

# “Old” TEN-E REGULATION (347/2013)

REGULATION (EU) No 347/2013 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 17 **April 2013** on guidelines for trans-European energy infrastructure and repealing Decision No 1364/2006/EC and amending Regulations (EC) No 713/2009, (EC) No 714/2009 and (EC) No 715/2009



DECISION OF THE MINISTERIAL COUNCIL OF THE ENERGY COMMUNITY D/**2015**/09/MC-EnC: on the implementation of Regulation (EU) No 347/2013 of the European Parliament and of the Council on guidelines for trans-European energy infrastructure



# REVISED TEN-E REGULATION (2022/869)

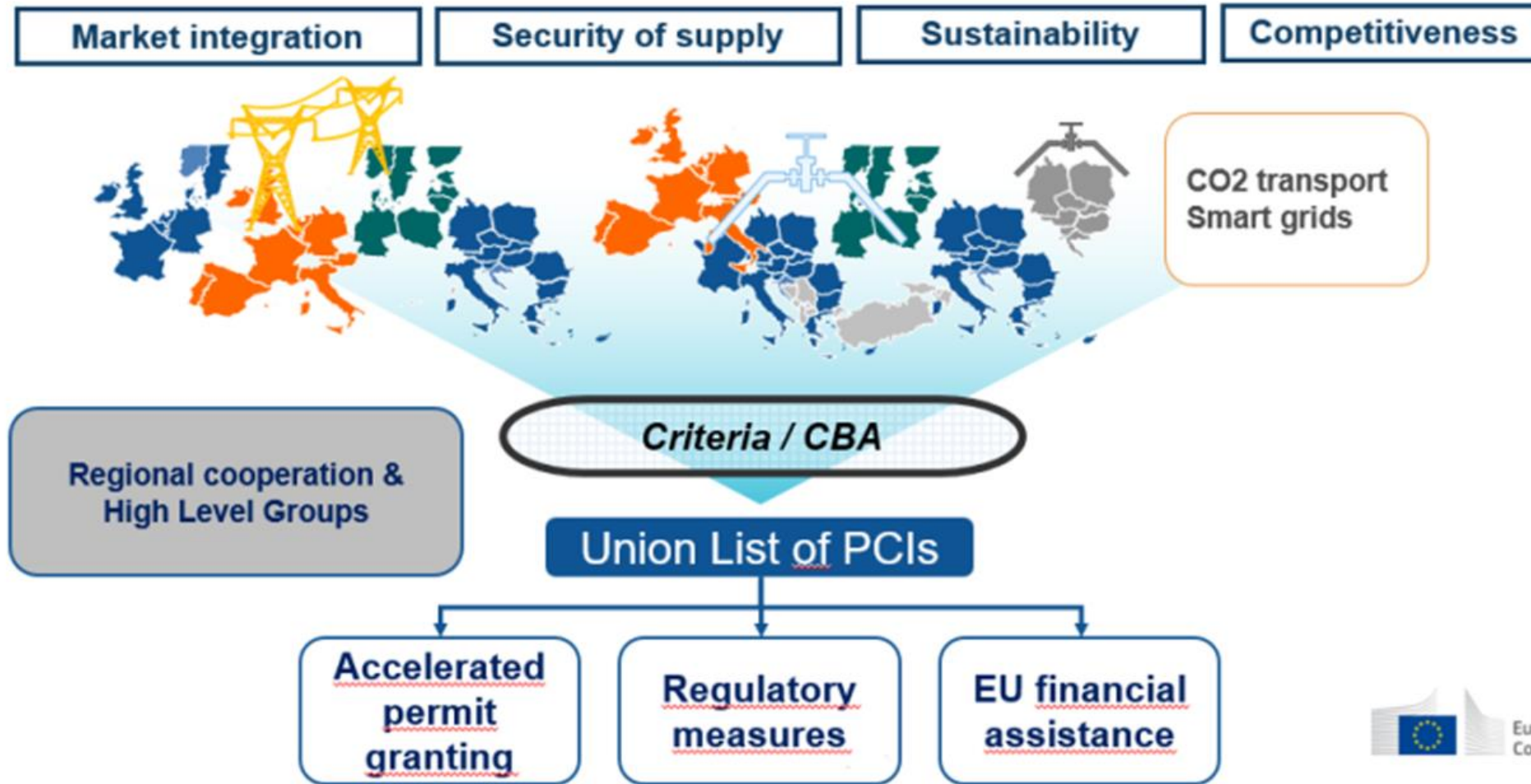
REGULATION (EU) 2022/869 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 30 **May 2022** on guidelines for trans-European energy infrastructure, amending Regulations (EC) No 715/2009, (EU) 2019/942 and (EU) 2019/943 and Directives 2009/73/EC and (EU) 2019/944, and repealing Regulation (EU) No 347/2013



