

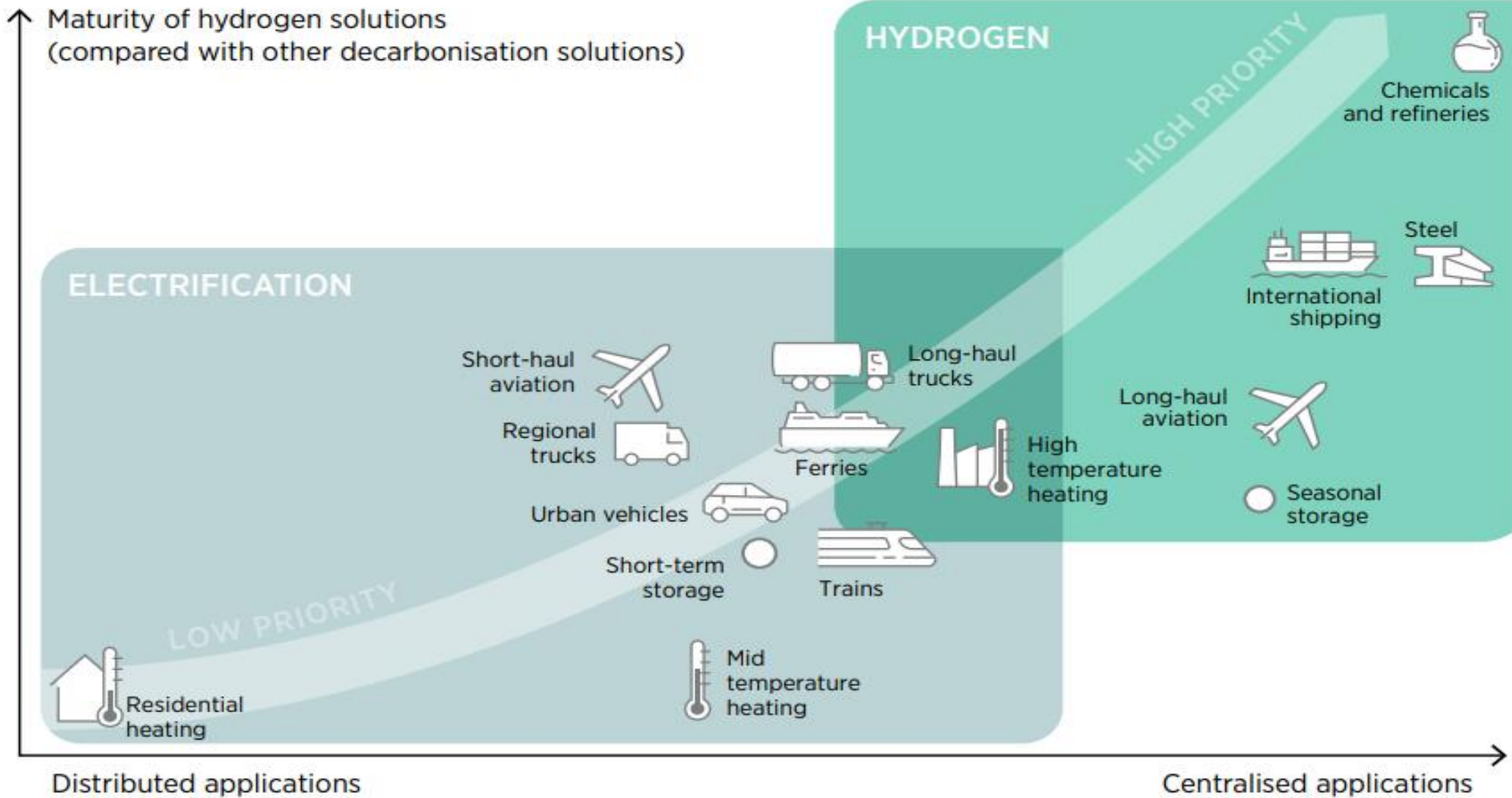
At the dawn of a new era



Riga 22. Mai 2024

Philippe BOUCLY, Président

Priority uses of clean hydrogen : » Hard to abate » sectors



Overview of the situation in France

- **70** Hydrogen Refuelling Stations (Ataway, HRS,..)
- **58** buses in operation - **950** vans and taxis (HySetCo)
- **85** stationary installations (EODev, HDF Energy, Powidian, H2X Systems, H2SYS)
- **30** MW electrolysis in operation – FID for **300** MW
- Projects of connexions with Germany and Belgium (GRTgaz)
- **6400** people employed in H2 activities (+ 10 % versus 2022)
- **250** projects identified - **600** up to **900 000** tonnes of H2 by 2030

