



ENTSOLOG's role in Security of Supply and the Energy Transition

GAZ-SYSTEM Forum, 30 September 2022

Piotr Kus, General Director

Our Members: From Across Europe



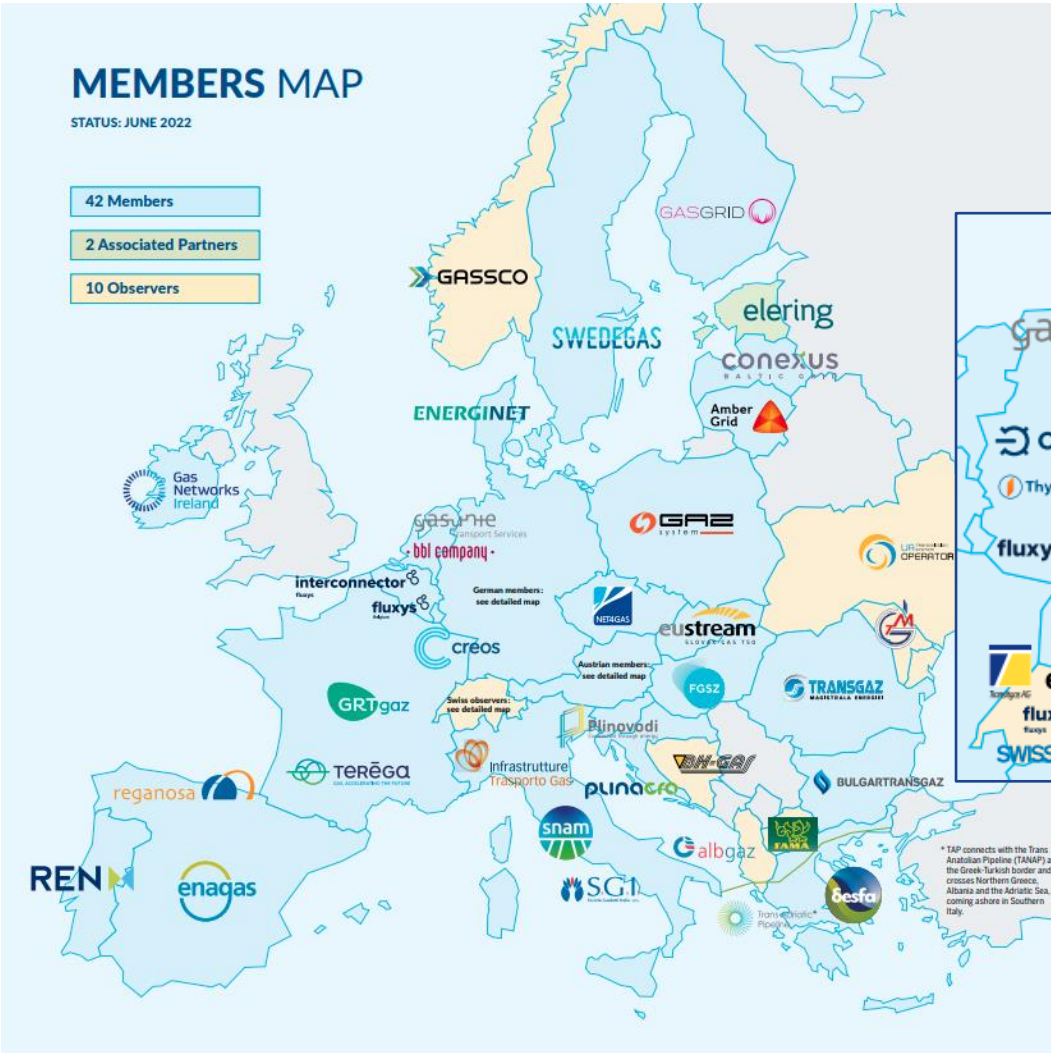
MEMBERS MAP

STATUS: JUNE 2022

42 Members

2 Associated Partners

10 Observers



42 TSO Members



2 Associated Partners



10 Observers

A Selection of Our Activities

TYNDP

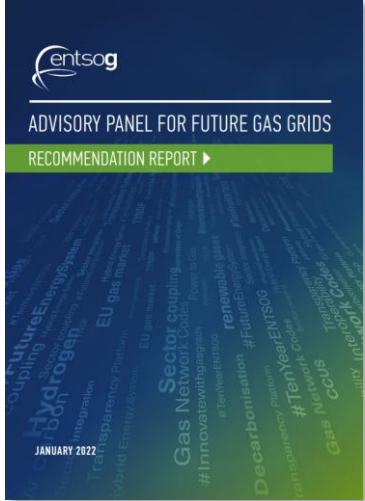
Outlooks

Network Codes

Monitoring

Platforms

Future Energy System



Assessing the functionality and operation of European gas markets

Development of TYNDP and Scenarios

Delivering operational tools to ensure network security and reliability

