

MAELSTROM

Smart technology for MAriNE Litter SusTainable RemOval and Management

Pillar IV
Healthy oceans and resilient coasts

7 | The fight against marine pollution



MAELSTROM strives to provide answers and diversified solutions to the complex question to the removal and sustainable treatment of marine litter legacy.

Overview

MAELSTROM leverages on the integration of complementary technologies for marine litter removal in different European coastal ecosystems, compounded with full-fledged circular economy and societal oriented solutions. The project:

- sets out a multidisciplinary and scientifically sound approach for the assessment of marine debris distribution and impact on marine life in highly valuable ecosystems and protected areas;
- designs and manufactures scalable, replicable and automated technologies, co-powered with renewable energy and second generation fuel, to identify, remove and sort marine litter;
- evaluates over time the effectiveness of marine litter removal devices along with their impact on local ecosystems;
- integrates different technologies to track, sort and recycle all types of collected marine litter into valuable raw materials for future marketisation;
- assesses the economic and societal impact of the MAELSTROM solutions providing also a comprehensive life-cycle assessment of the technologies and products;
- enhances social awareness about the marine litter issue and engages citizens and stakeholders in MAELSTROM activities;
- interplays with similar projects to maximize innovation uptake for marine litter removal within and outside the EU.

Project funding

Total cost:
6,809,461.25 euros

EU funding:
5,988,295.63 euros

Funding instrument:
Horizon 2020

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CONSIGLIO NAZIONALE
DELLE RICERCHE



Consiglio Nazionale
delle Ricerche

Impact & Results

The project will design, manufacture and integrate scalable, replicable and automated technologies, co-powered with renewable energy and second-generation fuel, to identify, remove, sort and recycle all types of collected marine litter into valuable raw materials.

PARTNERS



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