



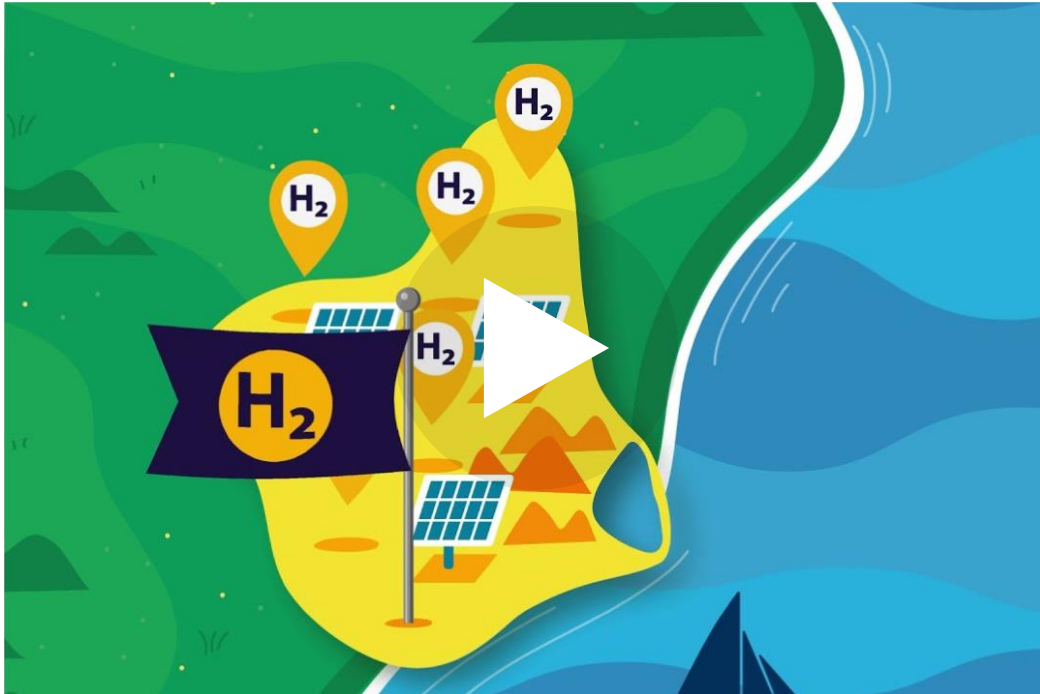
ASOCIACIÓN SECTORIAL DEL
HIDRÓGENO VERDE DE LA
REGIÓN DE MURCIA





What is AHMUR?

The **Sectoral Association of Green Hydrogen of the Region of Murcia AHMUR** is a national private non-profit association which aims to:



- ❑ Guide the green transition by means of a sustainable development model towards a low-carbon economy based on renewable energy and green hydrogen.
- ❑ Generate a collective awareness of green hydrogen as a feasible alternative to reduce emissions and prevent the effects of climate change.
- ❑ Promote the decarbonisation of the economy.
- ❑ Promote projects based on clean energy and green hydrogen.



Who are we?

Founding Partners



Ayuntamiento
de Murcia

UNIVERSIDAD DE
MURCIA



Universidad
Politécnica
de Cartagena

Honorary partners

cetenma

Technical Secretary



What do we want?

The purpose of AHMUR is to highlight the European investments geared towards the green transition in the Region of Murcia.





Why green hydrogen?

- It does not emit polluting gases into the atmosphere during combustion or during the production process.
- It takes advantage of the surplus renewable energy generated during off-peak hours by enabling manageability and continuity in the renewable energy supply through its energy storage capacity.
- Extend decarbonisation and renewable energy to sectors where electrification is not feasible or cost-effective.



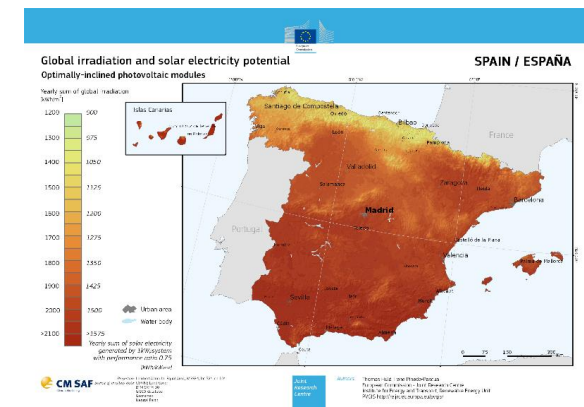
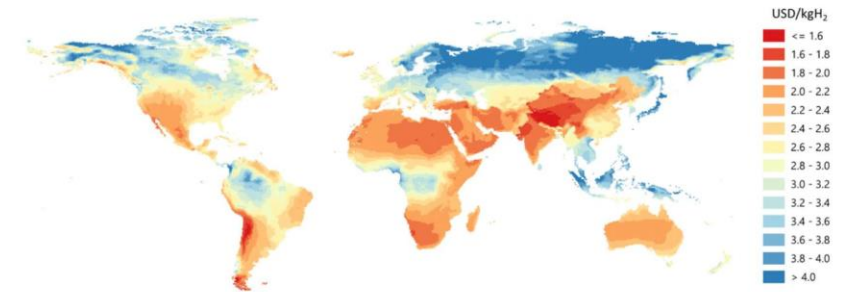


Why the Region of Murcia?

