

Hydrogen Research & Innovation Days
24-25 November 2025



IMAGHYNE PROJECT

A large scale H₂ valley in Auvergne-Rhône-Alpes





Auvergne-Rhône-Alpes: a strong belief in H₂ as a solution to decarbonisation

The deployment of an H₂ economy : an evidence for Auvergne-Rhône-Alpes

- **First producer of renewable energy** (22,7% of national production)
- **First industrial Region in France**
 - 285 companies involved in H₂
 - 36 H₂ pureplayers
 - 1650 employees in the H₂ sector
- **Top market applications :**
 - Energy production
 - Heavy-duty vehicles
- **44 H₂ research facilities**

First steps towards a renewable H₂ economy

Zero Emission Valley (status 2025)



12 refuelling stations (mid 2025)
350 / 700 bars



200 grants for light vehicles
through a call for projects, to be implemented by autumn 2025



More than 80 heavy vehicles by 2027
20 buses or coaches deployed by September 2025



SAS HYmpulsion

**A commercial company with a 27M€ capital
created by public and private stakeholders**

Objective: initiate a renewable H₂ mobility in
Auvergne-Rhône-Alpes through the deployment of
hydrogen refuelling infrastructure



A Regional Hydrogen Strategy (2020)

1. Develop the hydrogen market through mobility and industrial uses
2. Support research and innovation
3. Support the development of the hydrogen industry, as well as adapting skills and training
4. Foster international and European cooperation

Partner of Greenskills4H₂ project

- **Objectif:** pilot trainings to develop skills to meet existing and emerging need for the H₂ sector
- ERASMUS+ program call
- 2022-2026
- Budget: 4 M €



GREEN
SKILLS
FOR
HYDROGEN



IMAGHyNE Project

Investment to Maximise the Ambition of Green Hydrogen in Europe

A large-scale Hydrogen Valley project:

- Winner of the 2023 call of the Clean Hydrogen Partnership
- Coordinated by the Auvergne-Rhône-Alpes Region
- 2024-2029
- 35 partners

A change of scale for a regional hydrogen ecosystem:

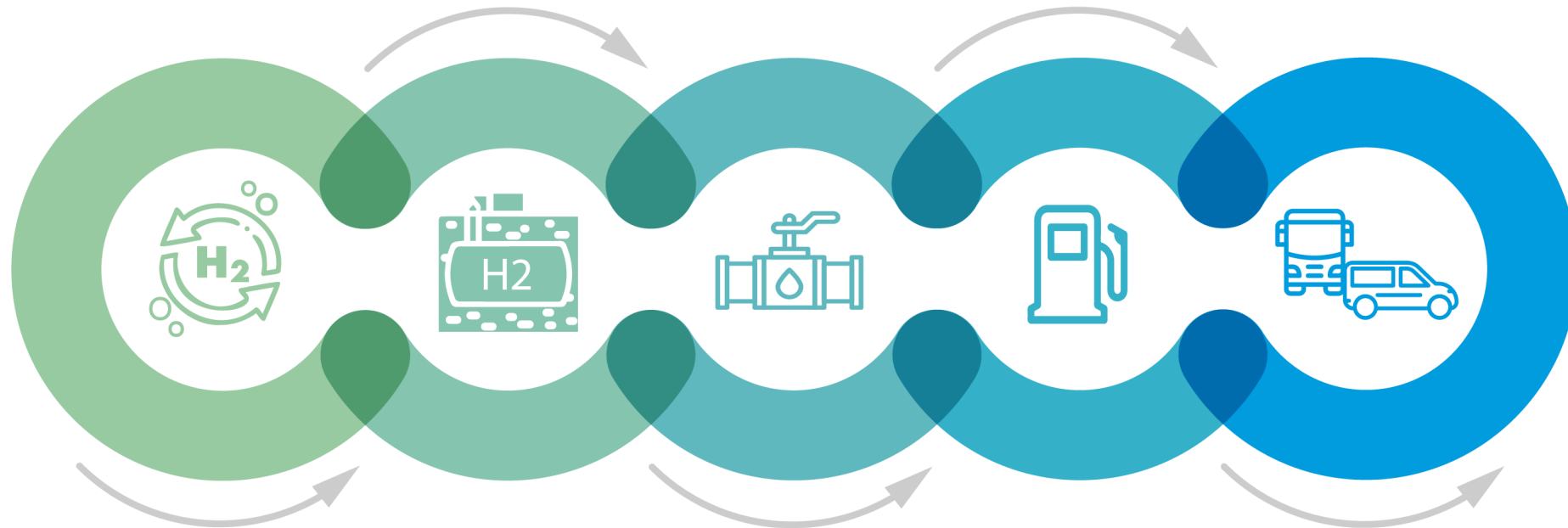
- **Decarbonize** the industry and heavy mobility
- **Cover the whole value chain**
- **Develop** existing synergies within the region and across the entire H² value chain
- **Link the valley to national and European initiatives** to accelerate the deployment of H² technologies (ex. H² Valleys S3 Partnership)

