EUROPEAN UNION

© European Union, 2021

EU MISSIONS

RESTORE OUR OCEAN & WATERS

Concrete solutions for our greatest challenges

Francesco Regoli
Università Politecnica delle Marche

Gianluca Sarà
Università di Palermo

#EUmissions #HorizonEU #MissionOcean

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

What are EU Missions?

The European Commission launched **five new EU Missions** – including the Mission “Restore our Ocean and Waters by 2030”

European Missions are **new broad mobilisation initiatives** to face the greatest challenges of our time

Rooted in the Horizon Europe research and innovation programme, **Missions go beyond R&I** and the existing instruments, cutting across policies, programmes and different levels of governance

They will develop and demonstrate innovative **technological, social, business and governance solutions,** and promote new forms of co-operation, allowing everyone to play an active role

EUROPEAN UNION

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

EUROPEAN UNION

Mission lighthouses: spaces of transformation to pilot, demonstrate, develop and deploy the Mission activities across EU.

Basin-level initiatives before being scaled up to European level in the second phase 2025-2030

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

Missions: Work Programme 2023-2024

Work Programme contains specific actions to support the implementation of Missions

Coordination among different Missions and other HE initiatives (European partnerships and Clusters)

Implemented in close synergy with funding, programmes and strategies both at Member State / Associated Country and regional levels, as well as with civil society and the private sector.

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

WP 2023-2024 - Mission Restore our Ocean and Waters by 2030

- ✓ **Single call** addressing 3 policy objectives as well the enabling activities:
  - **Protect and restore marine and freshwater ecosystems and biodiversity**
  - **Prevent and eliminate pollution of our oceans, seas and waters**
  - **Sustainable, carbon-neutral and circular Blue economy**
  - **Enabling activities: digital ocean & water knowledge system (DTO) and public mobilisation and engagement**
- ✓ **Indicative budget 2023:** EUR 87,7 million
- ✓ **Call closing date:** 20 September 2023

European Commission

EN

Horizon Europe

Work Programme 2023-2024

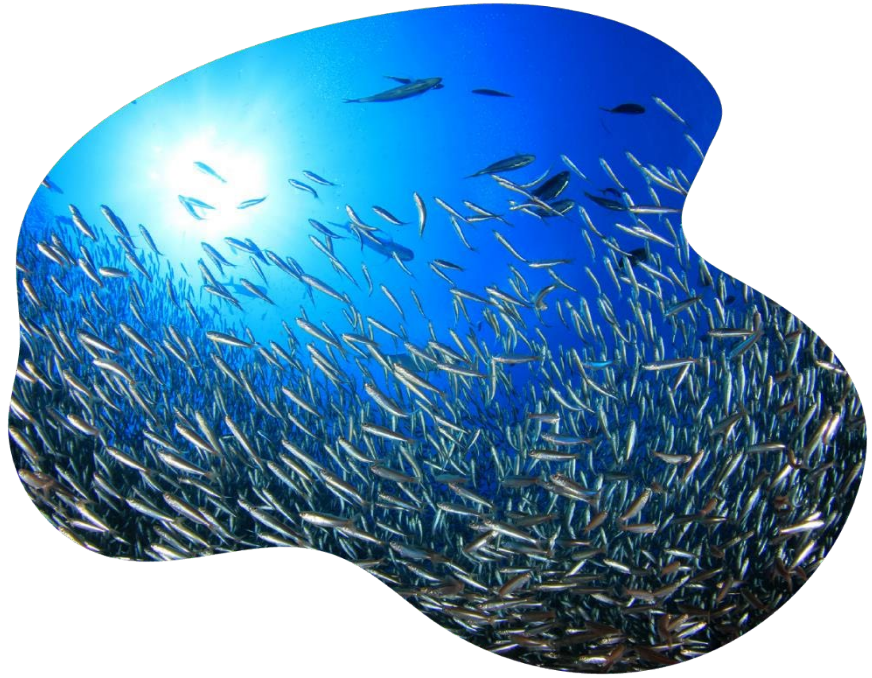
12. Missions

(European Commission Decision C(2022)7550 of 6 December 2022)