MINISTERIAL COUNCIL DECISION 2023/02/MC-EnC of 14 December **2023** amending Annex I to the Energy Community Treaty to adapt to and adopt Regulation (EU) 2022/869 on guidelines for trans-European energy infrastructure and amended by **MINISTERIAL COUNCIL DECISION 2023/03/MC-EnC of 14 December 2023** amending Article 2(2) of the Energy Community Treaty



# THE TRANS-EUROPEAN ENERGY NETWORKS POLICY



Source: European Commission - Webinar: The revised TEN-E Regulation, 10 May 2022

# ELIGIBLE INFRASTRUCTURE CATEGORIES RELATED TO GAS(ES)

## Hydrogen

Old TEN-E

Revised TEN-E

### Criteria for hydrogen projects

- No provisions

### Criteria for hydrogen projects

***sustainability**..., and the project contributes significantly to at least one of the following specific criteria:*

- *market integration*
- *security of supply and flexibility*
- *competition*



# ELIGIBLE INFRASTRUCTURE CATEGORIES RELATED TO GAS(ES)

## Electrolysers

Old TEN-E

Revised TEN-E

### Criteria for electrolyser projects

- No provisions

### Criteria for electrolyser projects

- **sustainability**, including by reducing greenhouse gas emissions and enhancing the deployment of renewable or low-carbon hydrogen in particular from renewable sources, as well as synthetic fuels of those origins;
- **security of supply**, including by contributing to secure, efficient and reliable system operation, or by offering storage, flexibility solutions, or both, such as demand side response and balancing services;
- **enabling flexibility services** such as demand response and storage by facilitating smart energy sector integration through the creation of links to other energy carriers and sectors;

# ELIGIBLE INFRASTRUCTURE CATEGORIES RELATED TO GAS(ES)

## Smart gas grids

Old TEN-E

- digital systems and components integrating ICT
- control systems and sensor technologies
- equipment to enable reverse flows from the distribution to the transmission level and installations for integration of low-carbon and particularly renewable gases

Revised TEN-E

### Criteria for smart gas grid projects

- No provisions

### Criteria for smart gas grid projects

*the project contributes significantly to sustainability by ensuring the integration of a plurality of **low-carbon and particularly renewable gases**, including where they are locally sourced, such as biomethane or renewable hydrogen, into the gas transmission, distribution or storage systems... and following specific criteria:*

- ***network security and quality of supply***
- ***market functioning and customer services***
- ***facilitating smart energy sector integration supply***

# NATURAL GAS INFRASTRUCTURE PROJECTS IN THE REVISED TEN-E



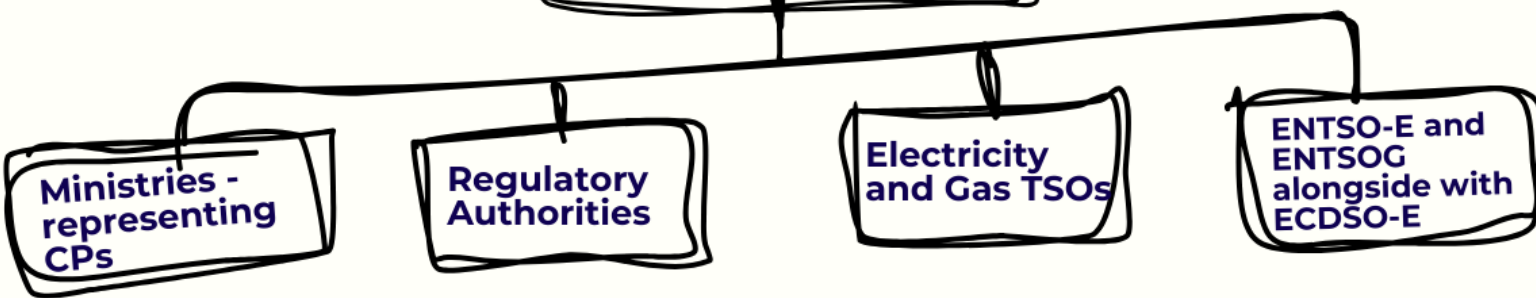
Natural gas PEI and PMI projects in 2020

