



Interreg
Atlantic Area



Co-funded by
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HYDEA is a 3-year Interreg Atlantic Area project with a total budget of €3.43M which aims at boosting the hydrogen transition in the Atlantic Area ports.



Building with collective intelligence

HYDEA Community is intended to be an across borders forum for all hydrogen stakeholders.

Throughout 2024, the Community has made significant progress in structuring and dynamizing the seven focus groups, consolidating itself as a transnational space for the exchange of knowledge and the promotion of hydrogen in the ports of the Atlantic Area.

Indeed, the focus groups are working right now on specific hydrogen topics: production, storage and distribution, transport and infrastructure, industrial uses, marine mobility, other uses, and strategy in ports.

The implementation of these focus groups will allow for the collection of expert knowledge, the generation of strategic recommendations and the identification of concrete collaboration opportunities, consolidating the impact of the project.

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Guidelines to create realistic action plans

Recognising that ports respond to external policies and market demands rather than initiate major energy transitions, the focus is placed on enabling port users to adopt hydrogen-based solutions.

The guidelines begin with identifying and involving key port users, understanding their energy use, operational needs, and decarbonisation pressures. The next step is to determine where hydrogen can be effectively applied by evaluating technical feasibility, cost, and stakeholder interest. These findings are used to define clear, practical actions supported by appropriate infrastructure, partnerships, and timelines. The final step outlines how to monitor imple-

mentation through key performance indicators, and regular reporting.

By following this method, HYDEA partners will create realistic, time-bound, and user-oriented action plans that support investment, align with policy signals, and accelerate the decarbonisation across the Atlantic Area.

[Download the full methodology](#)



Towards a decision support tool

Being the main objective of HYDEA to boost the hydrogen transition in the Atlantic Area ports, the project is tasked to develop a decision support tool for hydrogen applications in ports.

This tool will ultimately support future decision-making and the evaluation of individual hydrogen technologies in different scenarios. It will be developed using data and conclusions gathered from the technical, economic, environmental and societal assessment of different case studies in the Atlantic Area.

A framework was first defined to provide a standardized structure that ensures all critical topics are addressed in the case studies. Ultimately, the information gathered will feed the decision support tool.

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Meetings and workshops coming soon

To support institutional stakeholders, ports, and regional authorities, HYDEA partners will organise soon new meetings and workshops.

Regarding the **institutional stakeholders**, the idea is to underline the importance and the feasibility of having clean energy sources on the territory to produce green hydrogen locally which can be distributed and/or used in the port areas. These interactions will also support future national and European regulations that should come up in regards with hy-

drogen deployment. Dedicated **meetings** will be opportunities to illustrate how the HYDEA work can be useful in this respect.

As the **ports and regional authorities** are the targets most directly concerned by the project, it is imperative that they have a very good knowledge of the recommendations, roadmap, and tools produced by HYDEA. Organising **workshops** will be a good way to share the main project outputs usefull for the sector.

The agenda of these different events is being developed and will be published soon on HYDEA website

[Know more](#)



The Port of Vigo has been nominated for the International Association of Ports and Harbors Sustainability Awards 2025 in the Climate & Energy category. The application includes the HYDEA project, and deals with "Hydrogen Strategy: A Living Lab for the Energy Transition".

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