Decarbonising gas grids

Safe gas for a save winter and ENTSOG deliverables



“Save gas for a safe winter”

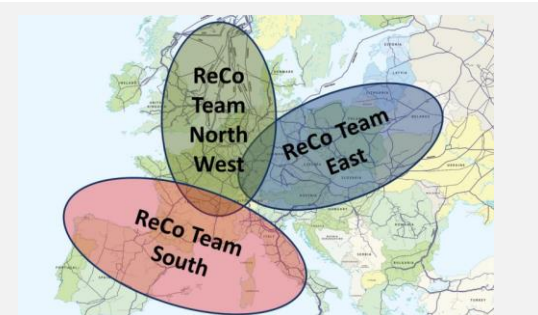
- Voluntary gas demand reduction of Member States by 15% from 1 August 2022 to 31 March 2023 – if alert is triggered, mandatory reductions take place.

Reduction of energy consumption in general

- European Commission proposal “Emergency intervention to address high energy prices” – reducing electricity consumption to save gas as well

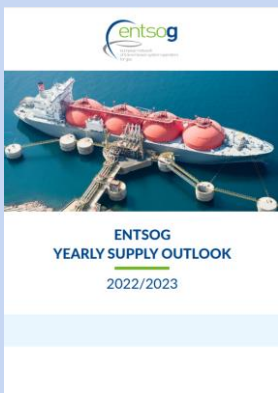
We facilitate ReCo-Calls (Regional Coordination) for exchange between TSOs.

Concerning SoS, ENTSOG is in contact with European Commission, Gas Coordination Group and ACER.

