



MarineGuardian

Strengthening Sustainable Fisheries and Protecting Marine Ecosystems

The aim is to advance and demonstrate fishing gears, tools, technologies and practices that will effectively reduce the negative impact of fisheries such as bycatch and mortality of sensitive species and juvenile fish, for more sustainable and economically viable fishing practices and protection of habitats.

Global marine fisheries have remained around 80 million tonnes a year for the past three decades, contributing to food security and job creation. The seafood industry is however in general unsustainable, with 38% of assessed stocks overfished and other major ecological implications.

MarineGuardian will, through a holistic approach, provide impact-driven solutions to reduce fisheries' environmental impacts on marine species and habitats.



Knowledge and Data Integration



Innovation and Technology for Marine Monitoring



Governance, Policy and Societal Engagement



Sustainability and Blue Economy Transition

6 cases studies and 44 solutions

Greenland

Advance a combined codend trawl camera with frontend presenting the processed catch data enabling near real-time analysis of catch for fishers, and develop an industry-based survey platform where commercial vessels can report information for improvement of knowledge and fisheries management.

Iceland

Implement modifications to fishing gears to reduce the interaction and by-catch of marine mammals and elasmobranchs, decrease seabed contact and plastic pollution, develop systems to improve the efficiency of fisheries and enhance knowledge useful for marine research about stocks and bycatches.

Barents Sea

Advance onboard decision support systems using historic data and oceanic models to predict bycatch and real-time automatic catch registration to reduce bycatch.



Canada – Newfoundland

Advance new trawl and gear designs to reduce bycatch, decrease seabed contact and lower CO2 emissions; improve onboard decision support system to increase fisheries operational and energy efficiency.

West of Scotland

Advance Smartrawl, a system designed to reduce bycatch and discards. Test Displace, an application to improve selectivity onboard vessels, reduce the seabed impact and the carbon footprint.

Bay of Biscay & Iberian waters

Implement innovative mitigation measures across different types of fishing gear to reduce bycatch and protect sensitive species. Data from these tests will feed into smart software to support fishers in making more selective choices and lowering their environmental impact.

About us

Coordinator
Matís

Project coordinator
Jónas Viðarsson

Grant agreement
101212608

Our partners



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Funded by the European Union

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