ENEPORTS NEWSLETTER

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Special edition



ENEPORTS mid-term event

On 18 November, the third in-person event of the ENEPORTS project took place in Tenerife, bringing together the project partners and the key stakeholders involved in its areas of focus.

The event provided an opportunity not only to present the progress and results of ENEPORTS, but also to learn about other projects and initiatives relating to the challenges of the energy transition and port areas.

ENEPORTS Partner meeting

Our annual in-person consortium meeting took place on 17 November in Tenerife, hosted at the premises of two of our partners, ITER and the Port Authority of Santa Cruz de Tenerife (APSCT).

This meeting provided an opportunity for the partners to discuss the project's main priorities, key themes and next steps, as well as to share their feedback on the actions carried out as part of the project.

The meeting also enabled participants to learn about our partners' activities and facilities. In particular, a tour was organised of the premises and several facilities belonging to ITER, a key player in the field of renewable energy in Tenerife.

The APSCT teams also organised a tour of certain parts of the port of Granadilla, notably the areas directly involved in the ENEPORTS project. This tour provided a concrete illustration of the project's challenges and actions on the ground.



Interreg Atlantic Area
Co-funded by the European Union

The ENEPORTS project has been co-financed as part of the European Interreg Atlantic Area cross-border cooperation programme via the European Regional Development Fund (ERDF).

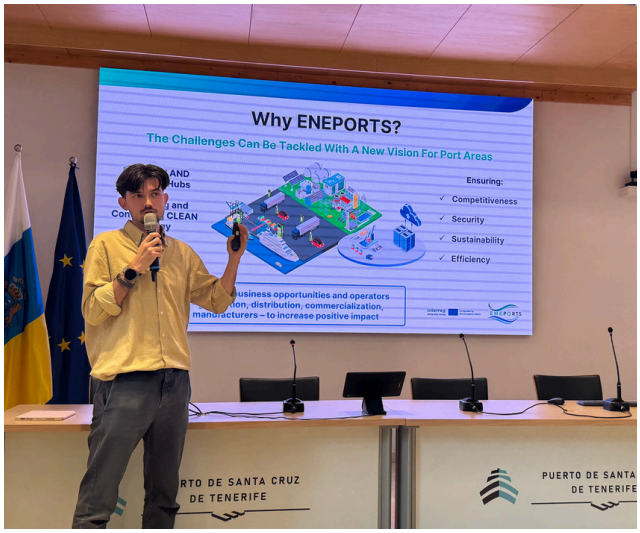
Introduction to the ENEPORTS project

- Speaker: Samuel Ormaechea Barros, ITG

ITG gave an introductory presentation on the ENEPORTS project, outlining its objectives and the challenges associated with the decarbonisation and digitalisation of ports in the Atlantic region.

The presentation also covered the various planned demonstrators and System Powers, as well as the project's progress and latest developments.

Finally, ITG highlighted the importance of digitalisation and close collaboration with the ports to ensure that all projects and tests are completed on time.





Port of Tenerife: Local implementation and challenges

- Speaker: Santiago Yanes Díaz, Autoridad Portuaria de Santa Cruz de Tenerife

The Santa Cruz de Tenerife Port Authority is actively committed to the decarbonisation of ports and the energy transition. As part of its corporate strategy, it places innovation and sustainability at the heart of its priorities, with the aim of developing solutions that benefit the entire port ecosystem.

The presentation focused on its key initiatives, notably the work carried out as part of the ENEPORTS project, which aims to support the energy transition and reduce the environmental footprint of port activities.

Findings of the report on the regulatory framework - ENEPORTS

- Speaker: . Alejandro Rey Seoane, Autoridad Portuaria de Ferrol-San Cibrao

The legal report for the ENEPORTS project, led by the Ferrol Port Authority and carried out by the University of Almería, analyses the regulations in Spain, Portugal, France and Ireland concerning pilot projects for new energy technologies in ports.

The findings highlight similar legal frameworks in France, Spain and Portugal, Portugal's lead in terms of specific regulations, and Ireland's strong focus on offshore wind power.

The main challenge is to rethink authorisation procedures in order to foster innovation in ports.



