

Background: Green hydrogen working group record. From its conception to 2022

Judith Estol - Government of Catalonia #EUGreenWeek June, 1st Brussels

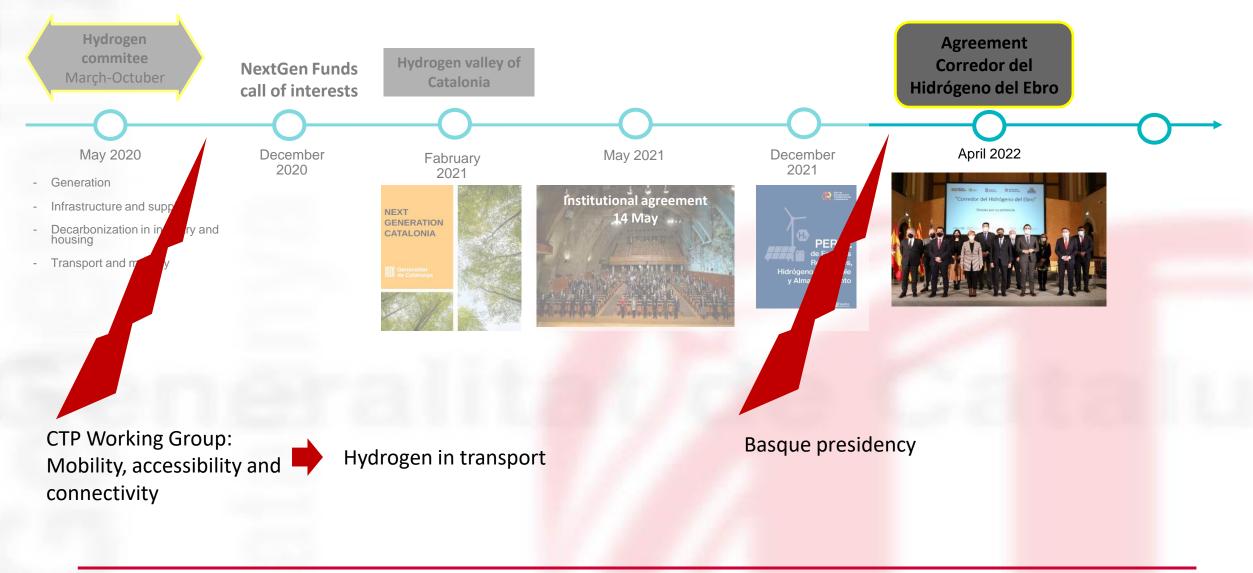


Background: green hydrogen?

WHY Main challenges facing	g Europe	HOW The role of renewable hydrogen
1 Climate neutrality	To fulfil objectives	 Substitution of grey H₂ with renewable H₂ Decarbonization: industry, mobility, residential
2 Energy transition	To increase resilience	 O Energy storage potential O Added value for renewable energy and wastes
3 Economic recovery	To cope with to cope with to cope with the crisis	 the O Guarantee the competitiveness of major sectors O Adaptation of sectors and new opportunities
4 Regional balance	Balanced development	 O Areas of just transition (e.g. Baix Ebre - nuclear county) O Intraregional balance in the hydrogen era develop.



Background: CTP Catalan presidency





Results: Project PYCASSO



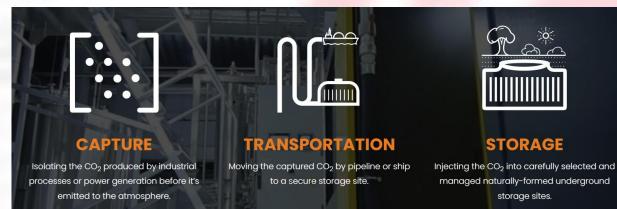
Goal: Valorize and stockage CO2 emissions

1-adapt capture processes to local emissions

2-create a transport network

3- set up a CO2 recovery and storage hub based on the capacities of industrial platforms and depleted gas fields in the Pyrenean foothills.