PARTNERS

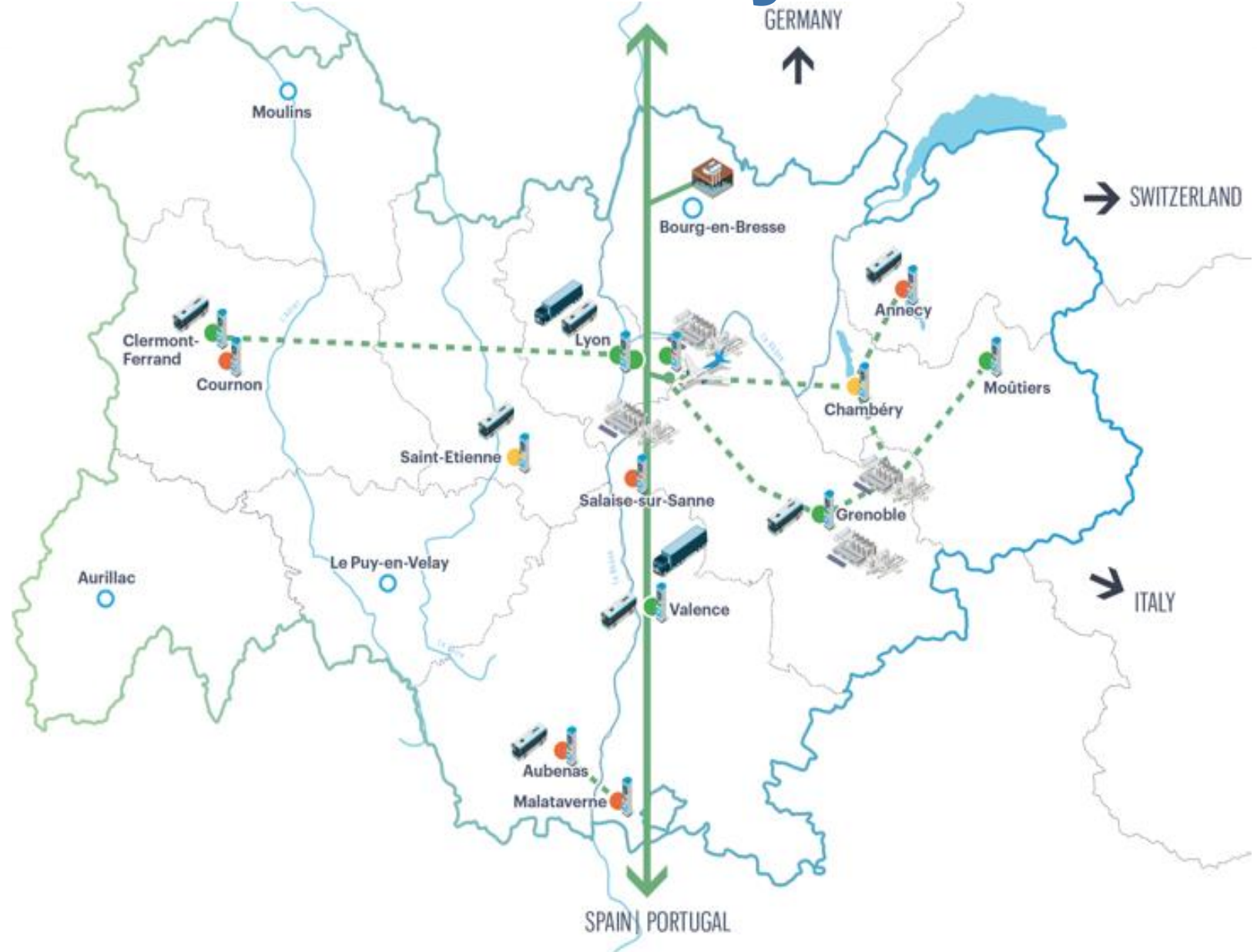
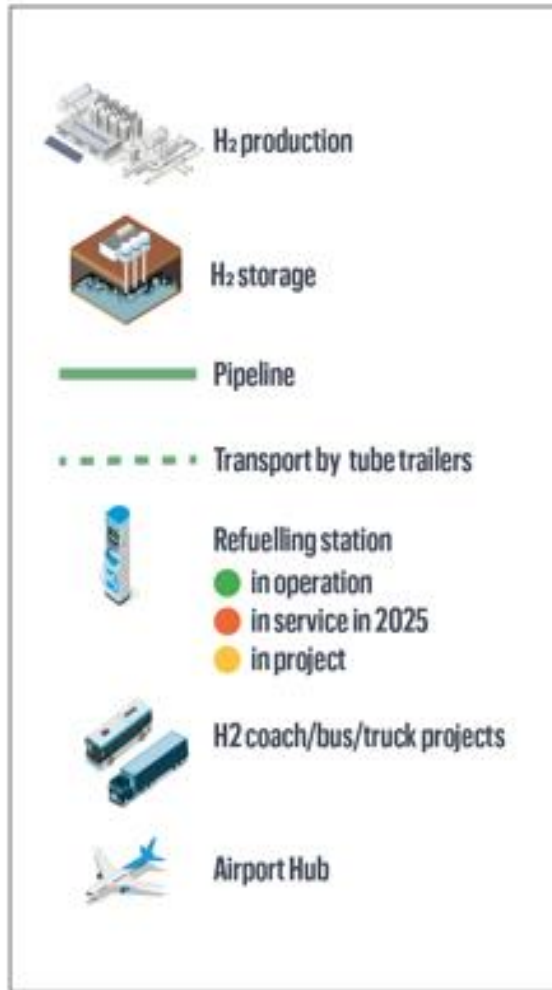


