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# EU MISSIONS

**RESTORE OUR OCEAN & WATERS**

**Concrete solutions for our greatest challenges**



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**#EUmissions #HorizonEU #MissionOcean**



## Mission EU policy priority

*“Every problem is an opportunity for innovation. But we need a clear and ambitious objective. We need a mission, like the European Green Deal.*”

*That is why we have launched the ‘Mission to Restore our Ocean and Waters by 2030’. With **EUR 0.5 billion in funding** from the world's largest research and development programme, Horizon Europe, and other instruments.”*

EC President Ursula von der Leyen, 11 Feb 2022  
[https://ec.europa.eu/commission/presscorner/detail/en/SPEECH\\_22\\_962](https://ec.europa.eu/commission/presscorner/detail/en/SPEECH_22_962)



## Focus of our discussion today...

- What are the **opportunities** to develop circular economy initiatives in the Mediterranean ?
- How can we **benefit** a sustainable marine environment?
- And how to make the **blue economy** carbon neutral and circular?



# Mission objectives and targets

## Restore our Ocean and Waters by 2030

### PROTECT AND RESTORE MARINE AND FRESHWATERS ECOSYSTEMS AND BIODIVERSITY

- Protect at least 30% and strictly protect 10% EU's sea areas
- Restore 25.000 km free flowing rivers
- Marine nature restoration targets (incl. degraded seabeds, coastal ecosystems)

### PREVENT AND ELIMINATE POLLUTION OF OUR OCEANS, SEAS AND WATERS

- Reduce by at least 50% plastic litter
- Reduce by at least 30% microplastics
- Reduce by at least 50% nutrient losses, chemical pesticides

### MAKE THE BLUE ECONOMY CARBON- NEUTRAL AND CIRCULAR

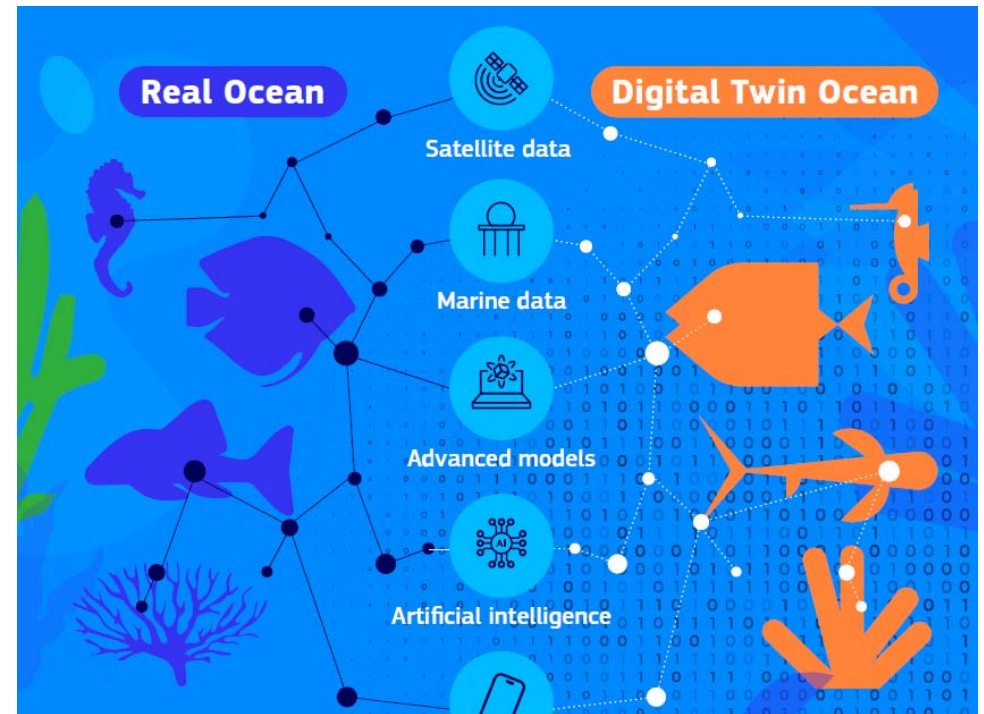
- Net zero maritime emissions
- Zero carbon aquaculture,
- Low carbon multipurpose use of marine space