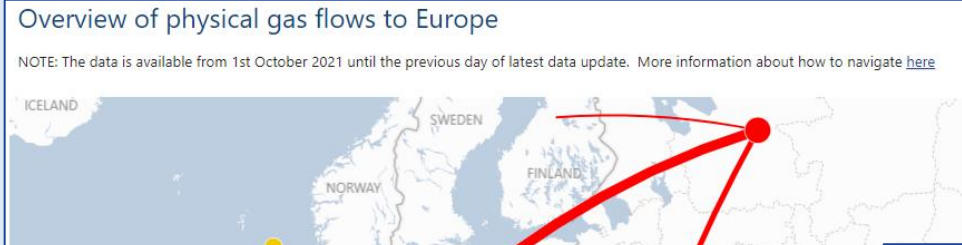


ENTSOG: Yearly Supply Outlook 2022/2023

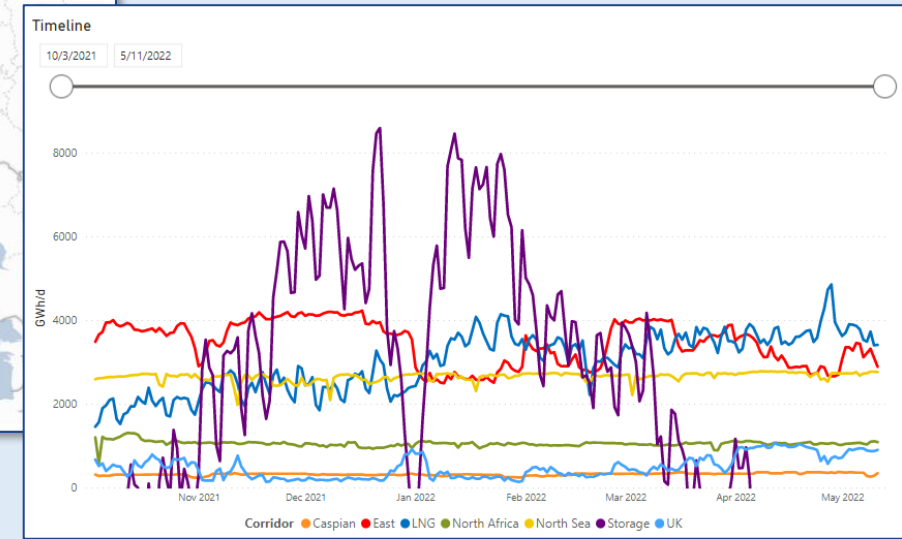
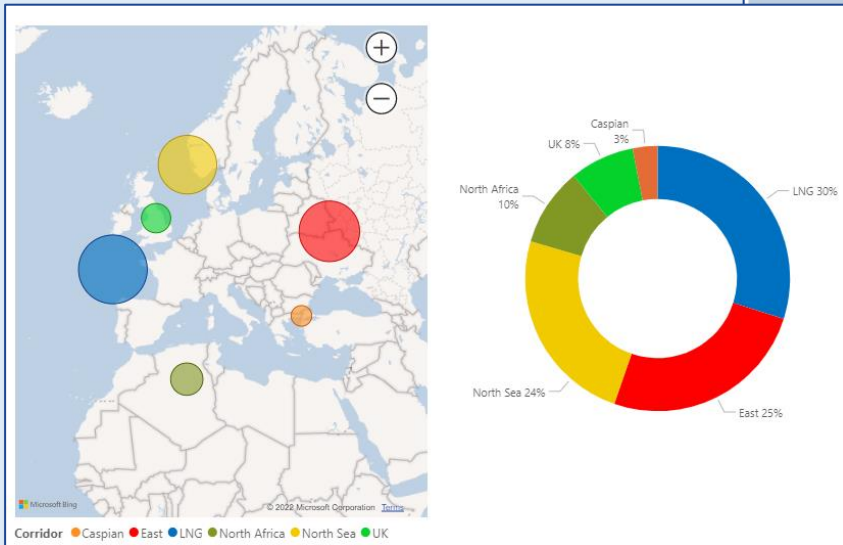
- Of utmost importance that all European storages continue to inject gas as much as possible
- Capacity enhancement in Europe can additionally improve the cooperation possibilities between Member States
- Additional LNG volumes available on the global market can allow for an additional 12 bcm of imports in Winter 2022/2023
- Preparedness for Winter 2023/2024 is needed, so storages are not depleted next April.



European Gas Flow Dashboard



Platform functions and status, September 2022



European Gas Flow Dashboard

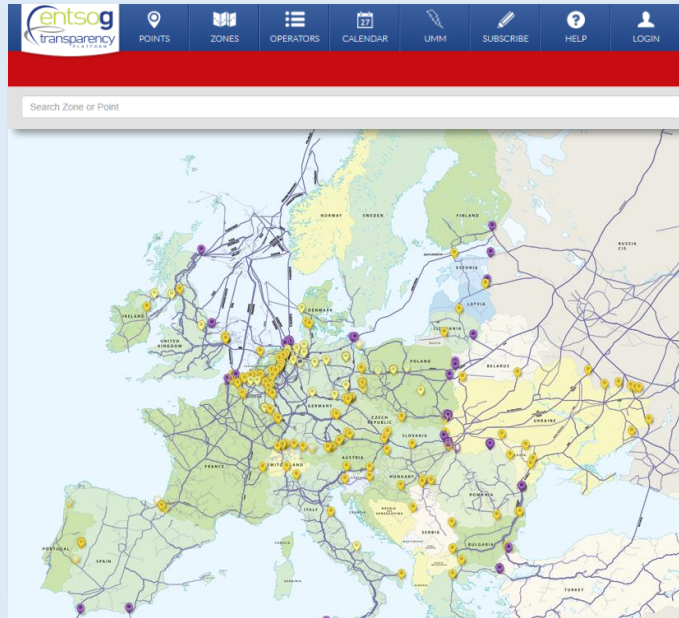
Physical flows to Europe and gas supply corridors