Excellent conditions for Solar Photovoltaic Energy

- The region receives over 3,000 hours of sunshine on average per year and has favourable orographic conditions for the development of facilities.
- Energy generation per installed kWp is 3% higher than the national average.
- High specialisation with leading companies in the energy sector.

Hydrogen costs from hybrid solar PV and onshore wind systems in the long term



Green hydrogen can today achieve cost competitiveness with fossil-based hydrogen in ideal locations with the lowest renewable electricity costs.



Why the Region of Murcia?

Availability of energy infrastructure for storage and distribution

- Enagás regasification plant in Cartagena with a storage capacity of 587,000 m³ LNG.
- Natural Gas transport and distribution network.
- Port of reference for fuel traffic.

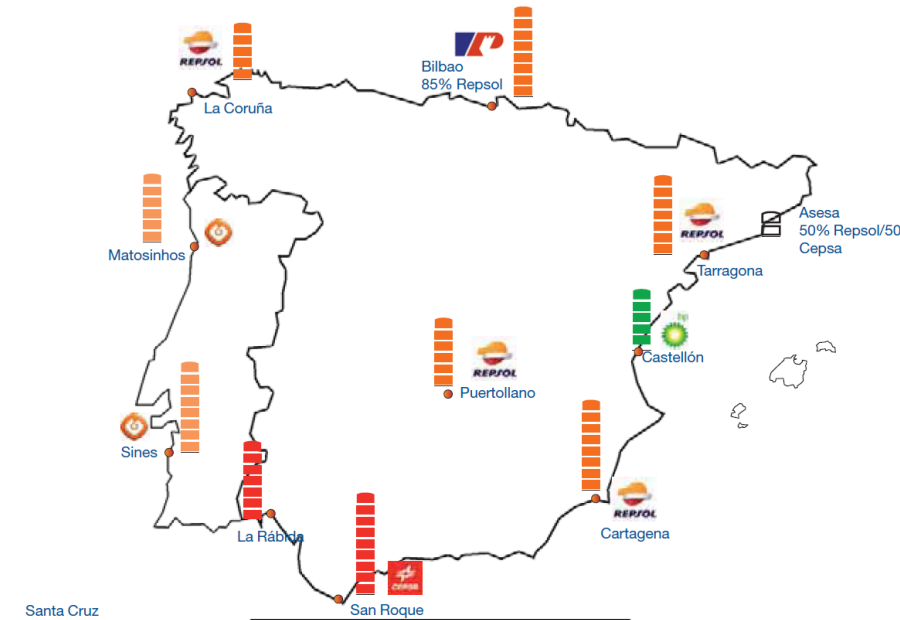




Why the Region of Murcia?

Large presence of potential consumers

- Exporting region with leading road transport companies. 3 companies among the top 10 by revenue at national level.
- Industrial and petrochemical hub. Presence of the largest refinery in Spain.

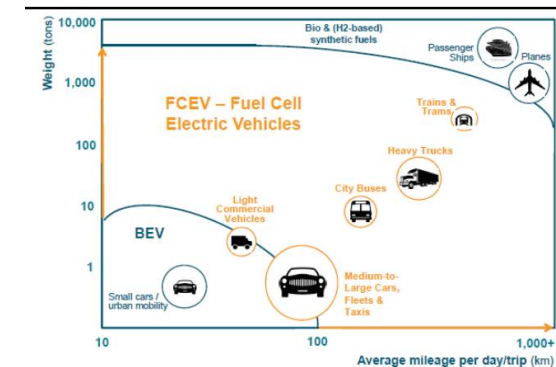




Why the Region of Murcia?

Presence of a large logistics sector

- Exporting region with leading road transport companies.
- Over 600 companies in early 2021.
- 3 companies among the top 10 by revenue at national level.
- The Port of Cartagena brings together logistics, military and tourist activity.



Source: McKinsey & Company, "Hydrogen Scaling Up" for Hydrogen Council, November 2017, p. 31
Power to Change the World®



We promote Hydrogen

The Association is open to any natural or legal person interested in developing the aims of the Association and is a member of other networks at national and European level.

European Clean
Hydrogen Alliance



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DEL HIDRÓGENO



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