### ENABLERS

Digital Ocean and Waters Knowledge system

Public mobilization and engagement

# Enabler 1: Digital Ocean and Waters Knowledge System





# Enabler 2: Public Mobilisation

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## Co-creation and co-design

- Co-design of Mission
- Citizen Assemblies

## Citizen Science

- ERA Plastic Pirates
- CSA Citizen Science

## Education, Literacy & Awareness

- EU4Ocean coalition
- Youth engagement
- Student and school initiatives (Blue Schools)
- Choose your fish campaign

## Stewardship and volunteering

- Community-driven business models





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## Mission lighthouses:

sites to pilot, demonstrate, develop and deploy the Mission activities across EU seas and river basins



Baltic & North sea basin



**MAKE THE BLUE ECONOMY CARBON-NEUTRAL AND CIRCULAR**

Mediterranean sea basin



**PREVENT AND ELIMINATE POLLUTION OF OUR OCEAN, SEAS AND WATERS**

Danube river basin



**PROTECT AND RESTORE MARINE AND FRESHWATERS ECOSYSTEMS AND BIODIVERSITY**

Atlantic & Arctic coast



## The Mediterranean lighthouse

Objective: preventing and eliminating pollution of our ocean, seas and waters

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- Targets:
- Reduce by at least 50% plastic litter at sea.
- Reduce by at least 30% microplastics released into the environment.
- Reduce by at least 50% nutrient losses, the use and risk of chemical pesticides







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# EU R&I Programmes

Horizon 2020 (2014-2020)  
Horizon Europe (2021-2027)



**HORIZON 2020**

Societal Challenge 2:  
Food Security, Sustainable Agriculture and Forestry, Marine and Maritime and Inland Water Research and the **Bioeconomy**

Budget for SC2:  
> €3,8 billion  
more than double  
of FP7 budget



European Commission

#HorizonEU

**HORIZON EUROPE**

THE EU  
RESEARCH & INNOVATION  
PROGRAMME 2021 – 27

Research and Innovation

This presentation is based on the political agreement of 11 December 2020 on the Horizon Europe: Information on some paths to enabling innovation  
19 March 2021

Mission  
Ocean and  
Waters:  
ca 350 M€ in  
2021-2023

## Marine research funding under Horizon 2020 by sector (€ million)

Sector	EU Funding (€ millions)
Ocean Observation	677
Blue Growth	448
Blue bioeconomy and biotechnology	345
Aquaculture	204
Marine biodiversity	114
Marine pollution	101
Marine litter	93
Fisheries	80
Coastal tourism	53
TOTAL	2115

Source: [The EU blue economy report 2022](#)

# HE Pillar II. Budget for clusters & for JRC

*in current prices*

<b>Cluster 1</b>	<b>Health</b>	<b>€8.246 billion</b> (including €1.35 billion from NGEU)
<b>Cluster 2</b>	<b>Culture, Creativity &amp; Inclusive Societies</b>	<b>€2.280 billion</b>
<b>Cluster 3</b>	<b>Civil Security for Society</b>	<b>€1.596 billion</b>
<b>Cluster 4</b>	<b>Digital, Industry &amp; Space</b>	<b>€15.349 billion</b> (including €1.35 billion from NGEU)
<b>Cluster 5</b>	<b>Climate, Energy &amp; Mobility</b>	<b>€15.123 billion</b> (including €1.35 billion from NGEU)
<b>Cluster 6</b>	<b>Food, Bioeconomy, Natural Resources, Agriculture &amp; Environment</b>	<b>€8.952 billion</b>
	<b>JRC (non-nuclear direct actions)</b>	<b>€1.970 billion</b>