<https://gasdashboard.entsog.eu/>

ENTSOG platforms for communicating with the markets



On current flows and security of supply



Transparency platform

See network data of European TSOs

<https://transparency.entsog.eu/>

On the future of the gas grids in the energy transition

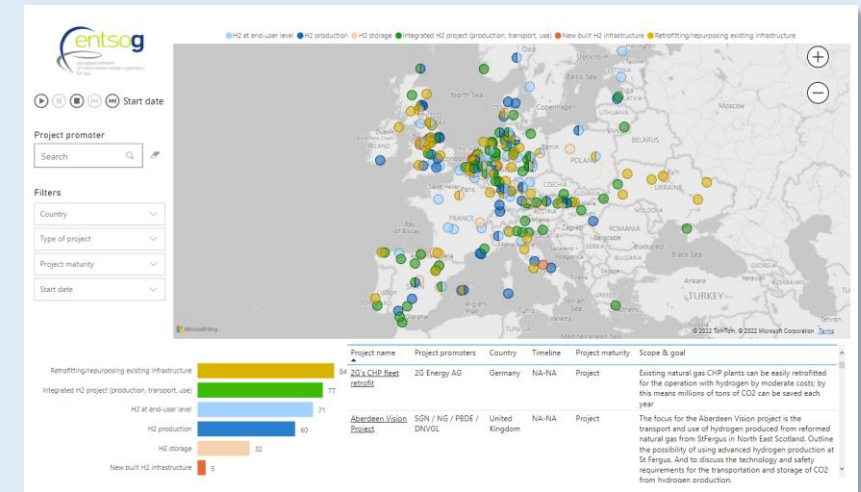


Innovative projects platform

Find decarbonised TSO projects:
e.g. hydrogen, CNG, power-to-gas

<https://www.entsog.eu/ipp>

On the future of the gas grids in the energy transition



Hydrogen visualization platform

Interactive map of renewable
and low-carbon hydrogen
projects

<https://h2-project-visualisation-platform.entsog.eu>

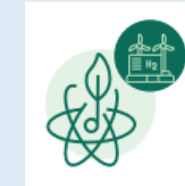
Ramping up the Hydrogen Economy – ENTSOG’s contribution



Hydrogen: ENTSOG’s work for the future



Reaching the hydrogen targets

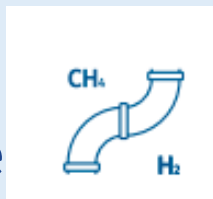


Value chain: Facilitating dialogue



Delivering: Technical aspects – geography, consumers, producers?

Repurposing gas pipelines for H₂ = fastest and most cost effective



Engagement along the whole value chain

Cooperation and coordination at EU level is of utmost importance to create a European market together. We have to build a whole new value chain from scratch - production, transmission to consumption - with the necessary infrastructure (corridors, clusters, terminals).

Robust regulatory framework

We need a toolkit with a clear regulatory framework - giving investors certainty, clear signals, proper incentives and administrative and financial support. Build on the best features of the 3rd Energy Package: liquidity, open access, transparency, synergies.

Use synergies and efficiency - time is key

Decarbonisation is more effective with Energy System Integration.

We need to use all possible advantages. Repurposing and retrofitting existing infrastructure is the most cost-effective way to build the hydrogen grid and develop a hydrogen backbone.

Maintain Security of Supply throughout the transition

Security of Supply is needed at all times for gas and hydrogen. A long-term holistic energy policy focuses on all three energy pillars - energy security, sustainability and affordability.



Thank you for your attention

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