- Natural gas infrastructure projects **not eligible** for the PEI status anymore.
- **Repurposing** of existing natural gas infrastructure in order to ensure that it is dedicated for the use of pure hydrogen **is eligible**.
- During a transitional period ending on 31 December 2029, dedicated hydrogen assets converted from natural gas assets may be used for transport or storage of a predefined blend of hydrogen with natural gas or biomethane.
- The project promoter shall provide sufficient evidence, including through commercial contracts, how, by the end of the transitional period, the assets will cease to be natural gas assets and become dedicated hydrogen assets, and how the increased use of hydrogen will be enabled during the transitional period.
- Eligibility of projects (conversion of natural gas assets to dedicated hydrogen assets) for Union financial assistance shall end on 31 December 2027.

# PECI SELECTION PROCESS IN 2024 – GENERAL INFORMATION

Electricity and Gases groups established to evaluate projects within the competence of the regulatory authorities

## Members



+ EU Commission and the ECS

1) 4 meetings of the groups were planned: two online and two in hybrid format

2) Preliminary list should be proposed in June (External consultant: EIHP)

3) The draft preliminary lists shall be assessed by the ECRB, in particular on the consistent application of the criteria and cost-benefit analysis

4) The EU Commission is supposed to draft a decision on the PECO list

5) The Ministerial Council shall adopt the first list of projects of Energy Community interest pursuant to this Regulation by 31 December 2024



# NOMINATED GASES-RELATED PROJECTS

Project code	Project promoter 1	Project promoter 2	Project's Name	Category
G01	NOMAGAS JSC Skopje	Public Enterprise Srbijagas Novi Sad	Gas interconnection Serbia - North Macedonia	Hydrogen
G02	Gas Production and Transport Company BH-GAS Sarajevo	-	Internal hydrogen infrastructure in Federation of BiH in connection with H2T Southern Interconnection BiH/ CRO	Hydrogen
G03	Vestmoldtransgaz LLC	-	Increasing capacities on the Trans-Balkan route with the integration of the Hydrogen element	Smart gas grids/hydrogen

The project does **not comply with the general criteria** since this is in fact a natural gas project and therefore is not eligible under the revised TEN-E Regulation. It also only involves one project promoter.

The project does **not comply with the general criteria** since it is an internal project that does not have a cross-border effect on any other CP.