Clusters are including a budget for Partnerships and Missions  
NGEU is Next Generation EU programme – Recovery Fund

## Horizon Europe - MISSION OCEAN Work Programmes/ Calls

2021

CALL - EUR 122.75 million €  
**Projects portfolio selected, ~ 130 M€**

2022

CALL - EUR 117.9 million € - evaluations on-going

2023

WP Adoption expected on 25 Nov – new Call for proposals by end 2022

# HE- Mission Calls and projects 2021-2022

## Objective 1

### PROTECT AND RESTORE

Marine and freshwaters

#### Blue Parks:

2 IAs: MPA management, degraded ecosystems

#### Danube lighthouse

- CSA
- IAs: restoration of river connectivity, wetlands

#### Atlantic & Arctic lighthouse:

- CSA
- 2 IAs : coastal restoration, climate resilience/adaptation of coastal areas (joint topic with Mission Climate)

## Objective 2

### PREVENT AND ELIMINATE POLLUTION IN OCEAN AND WATERS

#### Mediterranean lighthouse

- CSA
- 2 IAs :
  - prevention, reduction and elimination of plastic & litter, prevention;
  - reduction and elimination of chemical pollution
- Cross-basin topics:**
  - plastic free European rivers,
  - low environmental impact fishing gear

## Objective 3

### MAKE THE BLUE ECONOMY CARBON-NEUTRAL AND CIRCULAR

#### Baltic & North Sea lighthouse

- CSA
- 2 IAs:
  - sustainable aquaculture and multi-use of marine space
  - bringing algae-based products on the market)



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**WHAT CAN YOU DO TO ACHIEVE  
THE MISSION OBJECTIVES?**



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# Mission Charter

**Become part of this Mission**

# MISSION CHARTER



The Mission Charter is meant to **mobilize** all stakeholders to achieve the goals of the Mission, strengthening **cooperation**, aligning **efforts** and achieving **critical mass** for the transformational **change** needed to restore our oceans and waters. by 2030.

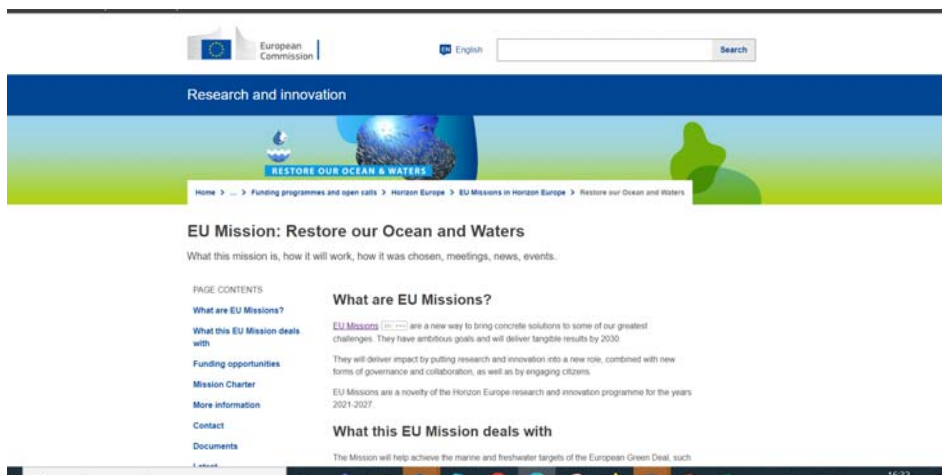
[The Charter for the Mission “Restore our Ocean and Waters by 2030” \(europa.eu\)](https://europa.eu)  
[EUSurvey - Survey \(europa.eu\)](https://europa.eu)



## Why to adhere to the Charter?

- ✓ **Send a clear signal** on the importance to protect our waters
- ✓ Be involved in major Mission events increasing the **visibility** of your actions
- ✓ Multiply your opportunities for **networking**, exchanges of experiences
- ✓ Be part of a **community of practice** involving entire EU sea/river basins
- ✓ Benefit from **Mission services** and tools to empower citizens and young people to take action, to share marine/maritime knowledge and data
- ✓ Benefit from a dynamic **investment** ecosystem and advisory services

# Be part of the Mission: adhere to the Charter



[Restore our Ocean and Waters \(europa.eu\)](https://europa.eu)

## Mission Charter

We are calling on Member States, regions and a wide range of stakeholders to endorse the [Charter](#) <sup>EN</sup> and pledge actions that will contribute to the successful implementation of the Mission and its lighthouses.