Financing : Strong support of the French Government

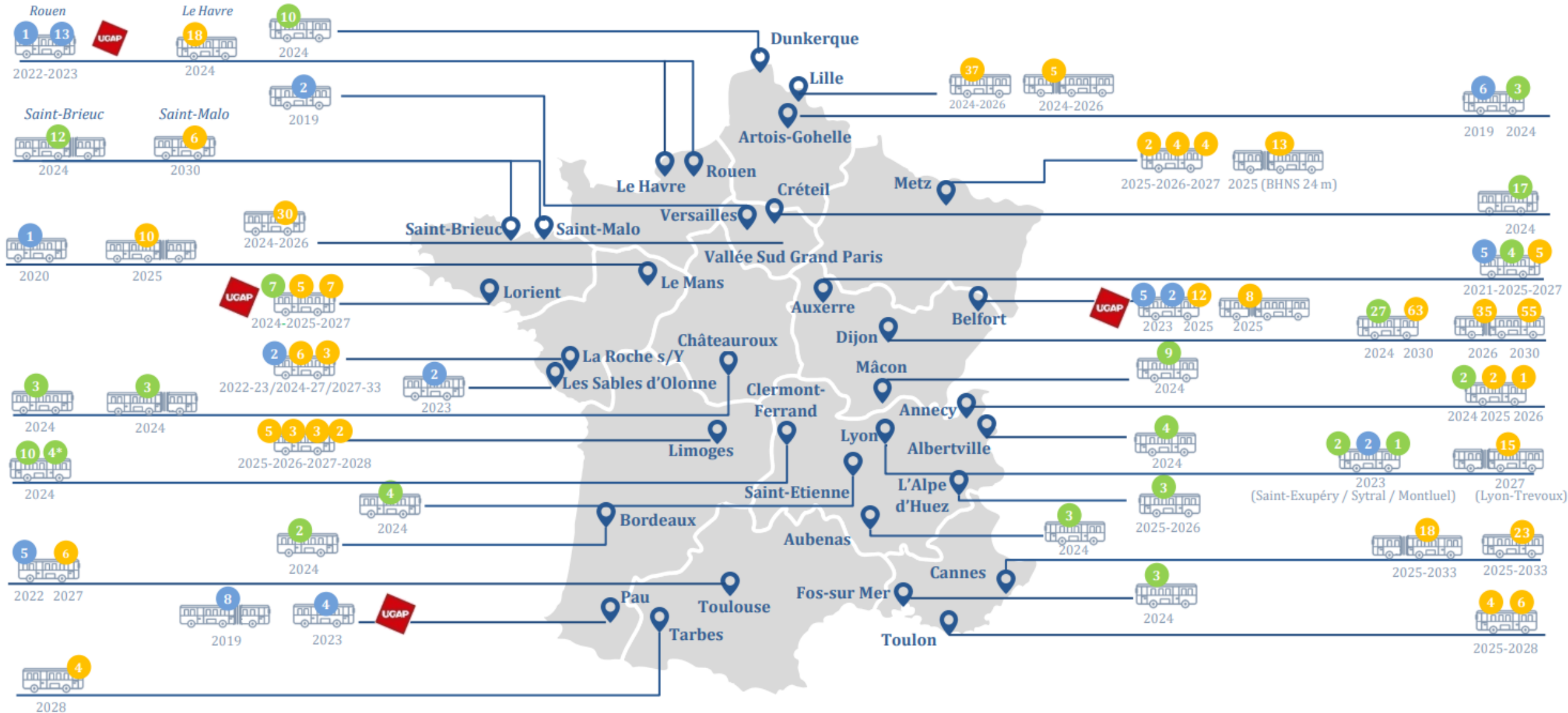
- **320 M€** : subsidies by ADEME (French Agency For Ecology) for an invest. of 1,3 billion € (35 ecosystems)
- **3,2 billion €** of public support for IPCEI projects (Hy2Tech – 10 projects, Hy2Use, Hy2Infra)

Gigafactories of fuel cells (Symbio, Helion-Alstom) , reservoirs (Forvia, PO Mobility),
electrolysers (McPhy, Elogen, John Cockerill, Gen-Hy, Genvia) ,
Air Liquide project (200 MW) in Normandy, Lhyfe (in Gonfreville)

- **4 billion €** : Support mechanism for producing renewable or low carbon hydrogen : (1 GW Electrolysis)
- A specific mechanism for refineries

Bus deployment

739 (58 in operation +133 deployment in progress + 548 envisaged)




Main Challenges for the (French) Hydrogen Sector

- To reduce costs : **scaling up**
- To promote **technological neutrality**
(**3,38 kg CO₂ / kg H₂**)
Certification- Level playing field : same rules for all
- **Clean, abundant and affordable** electricity available
(To develop renewable and nuclear energy)
- To contribute to **re-industrialisation**
To avoid new dependancies

Thank you for your attention

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