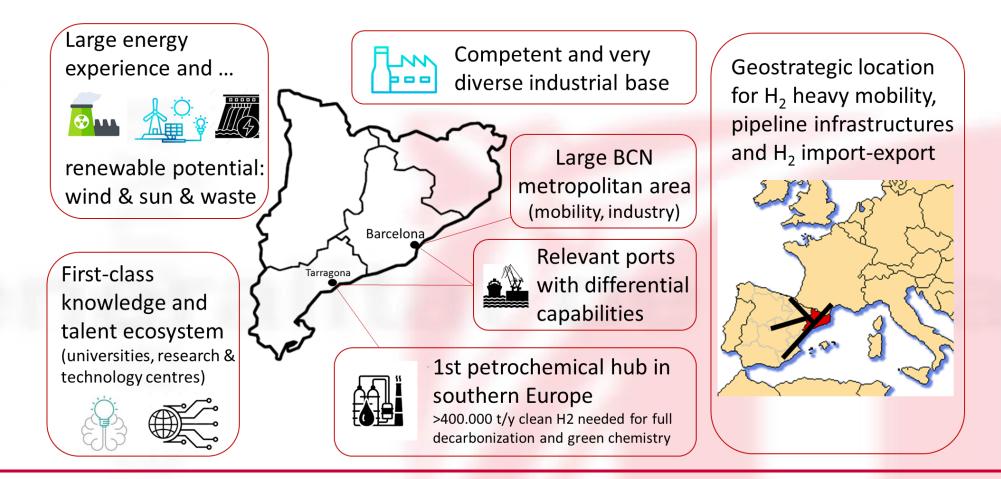
Background: Route





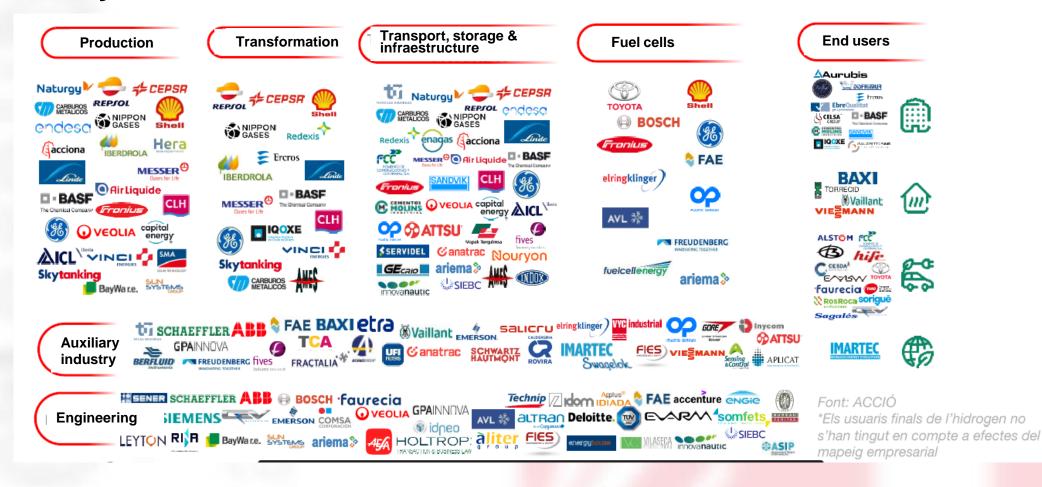
Background: current assets

🔄 105 companies 🔒 373,5M€ 👬 810 jobs 50,5% SMEs 🚿 Less 10 yo





Ecosystem: what do we have