Call	Budgets (EUR million)	Deadline(s)
	2023	
HORIZON-MISS-2023-OCEAN-01	87.70	20 Sep 2023
Overall indicative budget	87.70	

Topics	Type of Action	Budgets (EUR million) 2023	Expected EU contribution per project (EUR million)[1]	Indicative number of projects expected to be funded
Opening: 17 Jan 2023 Deadline(s): 20 Sep 2023				
HORIZON-MISS-2023-OCEAN-01-01	IA	8.80 [2]	Around 8.80	1
HORIZON-MISS-2023-OCEAN-01-02	IA	17.00 [3]	Around 8.50	2
HORIZON-MISS-2023-OCEAN-01-03	IA	16.00 [4]	Around 8.00	2
HORIZON-MISS-2023-OCEAN-01-04	IA	12.00 [5]	Around 4.00	3
HORIZON-MISS-2023-OCEAN-01-05	IA	12.00 [6]	Around 4.00	3
HORIZON-MISS-2023-OCEAN-01-06	RIA	4.50 [7]	Around 2.25	2
HORIZON-MISS-2023-OCEAN-01-07	RIA	1.40 [8]	Around 1.40	1
HORIZON-MISS-2023-OCEAN-01-08	RIA	10.00 [9]	Around 3.30	3
HORIZON-MISS-2023-OCEAN-01-09	CSA	2.00 [10]	Around 2.00	1
HORIZON-MISS-2023-OCEAN-01-10	CSA	2.00 [11]	Around 2.00	1
HORIZON-MISS-2023-OCEAN-01-11	CSA	2.00 [12]	Around 2.00	1
Overall indicative budget		87.70		

Mission objective 1 – protect and restore marine and freshwater ecosystems and biodiversity

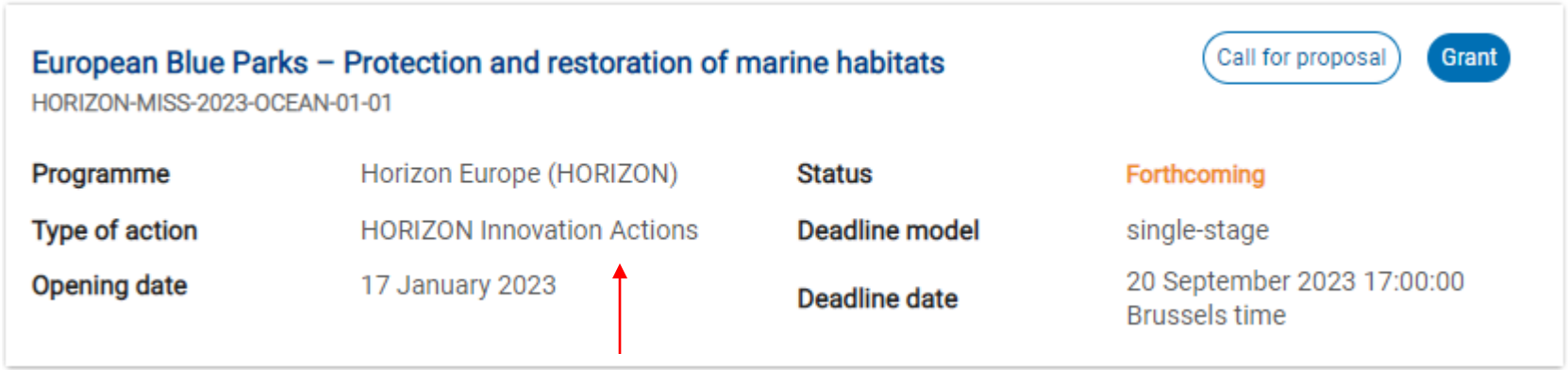


EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-01

European Blue Parks – Protection and restoration solutions for degraded coastal and marine habitats



European Blue Parks – Protection and restoration of marine habitats
HORIZON-MISS-2023-OCEAN-01-01

Call for proposal | Grant

Programme	Horizon Europe (HORIZON)	**Status**	Forthcoming
Type of action	HORIZON Innovation Actions	**Deadline model**	single-stage
Opening date	17 January 2023	**Deadline date**	20 September 2023 17:00:00 Brussels time