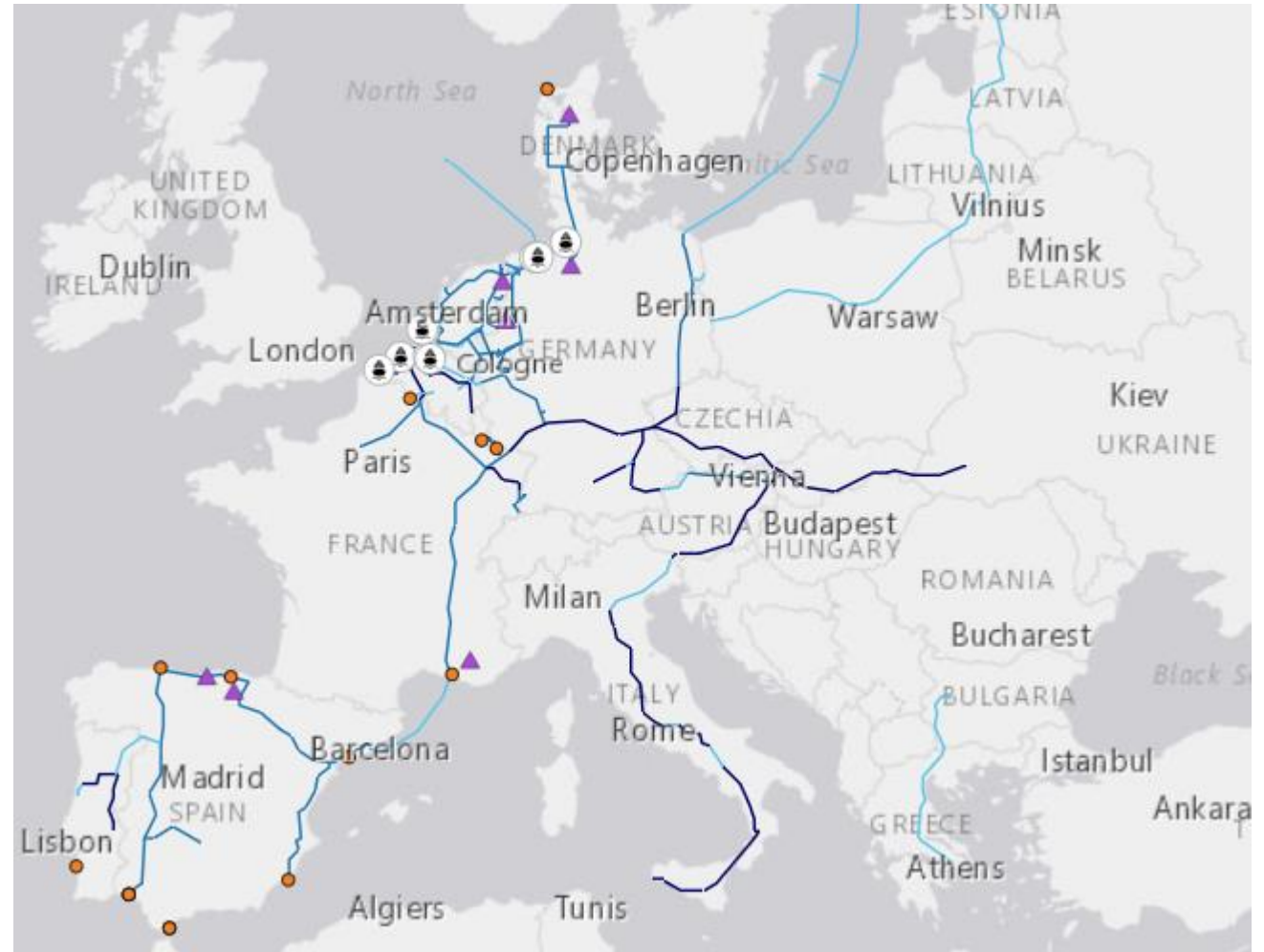
The project does **not comply with the general criteria** since it is not proven that the project is hydrogen ready infrastructure from its commissioning, by which it cannot enter into further eligibility analysis.

