

PORTOS - Ports towards energy self-sufficiency

Lead Partner: Universidade do Porto (PT)

Total budget: EUR 2.625.180 | ERDF: 1.968.885

Duration: 01.04.2019 - 31.03.2022

Summary

Sea ports need high-energy supplies and are a source of air pollution, two environmental problems that can be minimized by using renewable energy. Considering the convergence of resources, infrastructures and facilities in ports, marine renewable energy arises as a promising alternative.

PORTOS aims to assess, develop and promote the integrated use of renewable energy resources in Atlantic Area ports and increase their energy efficiency, establishing a roadmap to a more competitive and sustainable sector. The main objective is to develop and promote the implementation of renewable energy, especially marine renewable energies such as wave, tidal and wind energy, at Atlantic Area ports. Moreover, PORTOS aims to address two environmental priorities for ports, reduction of greenhouse gases emissions and air pollution, by providing renewable energy-based solutions to harvest the renewable energy potential of Atlantic Area coastal areas.

Partnership

- > Universidade de Santiago de Compostela (ES)
- > Ecole d'Ingénieurs en Génie des Systèmes Industriels (FR)
- > Universidad de Oviedo (ES)
- > University of Plymouth (UK)
- > Instituto de Ciência e Inovação em Engenharia Mecânica e Engenharia Industrial (PT)
- > Fundación Instituto de Hidráulica Ambiental de Cantabria (ES)
- > Administração dos Portos do Douro, Leixões e Viana do Castelo, SA (PT)
- > Autoridad Portuaria de Vigo (ES)
- > INNOSEA (FR)
- > University College Cork, National University of Ireland, Cork (IE)
- > Shannon Foynes Port Company (IE)

Associated partners:

- > Organismo Público Puertos del Estado (ES)
- > Agência para a Energia (PT)
- > Nantes - Saint Nazaire Port (FR)
- > Cattewater Harbour Commissioners (UK)
- > Padstow Harbour Commissioners (UK)
- > WindEurope (BE)