Description and status

Production	Storage	Transport	Distribution	End-uses
4000 t renewable H₂/year 27 MW of new electrolysis capacity	44 t H₂ stored In salt cavern	1 pipeline 20 tube trailers	13 refuelling stations	250 vehicles heavy, commercial and off-road; industrial and energy

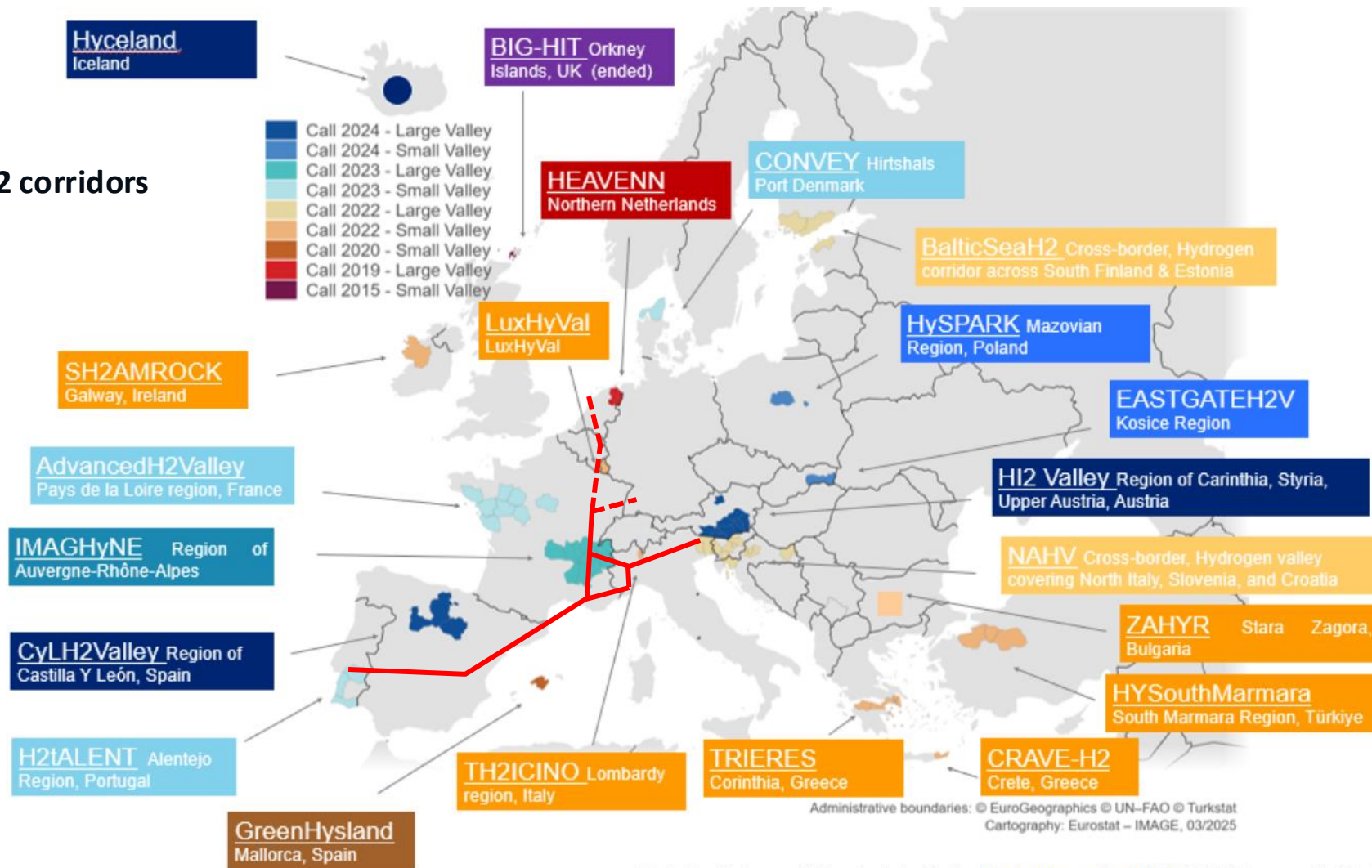


From ZEV to IMAGHyNE



Connecting European H2 valleys

— H2 corridors



EUROPEAN COMMISSION

8 Associated partners



9 Institutional observer group



NAHV (North Adriatic Hydrogen Valley) S3 Partnership

10 Technical observer group



Excludes Hydrogen Valleys included in the [Mission Innovation H2VP](#) (100 Valleys worldwide, 67 European)