INDICATIVE BUDGET

Total contribution: EUR 8,8 million

Per project : EUR 8.8 million

Expected TRL 5-7 (IA)

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-01

European Blue Parks – Protection and restoration solutions for degraded coastal and marine habitats

SCOPE AND EXPECTED OUTPUTS

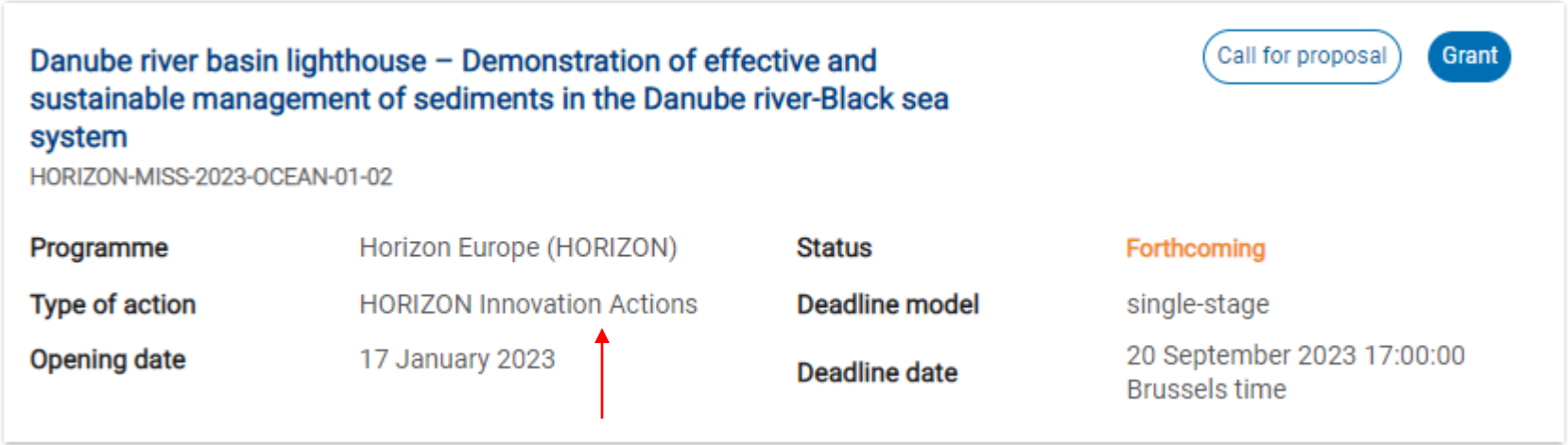
- **Develop protection and restoration solutions** to address the degradation of coastal and marine ecosystems.
- **Improve the management of marine protected areas**
- **Clear science-based conservation objectives** and **conservation measures** to achieve those objectives.
- **Address the whole marine ecosystem functioning** in the designated area, **including the seabed** and **its role in carbon storage** and as **fish spawning and nursery area**.
- **Site-specific**, **but** with **a significant replication potential**.
- **Ecosystem services** should be **resilient to climate change** and that the areas are adequately protected to **prevent new degradation**.
- Proposals are expected to contribute to the **implementation of the existing legislation** related to MPAs, and to **reach the targets of protecting 30%** of EU marine area by 2030
- National and local authorities and **coastal communities should be involved** to ensure that these **solutions** are **successfully implemented in the long-term**.

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-02

Danube river basin lighthouse – Demonstration of effective and sustainable management of sediments in the Danube river-Black sea system



INDICATIVE BUDGET

Total: EUR 17 million

Per project : EUR 8.5 million

Expected TRL 5-7 (IA)

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-02

Danube river basin lighthouse – Demonstration of effective and sustainable management of sediments in the Danube river-Black sea system

