

# PORTOS Newsletter

April 2020 - September 2020

PORTOS started its second project year and continues to promote sustainability in the Atlantic Area through advanced research on marine renewable energy for the supply of ports. Due to the COVID-19 pandemic, many project divulgation events had to be rescheduled. Fortunately, the research actions are ongoing, and the major project outcomes are being achieved.

On June 29, the research teams of the University of Oviedo (UniOvi) and the University of Santiago de Compostela (USC) joined forces to test and analyse the behaviour of a variety of hydrokinetic microturbines. The testing lasted for five days and is part of a complete evaluation and optimization of stream energy conversion technologies. The results are being used for optimizing river and tidal stream energy harvesting for the Shannon Foynes Port (Ireland) and other Atlantic Area ports. Physical models were tested in the wave-current flume of the Hydraulic Engineering laboratory of the USC in Lugo, Spain. The testing was successful, and results are expected to be disseminated soon in international scientific conferences and journals.



The 1<sup>st</sup> call for renewable energy device testing was managed by University College Cork (MaREI). The submitted applications were reviewed by an independent selection panel and on July 30, the 7 selected projects were announced. A list of the successful companies per testing facility is presented below:

- University of Porto (Portugal): Limerick Wave Ltd. and Seaturns;
- IH Cantabria (Spain): IDOM Consulting and Rotary Wave SL;
- University of Plymouth (UK): Pytheas Technology and Bluenewables; and
- UniOvi (Spain): Asturmadi Reneergy, SL.

Each technology will be tested for at least two weeks at the specified facilities between August 2020 and March 2021. A 2<sup>nd</sup> call for marine renewable energy testing was made on September 1, to test additional devices or novel ideas in the facilities of the USC, UniOvi and Ecole D'Ingénieurs Généralistes EIGSI.

Following the recommendations of the authorities and public health agencies, no face-to-face activities took place. This decision affected some core events of PORTOS, such as the OpenPort and OpenLab days, which were postponed. The Coordination Meeting and Thematic Seminar to be held by INNOSEA in France was also postponed to November 9 and 10 for the same reason. The seminar will be directed to academia and industry and include the following topics:

- Communications from PORTOS partners based on project outcomes;
- Potential and innovation in renewable energies: focus on Northern Europe; and
- Ports ecological transition and activity diversification.

*PORTOS is a project co-financed by the Interreg Atlantic Area Programme through the European Regional Development Fund [grant number EAPA\_784/2018].*