**The project must not be a natural gas project no matter of the H2-ready infrastructure**

**The project must have a cross-border impact, at least two project promoters would be preferable**

# EU GASES-RELATED PCI / PMI PROJECTS

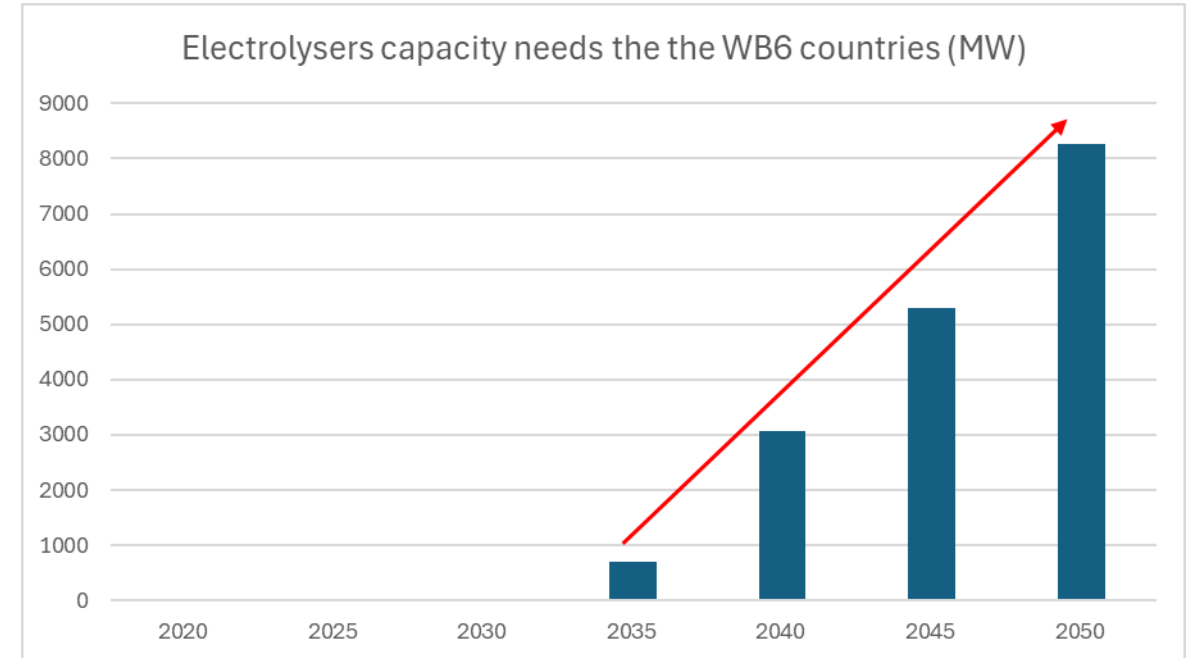
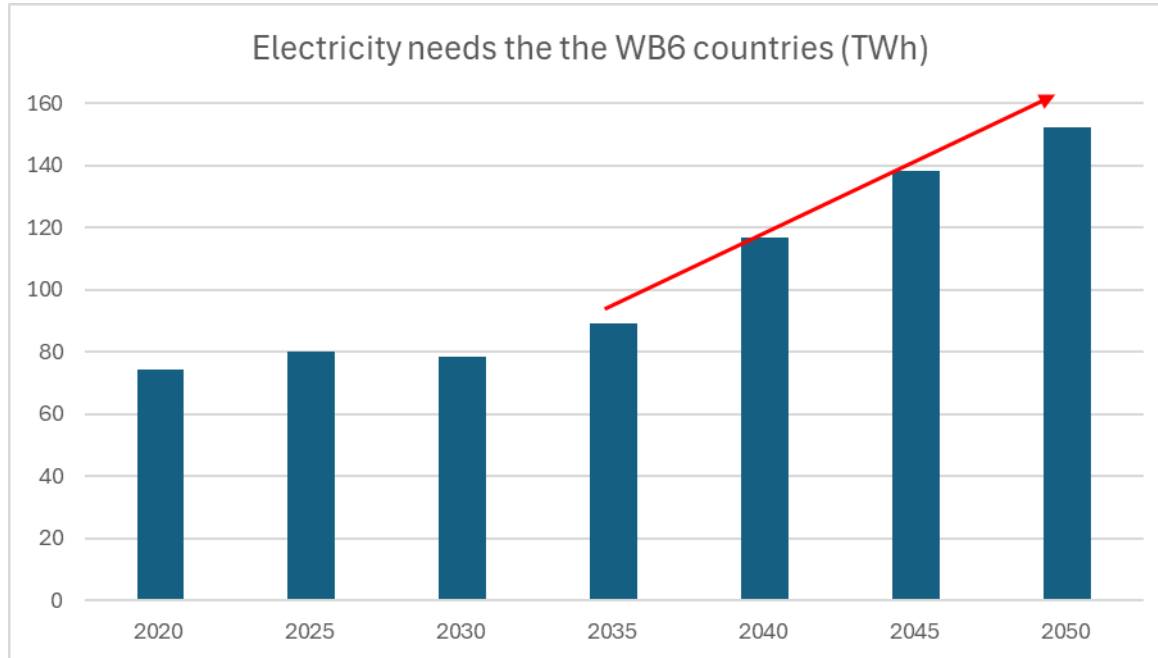
- 65 hydrogen projects out of the 179 submitted have been included on the list:
  - large hydrogen corridors between several countries;
  - internal H2 infrastructure;
  - electrolyzers;
  - ammonia reception facilities;
  - underground storage facilities;
- No eligible smart gas grid projects



