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RESEARCH AND INNOVATION WILL HELP TO ACHIEVE HEALTHY, CLEAN OCEANS AND SEAS BY 2030

It ensures the potential of the oceans and seas, their ecosystems and bioeconomies by promoting the sustainable use of marine resources for full benefit and well-being of European citizens.

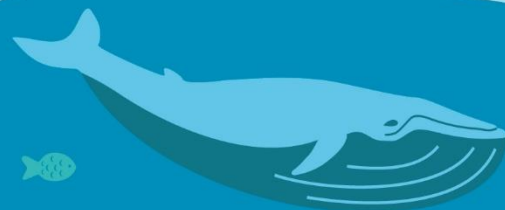
€ 260 million is invested per year under the Horizon 2020 –the EU Research and Innovation Framework Programme, on a wide range of topics on Oceans and Seas (analysis of marine ecosystems, clean shipping, underwater noise, marine pollution etc.).



PROJECT EXAMPLES

Respon-SEA-ble project has developed ocean literacy interactive tools to connect people to their seas to help them better understand the complex human-ocean relationship.
<https://www.responseable.eu/>

ODYSSEA project will develop, operate and demonstrate an interoperable platform that integrates networks of observing and forecasting systems across the Mediterranean basin, addressing both the open sea and the coastal zone.
<https://cordis.europa.eu/project/rcn/210487/factsheet/fr>



HOW IS RESEARCH AND INNOVATION SHAPING GLOBAL OCEAN GOVERNANCE FOR THE FUTURE?



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By strengthening international ocean research and data,
supporting the EU's Integrated Maritime Policy and Sea Basin Strategies

POLICY COOPERATION

All Atlantic Ocean Research Alliance addresses ocean observation, food security, polar research and climate variability.

It contributes to the joint communication on International Ocean Governance.

The **BLUEMED** initiative fosters marine research and innovation for a healthy, productive and resilient Mediterranean Sea.

In May 2019 a Strategic Research and Innovation Agenda for the Black Sea Basin will be launched.

WHAT IS THE EU DOING TO SUPPORT RESEARCH AND INNOVATION FOR A HEALTHY BLUE PLANET?



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Through Horizon 2020
the EU Research and Innovation Programme:

€140 million allocated to
implement the activities of the
All Atlantic Ocean Research Alliance

Over 500 marine research teams
conducting Atlantic ocean research
(1000 expected by 2020)

€50 million to support the BLUEMED initiative

AtlantOS project will advance and innovate Atlantic observation by using the Framework of Ocean Observing to obtain an international, more sustainable, more efficient, more integrated, and fit-for-purpose system.

<https://www.eu-atlas.org>

Atlas project will gather diverse new information on sensitive Atlantic ecosystems to produce a step-change in our understanding of their connectivity, functioning and responses to future changes in human use and ocean climate.

<https://cordis.europa.eu/project/rcn/200481/factsheet/en>

A SUSTAINABLE BLUE ECONOMY HAS RESEARCH AND INNOVATION AT ITS CORE



19 projects with an EU contribution of **€62 million** have been funded under Horizon 2020 in the areas of marine litter, alternative packaging, plastic recycling and waste management. More than 8 million metric tonnes of plastic reach the ocean each year.



Under the Horizon Europe proposal for the next research and innovation programme, a **“mission area on oceans”** has been proposed.



The EU will harness the **potential of the bioeconomy** to tackle plastic pollution in European seas and oceans, in inland waters, and to restore water quality and ecosystems.

PROJECT EXAMPLES

GoJelly project use jellyfish as source of innovative solutions to combat marine litter.
<https://gojelly.eu/>

TOPIOS project will create a novel comprehensive modelling framework that tracks plastic movement through the ocean.
<https://www.topios.org>

WHAT IS THE EU DOING TO SUPPORT INDUSTRY IN THE TRANSITION?



FUNDING

The EU is providing funding for research into feedstock, product designs and business models, collection and sorting systems, mechanical and chemical recycling, composting and biodegradability as part of the transition to a circular economy for plastics.

Horizon 2020 has provided **OVER 250 MILLION EUROS** to finance research and innovation in areas related to the **EU Plastics Strategy**.

€100 MILLION to be spent during the remainder of **Horizon 2020** financing the development of **smarter and more recyclable plastics materials**, and making processes more efficient.

The Work Programme 2018-2020 includes funding calls for pilots for **CIRCULAR SYSTEMS IN PLASTICS**, developing frameworks for monitoring and assessment, and 'smart' plastics materials.

A **Strategic Research and Innovation Agenda on plastics** is being developed to provide **guidance for research and innovation funding after 2020**.

5.5 BILLION EUROS of **Cohesion Funds** have been dedicated to **improve waste management** across Europe.



Horizon Europe – What? and what next?