SCOPE AND EXPECTED OUTPUTS

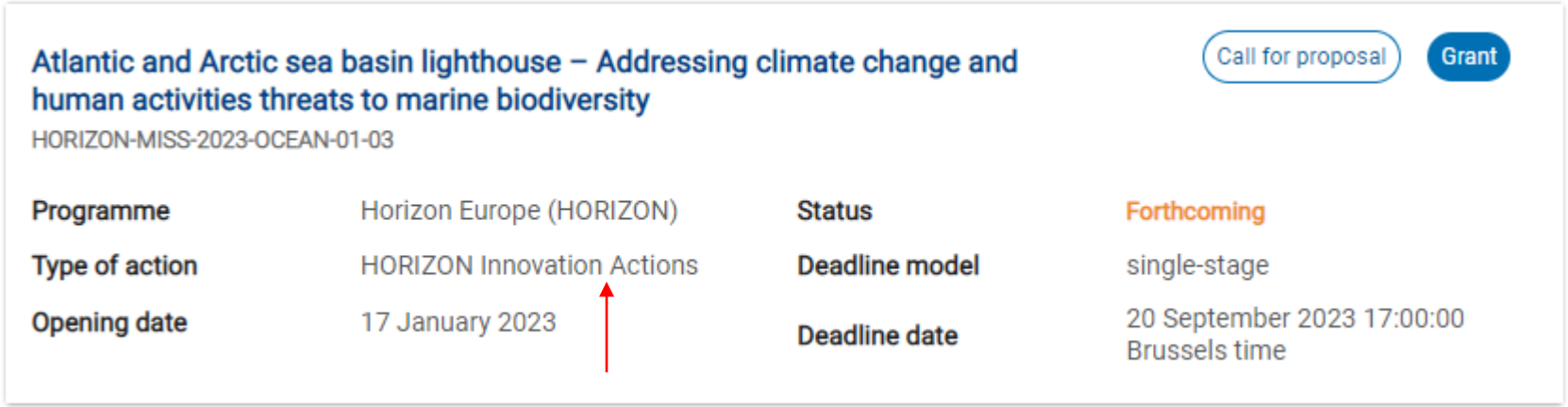
- **Sustainable and effective approaches** for **sediment management** at a **river basin scale**
- **Solutions for the restoration of sediment balance** and **flow** in the Danube river-Black sea system and **measures** to **improve sediment quality**
- **Holistic approach** to sediment management, involving **all relevant actors at a transnational/national** scale, **training and communication** activities
- Integrate actions to **support the social and economic transitions** towards **sustainable, inclusive and long term management** of the **restored and protected ecosystems**
- Contribution to the **implementation of the European Green Deal,** the **Water Framework Directive** and the **Updated River Basin Management Plan for Danube** (2021)
- Active **support** to the **Mission's Digital Ocean** and **Water Knowledge System**

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-03

Atlantic and Arctic sea basin lighthouse – Addressing climate change and human activities threats to marine biodiversity



INDICATIVE BUDGET

Total: EUR 16 million

Per project : EUR 8.0 million

Expected TRL 5-7 (IA)

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-03

Atlantic and Arctic sea basin lighthouse – Addressing climate change and human activities threats to marine biodiversity

SCOPE AND EXPECTED OUTPUTS

- Developing and demonstrating **ecosystem-based conservation measures** for **reducing cumulative pressure** of human activities on marine biodiversity
- **Technological, logistical, social** and **economic innovations** on **sustainable fishery** and **shipping, pollution reduction,** prevention and control of **invasive species, marine and nursery habitat preservation,** establishment of **marine reserves, impacts of climate change**, application of **genomics methods** for **biodiversity status, long-term biomonitoring** of restorative interventions and ecosystem evolution
- **Citizen engagement** is a pillar concept for the Mission and activities will also support **evidence-based data** and **awareness raising on biodiversity** conservation
- **Implementation of the Biodiversity Strategy 2030 and the EU Arctic policy** in connection with **other relevant EU policies** enhancing **collaborative efforts** to address the challenges and benefit of all **communities of stakeholders** around the Atlantic and the Arctic Action Plan
- Active **support** to the **Mission's Digital Ocean** and **Water Knowledge System**

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-04

European natural lakes: demonstration of integrated approaches for protection and restoration of natural lake ecosystems and their biodiversity

European natural lakes: demonstration of integrated approaches for protection and restoration of natural lake ecosystems and their biodiversity

