



IMAGHyNE

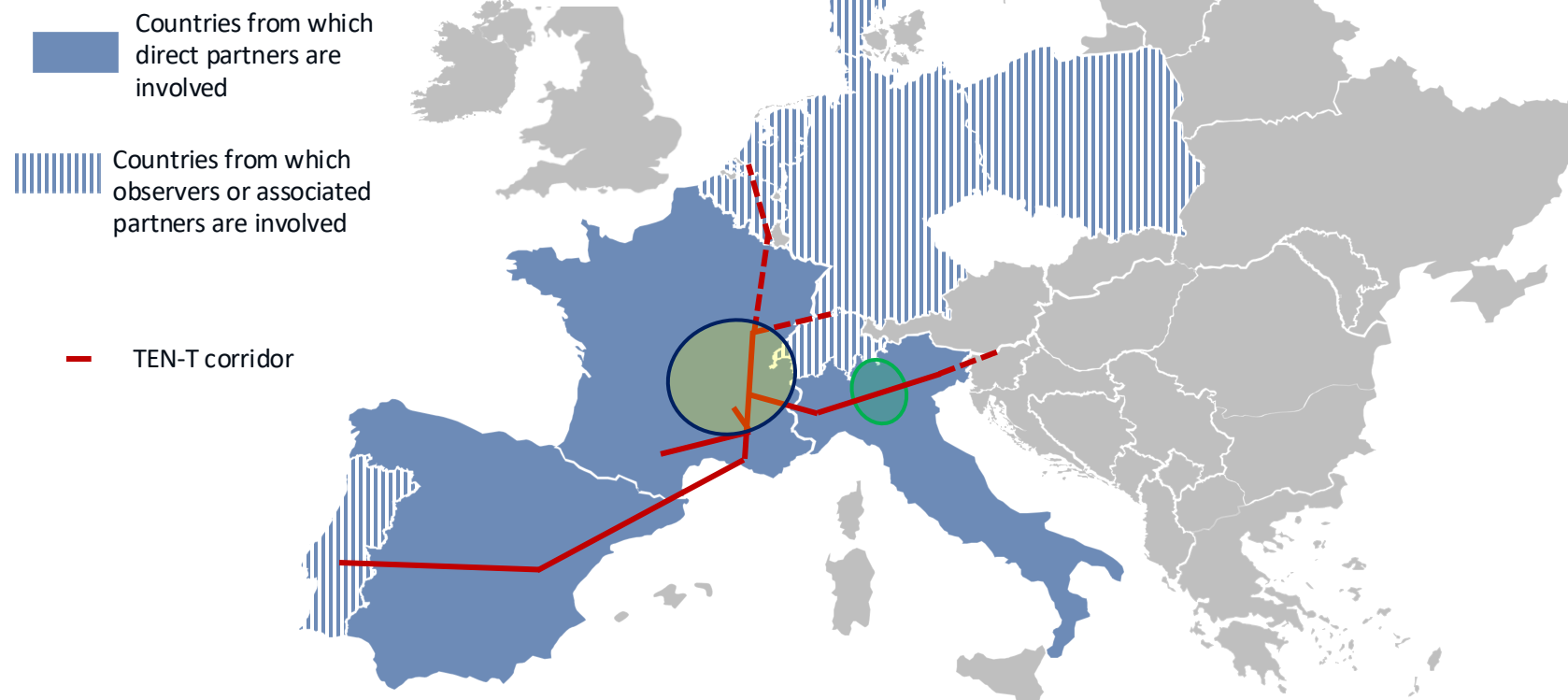
Coordinated by  **Auvergne-Rhône-Alpes**

IMAGHyNE project

25 June 2025



IMAGHyNE



IMAGHyNE project

A large-scale Valley project

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

A change of scale for a regional hydrogen ecosystem: from Zero Emission Valley to IMAGHyNE

