



EUROPEAN UNION



# EU MISSIONS

**RESTORE OUR OCEAN & WATERS**

**Concrete solutions for our greatest challenges**



#EUmissions #HorizonEU #MissionOcean



# European Missions

- European Missions – a new way bringing innovative solutions
- **My Mission?** to restore the health of our ocean and waters!
- **Why a Mission?** It tackles the problem in a European scale
- **What it delivers?** Impact though:
  - Innovative technological, social business
  - New forms of governance
  - Citizens participation



# What are European Missions?

European Missions are a new way to bring **concrete solutions** to some of our **greatest challenges**

They have **ambitious goals** and will deliver **concrete results** by 2030

Each mission will operate as a **portfolio of actions** – such as research projects, policy measures or even legislative initiatives - to achieve a measurable goal that could not be achieved through individual actions



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EU MISSIONS  
RESTORE OUR OCEAN & WATERS



# Mission Restore our Ocean and Waters by 2030 a system approach

## Mission Board Report (2020)

Proposed Mission:  
**Mission Starfish 2030:  
Restore our Ocean  
and Waters**  
Report of the Mission Board  
Healthy Oceans, Seas, Coastal and Inland Waters

Independent Expert Report

RESTORE OUR OCEAN AND WATERS

- FILLING THE KNOWLEDGE AND EMOTIONAL GAP
- ZERO POLLUTION
- REGENERATING MARINE AND FRESHWATER ECOSYSTEMS
- RECARBONISING OUR OCEAN, SEAS AND WATERS
- REVAMPING GOVERNANCE

Research and Innovation

## EC Communication

Communication from  
the Commission to the  
European Parliament, the Council,  
the European Economic and  
Social Committee and  
the Committee of the Regions on

**European  
Missions**

Research and Innovation

## Implementation Plan

European  
Missions

**Restore our Ocean  
and Waters by 2030**

Implementation Plan

This is an internal working document of the European Commission. Therefore the budget figures mentioned are approximate and the document will be updated. It is made public for information only and does not bind the European Commission. The European Commission is not liable for any consequence stemming from the reuse of this document.

