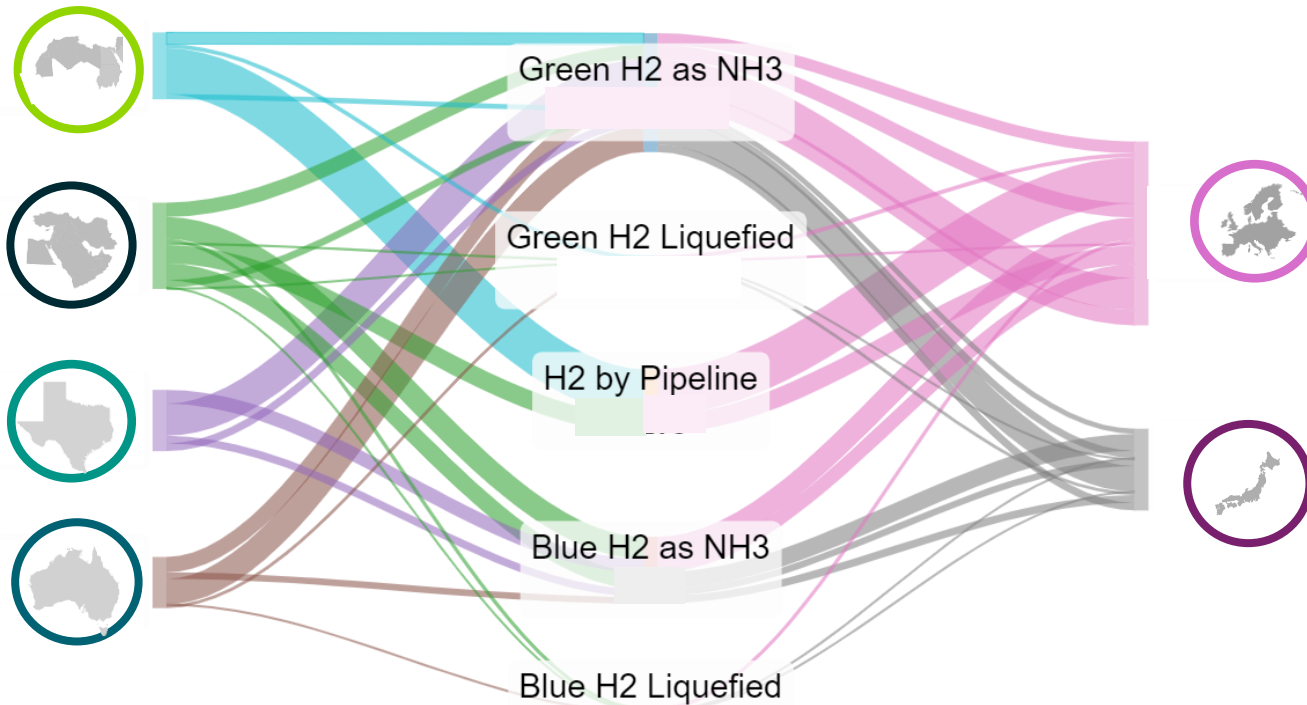
Bio-LNG



New Gases Study

Leverage Costs of production and delivery costs

New Gases
Study



Task force objectives

- Review assumptions and design other case(s) such as storage and oversizing
- Go further with geographical scope of results (current corridors US gulf coast, North Africa, Middle East and Australia to European Union and Japan)
- Build communication materials based on the current study and its potential extensions"

Looking ahead to 2025

Revitalizing the F2F CSG meetings

Launch the 2 task forces that were identified at the 2024 CSG:

- *New Gases.*
- *Decarbonization pathways.*

Next F2F joint CSG/TSG.

- *Hosted by EGE Gaz in May 2025.*

Call for volunteers:

- *Nominate members to the CSG (and TSG).*
- *Volunteer to hold the “Fall” 2025 F2F CSG/TSG and “Spring” 2026 F2F CSG/TSG. Please reach out to us so we can outline the requirements and cost implications.*