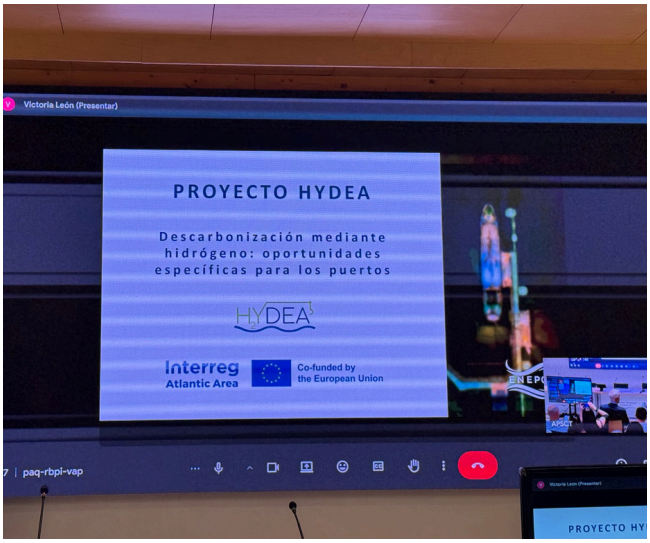
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Presentation of the H2PORTS hydrogen project in the Port of Valencia

- Speaker: Aurelio Lázaro Chueca, Fundación Valenciaport

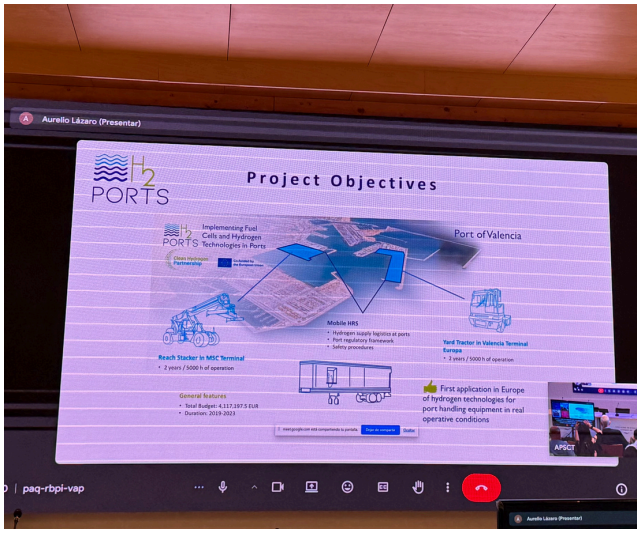
The H2Ports project (2019-2025) aims to assess and demonstrate the technical and economic feasibility of using hydrogen and fuel cells in the maritime and port sector.
The project has tested three solutions under real-world conditions: a hydrogen-powered reach stacker vehicle, a yard tractor fitted with a set of fuel cells, and a mobile hydrogen refuelling station. The aim is to demonstrate high-performing, safe and replicable solutions that reduce local emissions and support the transition of ports towards low- or even zero-emission operations.
The project also involves studying a sustainable hydrogen supply chain, bringing together the various stakeholders in the port ecosystem.
Source: Fundación Valenciaport



Wave Energy Breakwaters: Innovating the Future of Ports

- Speakers: Quentin Henry & Matthis Le Bideau, Wave-Op

Wave Op is developing an innovative technology that converts wave energy into renewable electricity.
Its system, DIKWE, incorporates movable flaps into sea defences and port infrastructure. The movement caused by the waves is harnessed and then converted into electrical energy.
The technology therefore offers a dual benefit: protecting coastlines and infrastructure from swells whilst generating local, renewable and carbon-free energy.
Wave Op thus aims to turn maritime infrastructure into genuine producers of renewable energy.
Source: Wave-Op website



HYDEA project – Decarbonising Atlantic ports through hydrogen

- Speaker: Victoria León Carpintero, EnergyLab

The HYDEA project aims to accelerate the integration of green hydrogen in ports across the Atlantic region in order to contribute to their decarbonisation. It brings together partners from France, Spain, Portugal and Ireland to identify the needs of the ports and develop solutions tailored to their operations.
The aim is to propose concrete solutions and pilot projects based on H_2 technologies, such as: optimising methanol production through CO_2 hydrogenation; mobility demonstrations using fuel-cell vehicles; developing membranes for CO_2 capture in distillation and methanol production processes; and demonstrating a portable H_2 refuelling station.
Source: HYDEA website



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Next ENEPORTS event

Closing event of ENEPORTS project

- Date: 15 October 2026
- Place: ITG facilities in A Coruña, Spain

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Need to get in touch with the partners?

- **Generic mail:** eneportsproject@gmail.com

- **Elizabeth Giraut Ruso:** egiraut@itg.es
- **Jade Santier:** jade.santier@builders-ingenieurs.fr
- **Santiago Yanes:** santiagoyanes@puertosdetenerife.org
- **John Breslin:** john.breslin@universityofgalway.ie
- **Jorge Ballesteros:** jballesteros@iter.es
- **Alejandro Rey:** arey@apfsc.es
- **Filipe Martins**: filipe.martins@apdl.pt
- **John Tyndall:** jtyndall@theportofgalway.com

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