Please click below to endorse the Charter and pledge actions

[Endorse the Charter](#)



Action pledges submitted so far: [interactive map](#) <sup>EN</sup>

## More information

- [mission-oriented policy for Horizon Europe](#) <sup>EN</sup>
- [Horizon Europe](#) <sup>EN</sup>
- [co-design session on oceans mission at Research and Innovation Days \(video\)](#) 
- [EU Missions info days 2022](#) <sup>EN</sup>

## Contact

[RTD-HORIZON-EUROPE-MISSION-OCEANS@ec.europa.eu](mailto:RTD-HORIZON-EUROPE-MISSION-OCEANS@ec.europa.eu)

Adhere to the Charter by filling-in the form on [EUSurvey - Survey \(europa.eu\)](#)

# Your contribution on the Mission Atlas

The screenshot displays the Mission Atlas interface. On the left, a legend titled "Layers (1) Legend" lists mission actions for the year 2022, each represented by a lighthouse icon: Research and innovation (blue), Evidence-based knowledge and data (green), Upscaling, deployment and replication of solutions (yellow), Citizen engagement, outreach, awareness raising (pink), Education and training (red), and Past actions (grey). The map shows these markers across Europe, with a yellow callout box stating "Click on the map to get feature info". A detailed information panel on the right, titled "Mission Actions - EU Mission Restore our Ocean and Waters (3 of 3)", provides the following details:

- Title of the action:** Mission Ocean and waters work programme 2021, Horizon Europe
- Short description:** The Mission Ocean and waters work programme includes calls for R&I proposals addressing the Mission objectives and enablers.
- Name of organisation:** European Commission
- Budget:** 114,3 Million Euro
- End date of action:** 12/04/2022
- Website:** [Link]

The interface also includes a scale bar (0-400km), a search bar, and navigation controls. The map is powered by EMODnet, with logos for Esri, HERE, Garmin, FAO, NOAA, and USGS at the bottom.



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# OUR OFFER

## What are the benefits of being part of this Mission?

-  **Visibility** and promotion of your actions as a **Mission Actor**
-  Opportunities for **networking** and sharing **best practices**
-  Access to **Literacy** and **education tools**
-  Access to the **Mission implementation Platform services** (access to knowledge, projects portfolio, information on funding...)
-  Investment **opportunities** and **advisory services**
-  **Awards** (through services) for the best **bluer champions**
-  Access to **support from Lighthouse CSA / Facility** (support to develop science and transition roadmaps, skills training ...)

## AWARD SERVICES TO PORTS - CITIES/REGIONS - ISLANDS



Awards (through services) for the best **bluer champions**

- ✓ **SUPPORT** to establish own **TRANSITION AGENDAS** to achieve the Mission's objectives, in own context and by co-creation among local stakeholders
- ✓ **VISIBILITY** via Mission and CSA-BlueMissionMed lighthouse channels
- ✓ **NETWORKING** events and support (travel and accommodation) to key stakeholders attending some Mediterranean Lighthouse Workshops and Events;
- ✓ **ORGANISATION** of some BlueMissionMed **EVENTS** in the bluer champions locations (city, port, island )
- ✓ **ACCESS** to several **SERVICES** to stakeholders (Ecosystem enablers network; support to regional/national policy, access to a catalogue of best practices, mentoring services; initiatives involving citizens at local level..).



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# Thank you!

**#MissionOcean**

**#EUmissions**

**#HorizonEU**

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