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Nationality: Spanish

Orientation: Integrated Management of the Sea
Specialization Area: Analysis and Environmental assessment
Research Area: 3.6 Pollution and environmental impacts



PhD project: Modeling the drift of floating marine debris in the northern Iberian waters

Supervisors: Dr. Carlos Souto Torres (University of Vigo)
Dr. Jesús Gago Piñeiro (Spanish Oceanographic Institute)

Summary: Floating marine debris is distributed worldwide through the oceans and poses a serious threat to marine ecosystems. Field data and model results show high concentrations of floating marine debris in the Bay of Biscay.

The Regional Ocean Modeling System (ROMS) is used to investigate the origin and fate of floating marine debris in the northern Iberian waters. In particular, the influence of seasonality, the upwelling-downwelling cycle and mesoscale activity on the distribution of floating marine debris is considered.



Plastic debris from the Bay of Biscay