## PCI/PMI H2 and electrolyzers projects

Source: Hydrogen Infrastructure Map (<https://www.h2inframap.eu/>)

# FUTURE NEEDS IN THE ENERGY COMMUNITY DUE TO ELECTROLYSERS AND H2 PRODUCTION (EXAMPLE WB6)



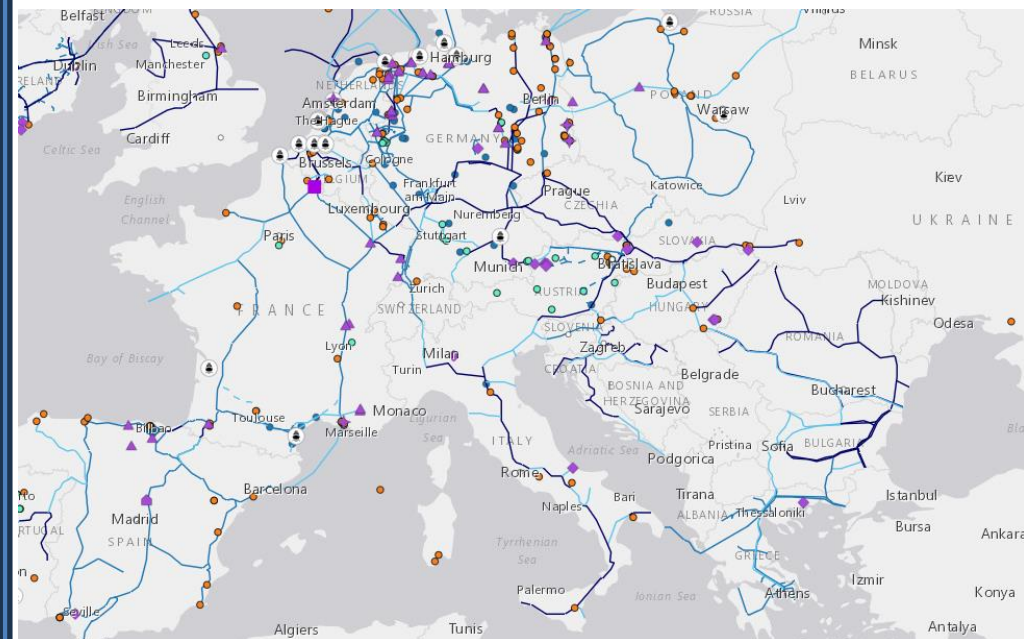
Source: E3Modelling, Study: Modernization, Decarbonization and Resilience - A Regional Transition Roadmap for the Western Balkans

**Electricity consumption is expected to double between 2035 – 2050 mainly due to electrolyzers and H2 production.**

**The capacity of electrolyzers is expected to appear until 2035 (708 MW) and rise to 8261 MW in 2050.**

# CONCLUSIONS

- TEN-E FRAMEWORK **CANNOT** BE USED FOR DEVELOPING NATURAL GAS PROJECTS, EVEN H2 READY.
- TEN-E MAY BE USED FOR **H2 PROJECTS**, NEW OR REPURPOSING THE EXISTING NATURAL GAS INFRASTRUCTURE.
- TEN-E CREATES **OPPORTUNITIES** TO DEVELOP PROJECTS WHICH WILL CONNECT THE EnC CPs WITH THE EUROPEAN H2 NETWORK (for example “Generic corridor aiming to transmit hydrogen from Ukraine to Slovakia, Czechia, Austria and Germany”).
- PROJECT PROMOTERS MUST PAY ATTENTION TO **CRITERIA** DEFINED IN THE TEN-E.
- PROJECT WHICH MAY BE SUPPORTED THROUGH TEN-E MAY APPEAR IN **2035-2050**.
- SHORT AND MID-TERM NEEDS OF NATURAL GAS PROJECTS MAY BE SUPPORTED THROUGH **OTHER SOURCES** (for example CESEC).
- HIGH LEVEL OF **COORDINATION** BETWEEN COUNTRIES IS NEEDED.



**Hydrogen Infrastructure Map**

Source: Hydrogen Infrastructure Map (<https://www.h2inframap.eu/>)





**THANK YOU**  
**FOR YOUR ATTENTION**

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