

CIRCULARSEAS - Turning ocean plastic waste into green products for maritime industries

Lead Partner: Leartiker S. Coop. (ES)

Total budget: EUR 1.996.834 | ERDF: 1.497.626

Duration: Apr 2019 – Mar 2022

Summary

Atlantic Area maritime industries can become front-runners in the Green Growth economy by embracing new manufacturing technologies for the delivery of greener products. This challenge demands a shared vision and strategy for the transfer of such technologies to maritime industries. CircularSeas aims at promoting the Green Economy by encouraging the development of eco-innovative or green products, parts and components by Maritime Industries. Approaches include the transfer of necessary tools through a combination of 3D Printing technology and the use of recycled ocean plastic waste and biodegradable, renewable and high performance polymers; viable business cases for the production of green parts; and an open innovation and experimentation environment in 6 Atlantic Ports.

The strategy is a combination of Circular Economy Principles, with the use of Ocean Plastic Waste as a means to develop new green materials and the introduction of new greener materials, and the uptake of an advanced manufacturing technology, 3D printing, flexible enough to adapt to the manufacturing conditions for new eco-innovative small and medium parts and components. The target maritime industries are fishing, auxiliary fishing and aquaculture, shipyard and port management and nautical sports.

Partnership

- > Universidade de Vigo (ES)
- > Azaro Fundazioa (ES)
- > Université de La Rochelle (FR)
- > Cork Institute of Technology (IE)
- > University of Plymouth (UK)
- > Instituto Politécnico de Leiria (PT)
- > Communauté d'Agglomération de La Rochelle (FR)

Associated partners:

- > Organización de Productores de Pesca de Altura del Puerto de Ondarroa (ES)
- > Centro de Formación Profesional Náutico Pesquero de Ondarroa (ES)
- > Fundación HAZI Fundazioa (ES)
- > Syndicat Mixte Port de Pêche La Rochelle Chef de Baie (FR)



ATLANTIC AREA PROGRAMME 2014-2020