- Decarbonize the industry and heavy mobility
- Cover the whole value chain : H2 production, storage, distribution and multiply end-uses
- Develop existing synergies in the region across the entire hydrogen value chain
- Link the valley to national and European initiatives to accelerate the deployment of hydrogen technologies

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 (Region, Grand
Annecy, Vienne Condrieu
Agglomération, Ginhoux)



Total budget : 120 M€

Funding:

EU: CEF : 7,3M€

& AFIF 2M€

State (ADEME) : 24,5M€

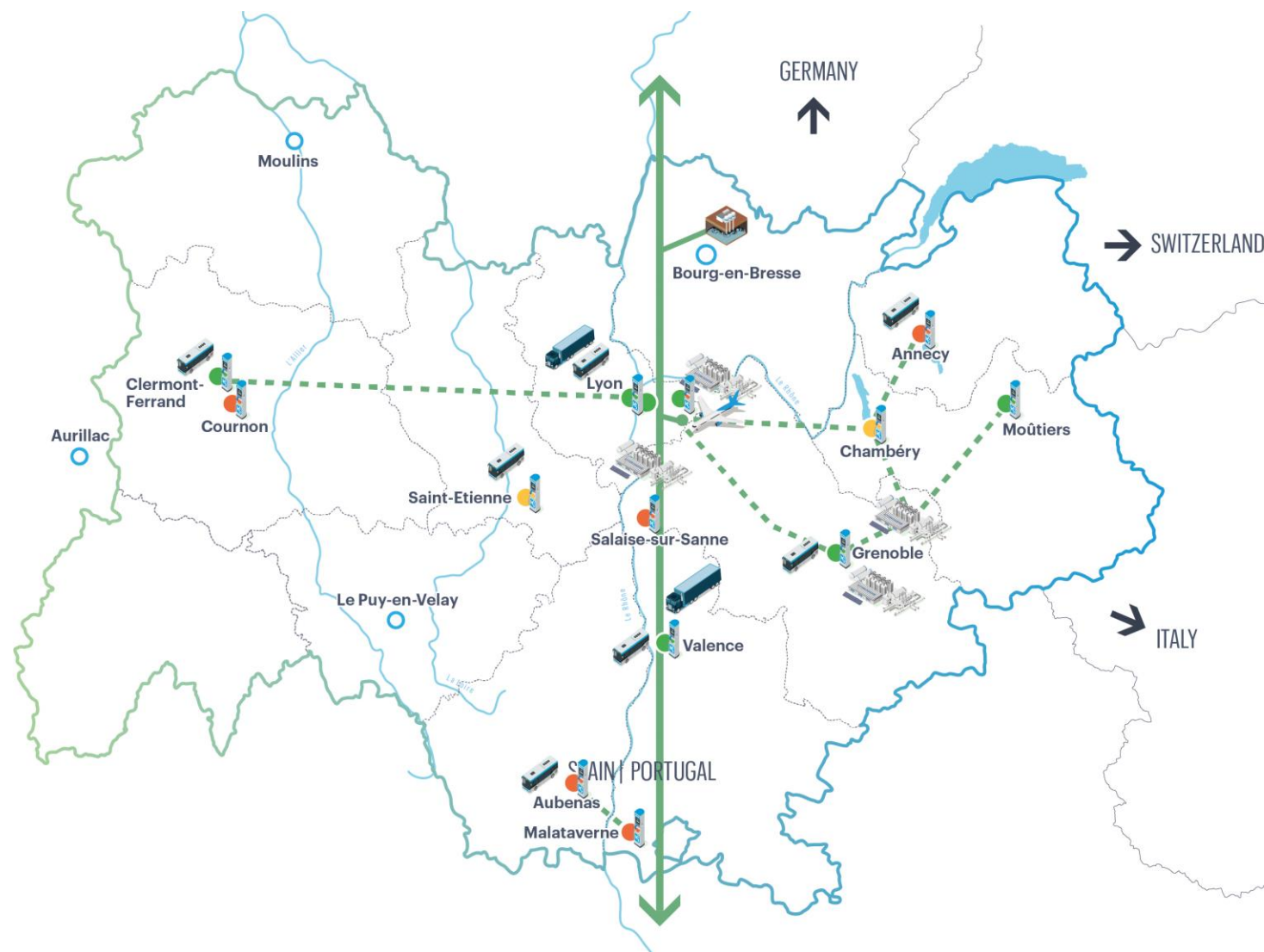
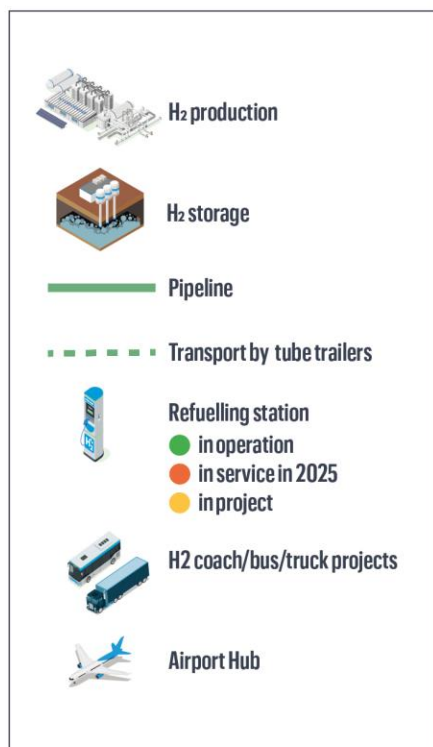
Region: 15M€



