

# A STRATEGIC ALLIANCE FOR A SUSTAINABLE FUTURE



A cooperation project between the four Communities which, together, connect the Atlantic and the Mediterranean.



An alliance of more than 12 million people who aspire to a sustainable future; who need affordable, clean and secure energy.



This is how the Ebro Hydrogen Corridor came into being, an alliance in response to the need, commitment and work of all for sustainability.

## WHAT IS THE EBRO HYDROGEN CORRIDOR?



A project that **IS ESTABLISHED** in a geographical, industrial and technological community **BASED ON** public-private collaboration **WITH THE OBJECTIVE** of boosting the renewable hydrogen value chain and fostering decarbonisation, **WITH THE AMBITION** of leading the deployment of renewable hydrogen in Southern Europe, **WITH THE ULTIMATE AIM** of obtaining sustainable results that produce social, economic and environmental benefits.

### CHARACTERISTICS / FEATURES

1. We are a unique enclave, connecting the Atlantic and the Mediterranean.
2. A pioneering project in Europe and a forerunner as a model of public-private development.
3. We promote decarbonisation as an economic driver and create quality of life through employment and sustainability.
4. By involving the entire value chain, we advance the development of the hydrogen economy, building on local technological and industrial capabilities.
5. One ambition: We want, and we can be the leader in Southern Europe in the deployment of the hydrogen economy.

ATLANTIC FAÇADE



### GEOGRAPHICAL characteristics

The Ebro Hydrogen Corridor acquires a dimension and relevance as an **ecosystem equivalent to the great European hydrogen valleys.**

- A key player in the renewable H2 value chain between Europe and the Iberian Peninsula.
- Connection with the major European transport (TEN-T) and energy (TEN-E) infrastructures.
- Access to the Cantabrian Sea (Atlantic façade) and the Mediterranean Sea.
- Important industrial poles, metropolitan areas with demands for new energy solutions and 3 industrial ports nearby.

### INDUSTRIAL characteristics

To be a **leader in Southern Europe** in the deployment of the hydrogen economy and **to be part of the European value and industrial chain.**

- Logistical hub connecting Spanish peninsula with Europe.
- Two major consumers of hydrogen and one of the largest petrochemical complexes in Spain
- Three of Spain's main industrial poles.
- Manufacturing value chain of goods and equipment for storage, distribution and supply of hydrogen.
- Large renewable energy generation capacity (wind and solar).
- Solid industrial positioning in the renewable energy sector with presence of large wind energy multinationals.
- Industrial ports.

### TECHNOLOGICAL characteristics

**Development of local technological and industrial capabilities, as an opportunity for the economic and social development of the territory.**

There is a network of leading and pioneers technology, innovation and knowledge centres in hydrogen development.

Fundación Hidrógeno Aragón  
Universidad del País Vasco  
Universidad Mondragon  
Universidad Pública de Navarra  
Universitat Rovira i Virgili  
Universidad de Zaragoza

CIENERGI GUNE  
CIDETEC  
CENER  
TECNUM  
Eurecat  
ITA Innova  
CIRCE  
CSIC

NAITEC  
AIN  
Tecnalia  
Ikerlan  
AITIIP  
ISA

### INSTITUTIONAL characteristics

**Pioneering public-private, inter-territorial and multi-sectoral cooperation project.**

- Common objective to promote the decarbonisation of the economy and the economic and social development of the territory, through renewable hydrogen.
- Development of hydrogen as one of the pillars of economic recovery.
- Commitment to ensuring the reduction of disparity and the active and equal participation of women in the energy transition.
- Commitment to inter-regional and multi-sectoral collaboration to undertake the coordinated development of renewable hydrogen.
- Commitment to sustainable development.
- The Working Community of the Pyrenees (CTP). Commitment to collaboration at European level and EU programmes.

MEDITERRANEAN

## REGIONAL PLANS



### ARAGON

The "GetHyGA Initiative", one of the actions included in the Hydrogen Master Plan in Aragon 2021-2025, constitutes an Action Plan for the creation of an industrial ecosystem that includes the production, transport, storage, and integration of hydrogen into industrial processes and in the different areas of energy production and consumption.



### NAVARRRE

The Navarre Green Hydrogen Agenda is a management tool for developing an energy, industrial, technological and talent ecosystem based on green hydrogen. It is managed and rolled out through the Hydrogen Round Table, with the participation of over 50 companies and other players from the region. Key Area 6 of the Agenda has the objective of increasing the potential of the region in the H2 economy.



### CATALONIA

The Hydrogen Valley of Catalonia (H2ValleyCAT) has been identified as one of the driver projects for economic recovery. A platform driven by institutional and business agents under a long-term model of public-private cooperation as the key to contribute to the creation of the ecosystem and value chain for the production, transport-storage and application of renewable hydrogen.



### BASQUE COUNTRY

The Basque Hydrogen Corridor Association (BH2C) aims to develop a renewable hydrogen ecosystem in the Basque Country which, based on specific projects and actions and following a strategy of public-private collaboration, will enable progress to be made in the decarbonisation of the energy, mobility and various other industrial sectors as a driver of the economic reactivation of the territory.

**SHYNE**  
Spanish Hydrogen Network

SHYNE "Spanish Hydrogen Network" is the largest renewable H2 alliance in Spain, created to promote the decarbonisation of the economy. SHYNE aims to promote renewable hydrogen projects throughout the value chain, with a multi-sectoral approach and in line with the objectives of the European Hydrogen Strategy and the Spanish Hydrogen Roadmap. SHYNE has a collaboration network formed by 9 promoter companies (Alsa, Bosch, Celsa, Enagás, Naturgy, Navantia, Repsol, Scania, Talgo) and more than 50 collaborators.



[www.ebroh2corridor.com](http://www.ebroh2corridor.com)

# EBRO HYDROGEN CORRIDOR

Leading the deployment of the renewable hydrogen value chain in Southern Europe



With the cooperation and support of:



Promoted by:

