

EU MISSIONS

RESTORE OUR OCEAN & WATERS

Concrete solutions for our greatest challenges

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What are EU Missions?







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

4





Enabler 1: Digital Ocean and Waters Knowledge System







Enabler 2: 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



Mission lighthouses:

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



 Baltic & North sea basin
 Medite

 Make the Blue
 Bubbe

 Bake the Blue
 Bubbe

 Ba

Danube river basin

PROTECT AND RESTORE MARINE AND FRESHWATERS ECOSYSTEMS AND BIODIVERSITY

Mediterranean sea basin

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

Atlantic & Arctic coast

The Mediterranean lighthouse

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

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







SYNERGIES – Teaming up beyond EC / HE level

Across different EU Programmes

Horizon Europe, EMFAF (European Maritime, Fisheries and Aquaculture Fund), Life, Inter-Reg, InvestEU

With Member States and Regions

National and regional programmes / initiatives, partnerships

With International partners / initiatives

UN Decade Ocean Sciences, Union for the Mediterranean, Alliances (e.g. AAORA: All-Atlantic Ocean Research Alliance) **With public & private sectors, and investors** Universities, Joint Undertakings, EIB, EBRD, philanthropy

With citizens and youth

Citizens initiatives, EU4Ocean (European Ocean Coalition), Youth ocean Ambassadors





A synergy info pack by CORDIS





MISSION CHARTER

'Καταστατικός Χάρτης'



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.

<u>The Charter for the Mission "Restore our Ocean and Waters by 2030" (europa.eu)</u> <u>EUSurvey - Survey (europa.eu)</u>





Your contribution on the Mission Atlas



Esri, GEBCO, DeLorme, NaturalVue EMODnet





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**
- **R** 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 **blue champions**

Access to **support from Lighthouse CSA / Facility** (support to develop science and transition roadmaps, skills training ...





What has been implemented so far?

EC actions in 2021-2022

HORIZON EUROPE

Work Programme, Calls, Projects



Mission Ocean and Waters: ca 350 M€ for R&I projects in 2021-2023





Horizon Europe - MISSION OCEAN Work Programmes/ Calls







Delivering on ENABLER 1: DIGITAL OCEAN and WATERS KNOWLEDGE SYSTEM



➢ Building the EU DTO:30 M€ investments in WP 2021-23

2021

-Underlying models for the European Digital Twin Ocean (IA, **7** M€) -EU Public Infrastructure for the European Digital Twin Ocean (GIB, **3**M€)

2022:

-Integration of biodiversity monitoring data into the Digital Twin Ocean (IA, **10 M€**)

-European DNA library of marine and freshwater species (CSA, 2 M€)

A Blue Economy Observatory launched by JRC

a new knowledge dissemination platform for the sustainability of our oceans, seas and coastal

areas. The new observatory will focus on socio-economic components of the maritime related 24 sectors.





Delivering on ENABLER 2: CITIZENS MOBILISATION AND ENGAGEMENT



2021 : Relation of young generations with the sea and water: values, expectations, and engagement (RIA, **1 million EUR**) + Piloting citizen science in marine and freshwater domains (CSA, **1 million EUR**) + Europeanisation of Plastic Pirates Citizen Science Initiative (IBA, **2 million** EUR)

2022 : Student and school activities for the promotion of education on 'blue' sustainability and the protection of marine and freshwater ecosystems (CSA, **3 million EUR**, grants to third parties) + Towards local community-driven business models: regenerative ocean farming (CSA, **3 million EUR**/3 grants)

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2. Lighthouses

MOBILISATION OF MS/AC, REGIONS AND STAKEHOLDERS Several MS /regions committed to the Mission Participatory Workshops (Brest, Barcelona, Atlantic

KICK-OFF EVENTS FOR EACH LIGHTHOUSE -Mediterranean, Marseille, June 2022 -Atlantic-Arctic, Cork, Nov. 2022 -Danube: R&I Days Sept 2022 and main event in April







LAUNCH OF COORDINATION AND SUPPORT ACTIONS

one for each lighthouse Sea / river basins one overarching

For each event, the Mission is tailor-made for specific actors and communities (e.g. Ports, Regions) or sea / river basins





Key actors







EXAMPLES of actions by ISLANDS to achieve the MISSION objectives



Accelerate **energy transition** and self-sustainability in the islands (renewable energy, solar, waves, wind, geothermal...)



Protect and regenerate sea areas / beds (blue reforestation, Poseidonia, Marine Protected Areas and Blue parks...)



Implement **circular economy** plans and fight pollution (recycling discards and waste, from fisheries, beached residues...)



Measures to boost **coastal resilience** (sea-level rise, extreme events) and **self-sustainability** (water, sustainable desalinisation..)

EUMISSIONS RESTORE OUR OCEAN & WATERS

3. EU Projects Portfolio analysis

1400 EU PROJECTS ACROSS DIFFERENT EU PROGRAMMES CONTRIBUTE TO THIS MISSION their analysis and results will be available through the Mission Implementation Platform

A portfolio of projects from the following EU programmes: FP7, H2020, LIFE, Interreg, CEF, EMFF

Projects by thematic priority





EUROPEAN UNION Open calls in 2023



European Blue Parks – Protection and restoration of marine habitats	IA-8.8M€
HORIZON-MISS-2023-OCEAN-01-01	
Danube river basin lighthouse – Demonstration of effective and sustainable management of	
sediments in the Danube river-Black sea system	
HORIZON-MISS-2023-OCEAN-01-02	
Atlantic and Arctic sea basin lighthouse – Addressing climate change and human activities	
threats to marine biodiversity	
HORIZON-MISS-2023-OCEAN-01-03	
European natural lakes: demonstration of integrated approaches for protection and	
restoration of natural lake ecosystems and their biodiversity	
HORIZON-MISS-2023-OCEAN-01-04	
Lighthouse in the Baltic and the North Sea basins - Lighthouse in the Baltic and the North Sea	
basins - Green and energy-efficient small-scale fishing fleets	
HORIZON-MISS-2023-OCEAN-01-05	
Cross-basin topic - Innovative nature-inclusive concepts to reconcile offshore renewables with	
ocean protection	
HORIZON-MISS-2023-OCEAN-01-06	
Cross-basin topic - Analysis of the obstacles and opportunities for repurposing aged/unused	
offshore infrastructures	
HORIZON-MISS-2023-OCEAN-01-07	
Integration of socio-ecological models into the Digital Twin Ocean	
HORIZON-MISS-2023-OCEAN-01-08	
Roadmap towards the integration of inland waters into the Digital Twin Ocean	
HORIZON-MISS-2023-OCEAN-01-09	
Choose your fish: a campaign for responsible consumption of products from the sea	CSA-2M€
HORIZON-MISS-2023-OCEAN-01-10	
Ocean & water and arts: the contribution of creative sectors to Mission Ocean and waters	CSA 2M€
HORIZON-MISS-2023-OCEAN-01-11	

17 Jan 2023: Opening WP 2023 calls

20 Sep 2023: Applicationdeadline





Thank you!

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