



CORRIDOR H2
OCCITANIE

Occitanie, the Positive Energy Region

RENEWABLE ENERGIES in OCCITANIE

KEY FIGURES

- 12,500** jobs
- 275** businesses
- Leading region** for its development potential in offshore floating wind turbine (2 pilot farms out of 4 launched in France)
- 2,827 GWh** photovoltaic power generation per year*
- 10,172 GWh** hydroelectric production per year*
- 3,809 GWh** wind power production per year*
- The most powerful solare furnace** in the world

* June 2021

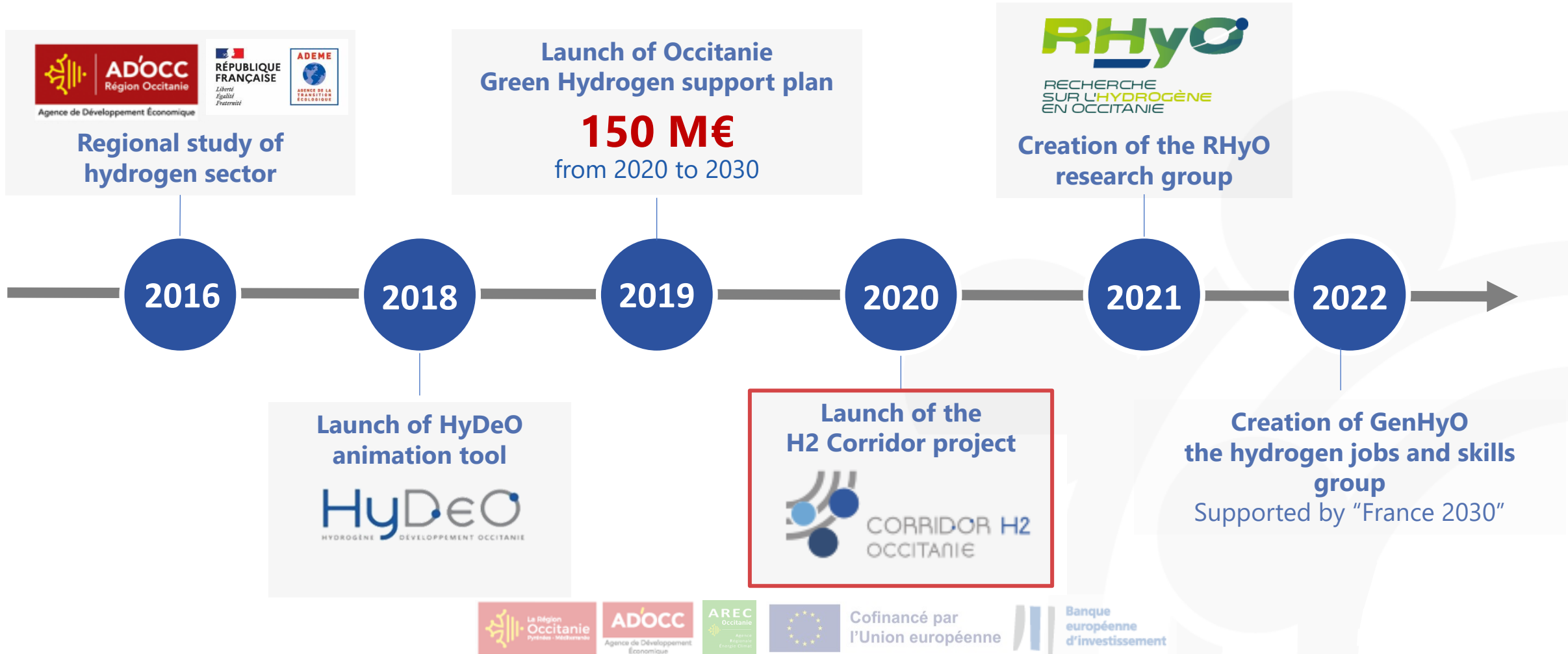


Cofinancé par l'Union européenne



Occitanie Region, leader in the hydrogen sector

A sector supported for more than six years



Corridor H2 project in Occitanie is about tackling heavy road transports emissions



Road transport is expected to increase by 82% between 2015 and 2050



WHY?

Launch the creation of a North-South European zero emission corridor for heavy road transport using renewable hydrogen and related technologies

FOR WHOM?

- All the players in the hydrogen value chain of the project:
- H2 technology suppliers
 - H2 producers/distributors
 - Transporters / Chargers
 - Territories & Clusters

WHICH APPLICATIONS TARGETED?

To replace fossil fuels for heavy mobility: hydrogen fuel cell propulsion for heavy tractors and other trucks (from 19 tons to 44 tons) and regional coaches as well as for refrigerated trailers

FINANCING STRATEGY

European financing from CEF (14,5M€) and European Investment Bank (a loan of 40M€), Private investors, equipment manufacturers, shippers and transporters. Complementary financing from the Regions and national organizations

