

Picture courtesy of Gas Connect Austria

# The role of the natural gas network with regard to hydrogen imports

**Epico, Brussels**

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# Our Members: From Across Europe



44 TSO Members



1 Associated Partner



10 Observers

# A Selection of Our Activities

TYNDP

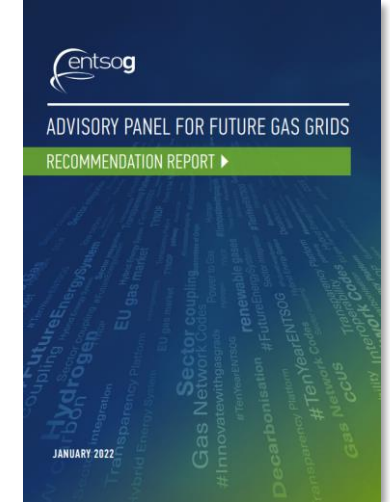
Outlooks

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

- REPowerEU lays out ambitious targets for imports and EU production. We will have small hydrogen valleys and clusters. Imports are also needed to satisfy demand.
- **To have a functioning and reliable EU hydrogen market, an overall grid infrastructure reliably connecting all players is key.**

The grid will enable flexible transports, Security of Supply and imports.

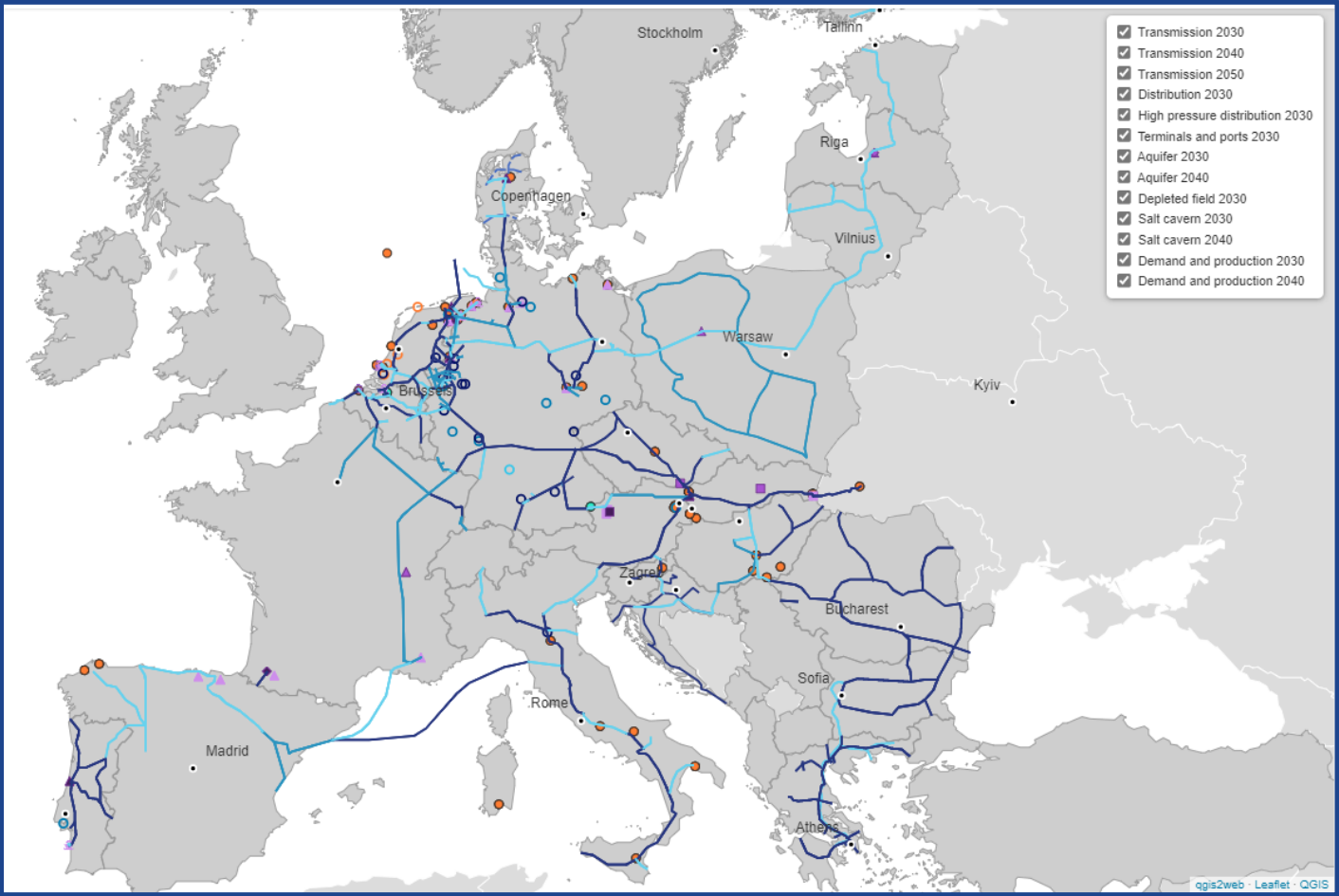
Repurposing existing infrastructure will develop this grid in the most cost-efficient and quick way.

# REPowerEU: Gas and Hydrogen



- Potential hydrogen corridors laid out by REPowerEU
- Direction West-to-East – infrastructure is robust
- ENTSOG supports this objective by mapping the hydrogen infrastructure with relevant stakeholders.

# Hydrogen Infrastructure Map



## Key numbers

> 220

Total number of hydrogen projects

> 40

Hydrogen storage projects

> 120

Hydrogen transmission and distribution projects

> 10

Hydrogen terminals & ports projects

> 40

Hydrogen demand and production projects

<https://www.h2inframap.eu/>

- **Infrastructure is key**
  - Connecting production and consumption, enabling imports
  - Ensuring access to the hydrogen network and the commodity
  - Developing a hydrogen backbone to make REPowerEU targets possible
- **Create a clear regulatory framework**
  - Investments need to be taken now. Support investment decisions with a clear, robust framework.
- **Think efficiently. Think together.**
  - Use synergies to speed up the process. Plan together.



Thank you for your attention

Piotr Kus

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