Research and Innovation



# 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

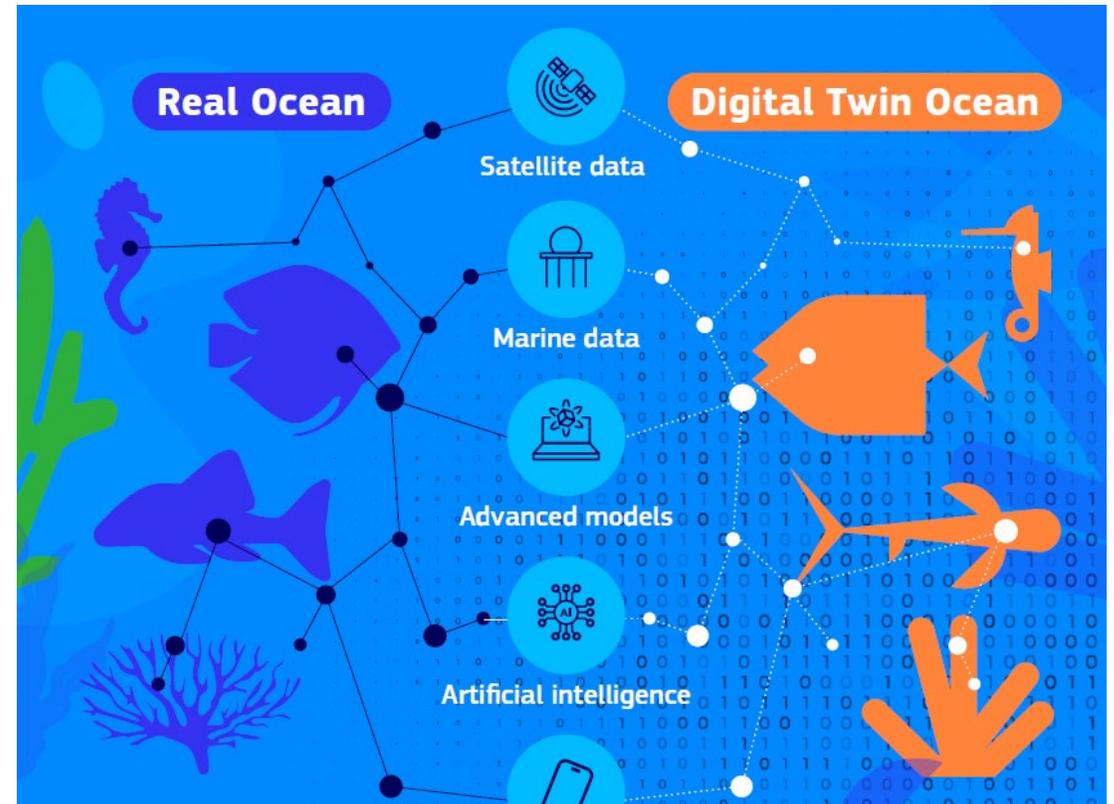
### ENABLERS

Digital Ocean and Waters Knowledge system

Public mobilization and engagement



# Enabler: Digital Ocean and Waters Knowledge System





# Enabler: Public Mobilisation

## 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





## 4. Horizon Europe - Work Programmes/ Calls

2021

CALL - EUR 122.75 million €

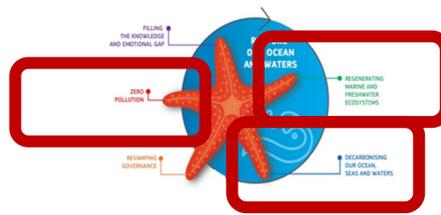
Projects portfolio selected, ~ 130 M€

2022

CALL - EUR 117.9 million € - evaluations on-going

2023

WP Adoption expected on 25 Nov



# HE- Mission Work Programme 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)



# Mission Charter



# 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.



# Mission Charter action areas

- ✓ **Research and innovation:** mobilise your programmes, instruments and resources for healthy ocean and waters and a sustainable blue economy
- ✓ **Upscaling, deployment and replication of solutions:** support well-functioning innovation ecosystems and its different components: finance, investments, infrastructures, talents, regulations, ...
- ✓ **Evidence-based knowledge and data:** generate, use and share authoritative knowledge and data in marine, maritime and biodiversity domains in line with FAIR principles and feed the Mission Ocean Knowledge System and Mission baseline studies
- ✓ **Outreach, public mobilisation and engagement:** promote involvement and citizen-led initiatives; ocean literacy; awareness raising and participatory approaches
- ✓ Establishment of **communities of practice** to serve as fora for co-design, exchanges of experiences, tools and good practice, to coordinate actions and to take stock of progress<sup>16</sup>



# Why to adhere to the Charter and what do we offer?

- ✓ **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 one of the **best bluer champions**



- What are EU Missions?
- What this EU Mission deals with**
- Funding opportunities
- Mission Charter
- More information
- Contact
- Latest
- Related events
- Documents
- Related links

## Funding opportunities

New funding opportunities are now open to contribute to the Mission implementation.

The Horizon Europe Work Programme 2021-2022 amendment was adopted on Tuesday 10 May. Under this amendment, new calls have opened and they are published on the [funding and tenders portal](#). You can access the calls for this Mission below. Applications are open until 27 September 2022.

[Open calls](#)

## Mission Charter

We are calling on Member States, regions and a wide range of stakeholders to endorse and pledge actions that will contribute to the successful implementation of the Mission lighthouses.

Please click below to endorse the Charter and pledge actions

[Endorse the Charter >](#)

## More information

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

# Mission website Link to Endorse the Charter

# Endorse the Charter >

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



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# Thank you!

**#MissionOcean**

**#EUmissions**

**#HorizonEU**

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