



*TURNING OCEAN PLASTIC WASTE INTO GREEN
PRODUCTS FOR MARITIME INDUSTRIES*



CircularSeas aims at promoting the Green Economy by encouraging the development of eco-innovative or green products, parts and components for the Maritime Industries. The strategy is a combination of the 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, which is flexible enough to adapt to the manufacturing conditions required 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.

Turning Ocean Plastic Waste into Green Products for Maritime Industries

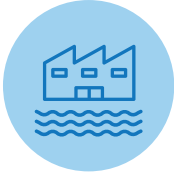
Overall Objective is to promote the development of ecoinnovative or green products, parts and components by 3 Maritime Industries, by the combination of 3DP technology and the use of recycled ocean plastic waste and new biodegradable, renewable and high performance polymers.

The CircularSeas project is co-financed by the European Regional Development Fund through the Interreg Atlantic Area Programme

ERDF Funding: 1.497.626 €

Total Budget: 1.996.834 €

April 2019 - March 2022



Approach

Ocean and Maritime Industries linked plastic pollution is a reality that needs a solution. Green or Circular economy is called to be the key to revert it.



Main Objectives

Promotion of green economy in the Atlantic Area through the development of eco-innovative products, parts and components by maritime industries;

Uptake of an advanced manufacturing technology, 3D printing.



Issues to be solved

Ocean Plastic Waste, as well as Maritime Industries generating plastic wastes reduction.

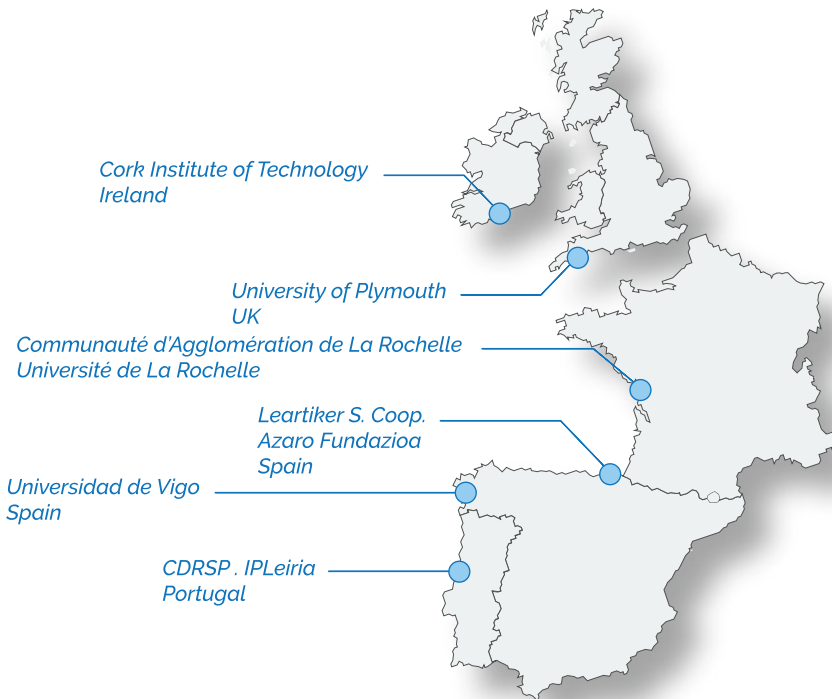
The adoption of new technologies, like 3d printing; Revitalization of economy.



Expected Results and Impacts

- Increase the collection and valorization of Ocean Plastics Waste;
- Reduction on the use of plastic based parts in the Maritime Industries;
- Diversification of economic activities linked to Green Growth.

CIRCULARSEAS TEAM



WORK PACKAGES

WP1

Coordination

Leader: LP. LEARTIKER; Participants: ALL

WP2

Communication

Leader: P7. IPLeiria; Participants: ALL

WP3

Capitalization

Leader: LP. LEARTIKER; Participants: ALL

WP4

Diagnosis on Circular Plastic For Maritime Industries

Leader: P3. AZARO; Participants: ALL

WP5

Definition of Business Cases For New Green Products Manufactured by 3DP

Leader: P5. CIT; Participants: ALL

WP6

Development And Pilot Test of New Green Products Manufactured by 3DP

Leader: LP. LEARTIKER; Participants: ALL

WORK PACKAGES





EUROPEAN UNION



CIRCULARSEAS

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