HORIZON-MISS-2023-OCEAN-01-04

Call for proposal | Grant

Programme	Horizon Europe (HORIZON)	**Status**	Forthcoming
Type of action	HORIZON Innovation Actions	**Deadline model**	single-stage
Opening date	17 January 2023	**Deadline date**	20 September 2023 17:00:00 Brussels time

INDICATIVE BUDGET

Total: EUR 12 million

Per project : EUR 4.0 million

Expected TRL 5-7 (IA)

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

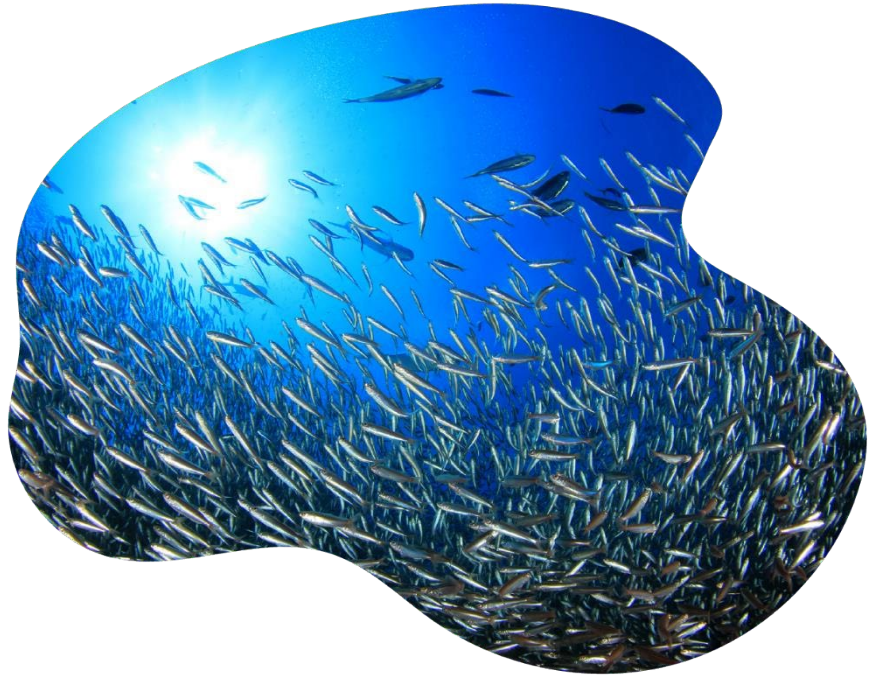
HORIZON-MISS-2023-OCEAN-01-04

European natural lakes: demonstration of integrated approaches for protection and restoration of natural lake ecosystems and their biodiversity

SCOPE AND EXPECTED OUTPUTS

- **Demonstrate** integrated and replicable approaches **to protect and restore natural lake ecosystems** and their **biodiversity**
- **Improve ecological and chemical status of European natural lakes** and maintain it in **the long-term**
- Actions to **support social and economic transitions** towards sustainable management, **involve local business communities,** in particular SMEs, **investors and other business stakeholders**
- **Citizen engagement**, **training**, **upskilling and communication activities**
- **Nature based solutions** for restoration and protection of European Lakes, **opportunities** for **scaling up of solutions**
- Implementation of the **European Green Deal,** the EU **Biodiversity Strategy,** the EU **Zero Pollution Action Plan,** the EU **Bioeconomy Strategy** and the **Water Framework Directive** as well as **other** EU instruments and policies that **concern freshwater ecosystems**
- Active **support** to the **Mission's Digital Ocean** and **Water Knowledge System**

Mission objective 3 –Sustainable, carbon-neutral and circular Blue Economy



EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-05

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

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

Call for proposal | Grant

Programme	Horizon Europe (HORIZON)	**Status**	Forthcoming
Type of action	HORIZON Innovation Actions	**Deadline model**	single-stage
Opening date	17 January 2023	**Deadline date**	20 September 2023 17:00:00 Brussels time

INDICATIVE BUDGET

Total: EUR 12 million

Per project : EUR 4.0 million

Expected TRL 4-6 (IA)

