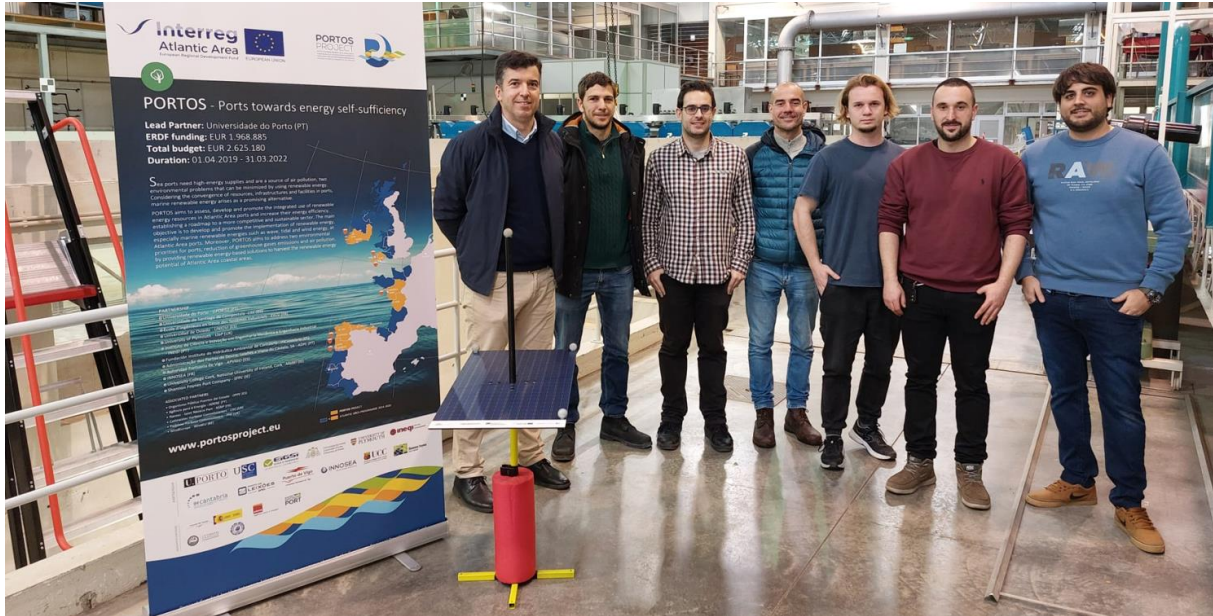


# PORTOS Newsletter | Oct 2022 - Mar 2023



PORTOS – Ports Towards Energy Self-Sufficiency continues to promote sustainability in the Atlantic Area through advanced research on marine renewable energy for the supply of ports and a variety of events targeted at the main stakeholders of the project as well as the general public.

The PORTOS project was extended until 30 July 2023, to allow new outreach events to occur, such as additional OpenPorts and OpenLabs events as well as roundtable discussion events. This will also allow the purchase of new equipment such as the environmental monitoring sensors required for improving the BLUE-Ports Observatory.

In the context of the project extension, additional tasks and actions were added to the existing Work Packages, and completely new Work Packages were created (WP8 and WP9). The purpose of WP8 is to develop, with the support of new private partners with key commercial expertise, feasibility studies for the implementation of advanced technologies to enable sustainable and tendentially energy self-sufficient ports. The goal of WP9 is to further capitalize the project results by promoting the creation of sustainable port communities. This is achieved through the elaboration of policy briefs to

foment sustainability and carbon neutrality in ports as well as establishing links, bridges and synergies to support sustainable ports.

For the extension, the partnership of PORTOS project was strengthened. On the one hand, new case study ports were involved (Port of Tenerife, Ports of Azores and Falmouth Harbour), extending the geographical reach of the project and assessing in the specific needs of ports in small islands. On the other hand, two private companies, Asturmadi Reneergy and Eco Wawe Power, with high expertise in developing and implementing cutting-edge energy conversion technologies, are included in the project, with the aim of developing relevant pilot actions in the case study ports.



As for project events, the University of Oviedo organized their fourth OpenLab on October 14. This event was held at the Civil Navy School of Gijón and it involved participants from a wide variety of contexts. It featured a welcoming session, a series of keynotes from the academy and industry and a coffee break where the attendees engaged and discussed with the speakers.

Shannon Foynes held an online OpenPort event that lasted for the first week of October. The goal of the event was to present to the society with the challenges that ports are facing, and more importantly, how the research that is being conducted at the PORTOS project is assisting in meeting those challenges.

MaREI invited the local community to Lir National Ocean Test Facility in the Beaufort Building in Ringaskiddy for an OpenLab event. Five dates were selected for the celebration of this event, ranging between January 27 and February 24. Visitors were welcomed to engage with speakers from academia and industry. Tours of the labs were organized, including demonstrations of technologies in the ocean tank and wave and tidal flume.



On February, the University of Oviedo research team joined forces with the University of Porto research team in the framework of the PORTOS project, to test and analyse the behaviour of a novel technology designed to harvest the solar resources of the marine environment. The testing lasted for two weeks, and the results were very promising. This sort of technology could potentially help ports reach energy self-sufficiency targets.



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