Corridor H2 in Occitanie: first regional cluster launched



INVESTMENT

110 M€ in total for project implementation **by the end of 2024**

PRODUCTION

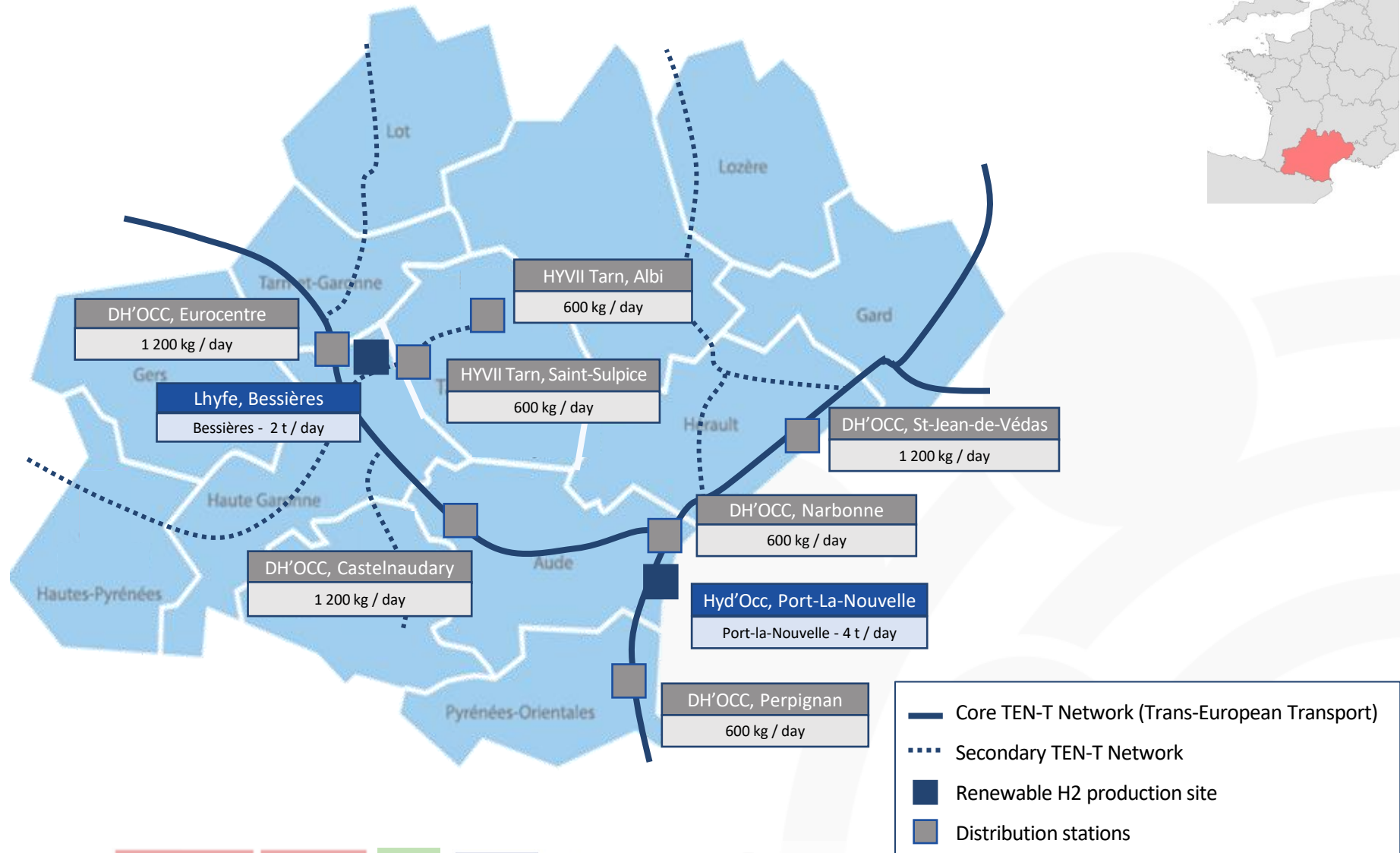
2 renewable hydrogen production sites, cumulative production capacity of 6 t/day

HRS

7 hydrogen refuelling station, of 600 to 1200 kg/day each

END-USES

- 40 trucks
- 62 refrigerated units for trucks
- 15 regional inter-urban buses



A complex funding structure combining public grants, a loan and private investment

European funding from:

- the **Connecting Europe Facility: 14.5M€** (grant obtained by Occitanie via the Transport Blending Call)
- the **European Investment Bank: 40 M€** (loan obtained by Occitanie in December 2020)



Public funding :

- **Occitanie region** through its Green Hydrogen Plan
- **AREC Occitanie Agency** (regional energy and climate agency) as a shareholder of the projects

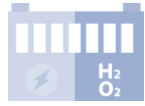


Private funding: private investors, OEM stakeholders, chargers and transporters

The successful outcome for the Corridor H2 project is due to the commitment of the Region Occitanie to drive the project (**at political and technical level**). This complex structure requires a coordinating entity with the ability to engage with all stakeholders during the development and delivery phases. This requires political and technical support.

What is the status of the project today?

Call for projects for infrastructures



Production



Supply



HRS



Hydrogen
suppliers and
producers

→ I PROPOSE MY PROJECT

1 session closed in 2022

- The call for projects has **been closed** and selected partners are in permitting process for production and distribution sites
- “Infrastructures partners” are members of a **steering committee** organised by the Region for projects follow up
- Occitanie Region is frequently in touch with EU for follow up as well

Call for interest for end-users



Trucks



Refrigerated units



Trucks or
refrigerated unit
fleet managers

→ I EXPRESS MY INTEREST
IN THE PROJECT

2 sessions closed in 2022

New session coming soon in 2023

- **13 transporters** selected for a total of **34 trucks until now** (including 24 tractors)
- **Transporters have secured subsidies and willing to invest** if there is truck solutions available before the end of 2024
- The Region will **open again soon the call for interest** to get more transporters involved with trucks quotation