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-05

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

SCOPE AND EXPECTED OUTPUTS

- **Innovative and sustainable solutions**, **technologies**, practices and processes **demonstrated** in real conditions to **reduce emissions and fuel consumption of small-scale fishing vessels**
- **Impact assessment** on the **marine environment** and its **biodiversity** should also be carried out as well as an analysis of the **obstacles, opportunities and recommendations** about good practices for reducing fuel consumption and emissions
- **Close cooperation** between the **fishing community**, **researchers** and **other stakeholders** is crucial to ensure that solutions and technologies are suitable for and acceptable by the end-users, economically viable
- **Accelerated transition** to greener fleets of small-scale fisheries thanks to **increased users' choices** and **better understanding of the problem and solution**
- Enhanced implementation of the **European Green deal objectives** and the **EU Biodiversity Strategy** for 2030;

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-06

Cross-basin topic - Innovative nature-inclusive concepts to reconcile offshore renewables with ocean protection

Cross-basin topic - Innovative nature-inclusive concepts to reconcile offshore renewables with ocean protection

Call for proposal | Grant

HORIZON-MISS-2023-OCEAN-01-06

Programme	Horizon Europe (HORIZON)	**Status**	Forthcoming
Type of action	HORIZON Research and Innovation Actions	**Deadline model**	single-stage
Opening date	17 January 2023	**Deadline date**	20 September 2023 17:00:00 Brussels time

INDICATIVE BUDGET

Total: EUR 4.5 million

Per project : EUR 2.25 million

Expected TRL 3-4 (RIA)

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-06

Cross-basin topic - Innovative nature-inclusive concepts to reconcile offshore renewables with ocean protection

SCOPE AND EXPECTED OUTPUTS

- **Multidisciplinary approaches** for the development of **offshore renewable energy infrastructures** that meet **renewable energy targets, do not significantly harm** or even **contribute to restoration of the marine environment**
- Nature-inclusive concepts will address the **design and choice of materials**
- **Multiple-use concepts** should also be considered
- Enhanced implementation of the EU **Sustainable Blue Economy Strategy** and the achievement of **EU Green Deal** objectives and the **Paris Agreement** targets

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-07

Cross-basin topic - Analysis of the obstacles and opportunities for repurposing aged/unused offshore infrastructures

Cross-basin topic - Analysis of the obstacles and opportunities for repurposing aged/unused offshore infrastructures

Call for proposal | Grant

HORIZON-MISS-2023-OCEAN-01-07

Programme	Horizon Europe (HORIZON)	**Status**	Forthcoming
Type of action	HORIZON Research and Innovation Actions	**Deadline model**	single-stage
Opening date	17 January 2023	**Deadline date**	20 September 2023 17:00:00 Brussels time

INDICATIVE BUDGET

Total: EUR 1.4 million

Per project : EUR 1.4 million

Expected TRL 4-5 (RIA)

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-07

Cross-basin topic - Analysis of the obstacles and opportunities for repurposing aged/unused offshore infrastructures

SCOPE AND EXPECTED OUTPUTS

- Proposals will analyze **options to decommissioning offshore platforms**, in light of **marine conservation** and **ecosystem protection**, identifying possible **business models** and assessing related **implications for policy/decision** making and for **public acceptance**.
- **Review of existing experiences**, strategies and programmes **for alternatives to** offshore platforms **decommissioning**;
- Design a **framework for cost-benefit analysis**, **including risk/benefit analysis** on **marine ecosystems and biodiversity**;
- Assess the **socio-economic benefits including job creation** of decommissioning versus repurposing;
- **Examine** related **legal, regulatory and policy issues** and carry out **informed discussions** among major **stakeholders, environmental organisations and NGOs**
- **Solutions for repurposing** aged/unused offshore platforms which **support marine restoration** in view of **sustainable business models** and enhance the **circular economy transition**

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

WORK PROGRAMME 2023
~
MISSION ENABLING ACTIVITIES:

Digital Ocean and Water Knowledge System
Public mobilisation and engagement
Dynamic investment ecosystem

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-08:

