

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.

[Join the HYDEA Community](#)

[Download the 1st year report](#)

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.



[Download the full report](#)

Launch of the calls for applicants

While there are already proven hydrogen-based technologies that primarily require adaptation to specific installation site conditions, new concepts are constantly being developed by academic researchers, industry professionals, and entrepreneurs. However, many of these innovators face a lack of resources to implement their ideas.

Throughout the project, HYDEA consortium is launching three successive calls to provide access to the partners' experimental facilities and expertise to support the development and testing of pre-commercial, innovative technologies.

The selection process involves a thorough review and evaluation by an independent selection panel comprising experts in the project's core focus areas

as well as a board of the HYDEA project representatives. The selection criteria include scientific merit, technological feasibility, and market potential, with priority given to solutions that can be integrated into port environments.

The schedule for applications is as follows:

- Call n°1 - From May to July 2025
- Call n°2 - From September to November 2025
- Call n°3 - From January to March 2026.

[Know more and apply](#)



A webinar is coming soon!

HYDEA partners are organising thematic webinar series throughout the project to cover the different stages of the hydrogen supply chain, from production through transport and storage to consumption.

The next webinar will be held on **12 September 2025**, from 11:00 am to 12:30 pm (GMT+1). It will deal with roadmap for hydrogen transport, storage and market applications in terms of decarbonizing trends in Atlantic ports.

The preliminary program is as follows:

- Welcome word and introduction
- European initiatives at ports for the adoption of hydrogen-based energy
- Market outlook and roadmap for hydrogen-based energy vectors
- Infrastructure for hydrogen storage and transport at ports
- Hydrogen implementation for internal port operations
- Q&A session.

[Know more and register](#)



Photos credits: Hawksky/Pixabay, Orange Dragon Studio/AdobeStock, Port of Seville, Startup Stock Photos/Pixabay