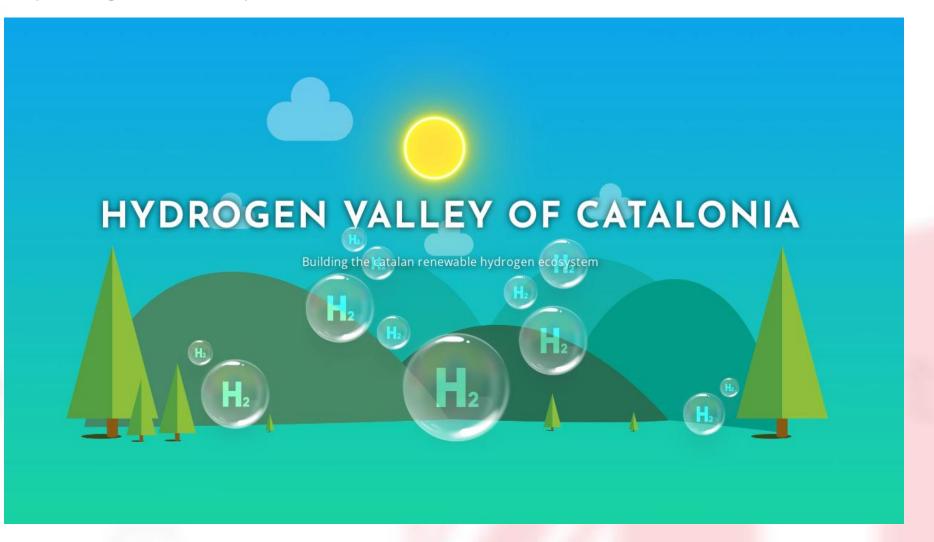


Ecosystem





Tools: Hydrogen Valley of Catalonia





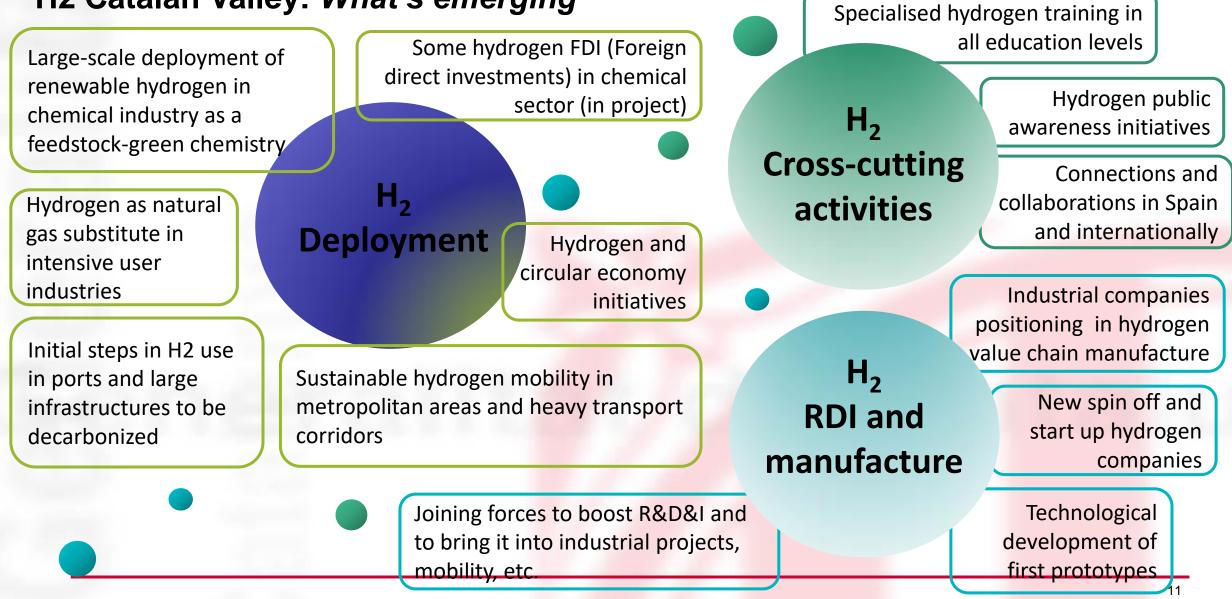
H2 Catalan Valley: Actors

188 organizations are members of the Valley (May 2022)