Co-funded by
the European Union



La Région
Auvergne-Rhône-Alpes



Key figures

200 M€
investment



Including 20 M€ of Horizon Europe funding

35 partners
involved



32 direct partners and 8 associated partners

6 countries
directly involved or supporting the project



Including France, Italy, Spain, Portugal, Germany and Switzerland

> 170 ktCO_{2e}
avoided within the project duration



By decarbonising high-emitting industry and mobility uses

27 MW
of new electrolysis capacity
4,000 tH₂/yr
renewable H₂

For mobility and industry uses

44 tonnes
of H₂ storage capacity

From 2026.
And 20 tube-trailers for transport

13
hydrogen
refuelling stations



Delivering 10 tH₂/d to various mobility uses

262 fuel cell vehicles
(199 on-road and 63 off-road)



Buses, coaches, trucks, farm tractors, GSE

4 MW stationary
fuel cell
for power generation



To secure airport operations

1 pipeline
(small-scale)



To supply industry and mobility users

End-uses: mobility, energy, industry



Coordinated by Auvergne-Rhône-Alpes



150



10



3



3



2

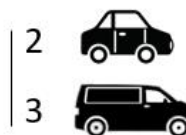
Others (no IMAGHyNE funding)

13 hydrogen refuelling stations (HRS)

11 1 1



Mobility: 262 fuel cell vehicles (199 on-road and 63 off-road)



BONTAZ



hyliko



JACKY PERRENOT



PUM



La Région Auvergne-Rhône-Alpes



LYON AÉROPORT



LYON AÉROPORT
Emergency generator



JACQUEMMOZ



SATA GROUP



ARKEMA
Manufacturing process



Achievements so far/mobility

- ✓ **16 coaches** will be delivered in July 2025 (Region)
Target : 50 (6 to be cofinanced by CHP)



- ✓ **4 buses** in operation for urban public transport (Keolis)
Target : 14 (8 to be cofinanced by CHP)



- ✓ **First truck** delivery in July 2025 (PUM)

Challenges

- ✓ **Lack of demand** on vehicles due to the high cost (ex: withdrawal of 150 Light duty vehicles)
- ✓ **Lack of availability** of heavy-duty vehicles, excepted retrofitted trucks and bus / coaches
- ✓ **Lack of technical/economical viability** (snowgroomers, GSE, tractors...)
- ✓ **French national H2 strategy** : not sufficiently clear about support for mobility

**Thank you for
your attention**