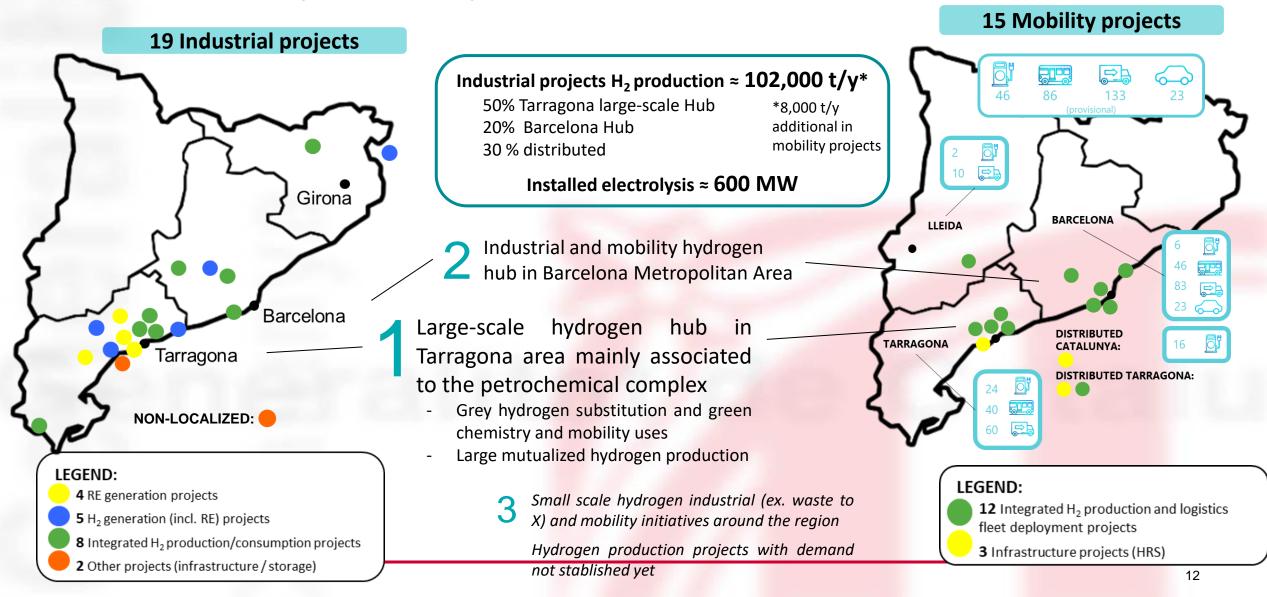


H2 Catalan Valley: What's emerging



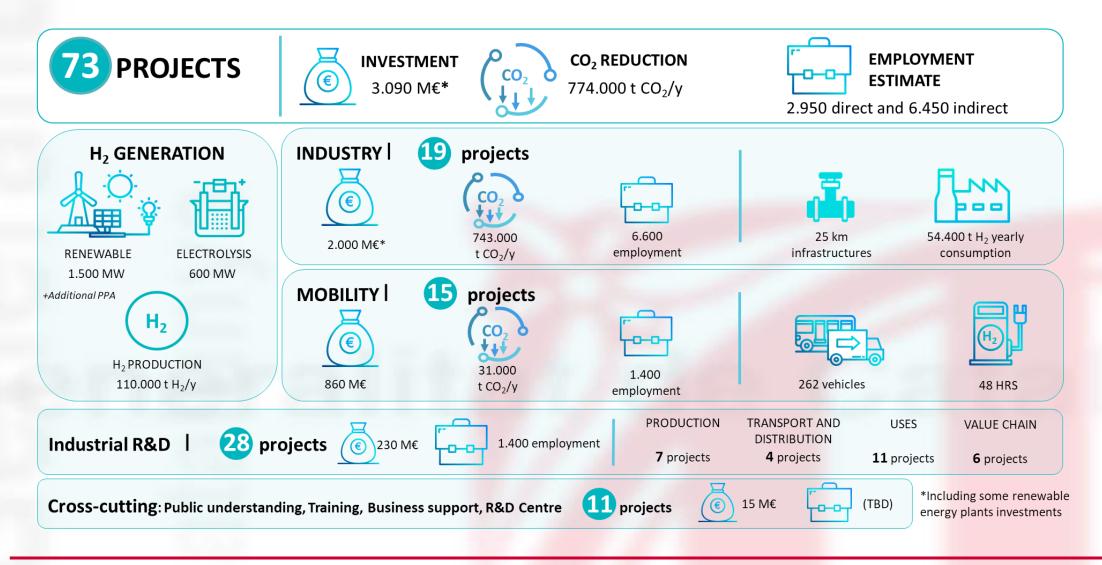


H2 Catalan Valley: Main projects





H2 Catalan Valley: Main projects





European strategy: lobby and policy making





THANK YOU, GRÀCIES

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