Integration of socio-ecological models into the Digital Twin Ocean

Integration of socio-ecological models into the Digital Twin Ocean
HORIZON-MISS-2023-OCEAN-01-08

Call for proposal | Grant

Programme	Horizon Europe (HORIZON)	**Status**	Forthcoming
Type of action	HORIZON Research and Innovation Actions	**Deadline model**	single-stage
Opening date	17 January 2023	**Deadline date**	20 September 2023 17:00:00 Brussels time

INDICATIVE BUDGET

Total: EUR 10 million

Per project : EUR 3.3 million

Expected TRL 3-5 (RIA)

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-08:

Integration of socio-ecological models into the Digital Twin Ocean

SCOPE AND EXPECTED OUTPUTS

- Development of a **wide range** of **social-ecological models**, to **assess** the **impact and long-term effect** of **normative (what-if) scenarios**, evaluating environmental change, policy alternatives and management decisions to coastal and marine systems, **both environmentally and societally**

- Development of **new processes and tools** for **decision-support**, **participatory management** and **policy scenarios assessment**, including the methodological approaches to effective stakeholders' engagement

- Incorporation of **marine social-ecological modelling** in the framework of the **Digital Twin Ocean**, taking into consideration their complex nature, including **interoperability of transdisciplinary data** and integration of models with **different spatial and temporal resolutions** uncertainties and more

- **Better management of human activities**, responding to societal/ecological needs, **avoiding negative outcomes of policies**

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-09:

Roadmap towards the integration of inland waters into the Digital Twin Ocean

Roadmap towards the integration of inland waters into the Digital Twin Ocean

HORIZON-MISS-2023-OCEAN-01-09

Call for proposal | Grant

Programme	Horizon Europe (HORIZON)	**Status**	Forthcoming
Type of action	HORIZON Coordination and Support Actions	**Deadline model**	single-stage
Opening date	17 January 2023	**Deadline date**	20 September 2023 17:00:00 Brussels time

INDICATIVE BUDGET

Total: EUR 2 million

Per project : EUR 2 million

CSA

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-09:

Roadmap towards the integration of inland waters into the Digital Twin Ocean

SCOPE AND OUTCOMES

- **Prepare the development of the inland waters part** (rivers, lakes, reservoirs, wetlands, snow and ice etc.) **into the Digital Twin Ocean**

- **Inventory** of **EU** and **international policies** relevant to inland waters; **requirements and links of relevant stakeholders** (researchers, users, industry); **data sources and sensing capacities** (environmental but as well socio-economic or citizen); **past or ongoing research projects**, information systems and **technical or operational programs**; **liaise with the national meteorological services**

- Critical analysis and preliminary design of **current technical achievements, functional and system digital architecture**, mature, high-quality, scientifically state-of-art and pre-operation digital twin component for inland waters

- **Roadmap** for the implementation of the Digital Twin for Inland waters including a preliminary work **breakdown with priorities**, **technical developments**, tentative **schedule**, **cost estimate** and **risk analysis**, **interfaces** to be considered, technical **governance**

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-10:

Choose your fish: a campaign for responsible consumption of products from the sea

Choose your fish: a campaign for responsible consumption of products from the sea

HORIZON-MISS-2023-OCEAN-01-10

Call for proposal | Grant

Programme	Horizon Europe (HORIZON)	**Status**	Forthcoming
Type of action	HORIZON Coordination and Support Actions	**Deadline model**	single-stage
Opening date	17 January 2023	**Deadline date**	20 September 2023 17:00:00 Brussels time

INDICATIVE BUDGET

Total: EUR 2 million

Per project : EUR 2 million

CSA

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-10:

Choose your fish: a campaign for responsible consumption of products from the sea

SCOPE AND OUTCOMES

- **Help citizens** to make **responsible** and more **informed seafood and aquaculture products**, encourage **sustainability in consumption** patterns like reducing food waste and carbon footprint, considering **future viability of stocks,** support knowledge and consumption of **local and seasonal seafood and aquaculture products**

- **Awareness campaign** by using the most effective and creative media, tools and types of initiatives to ensure a broad outreach targeting different segments of consumers, including children

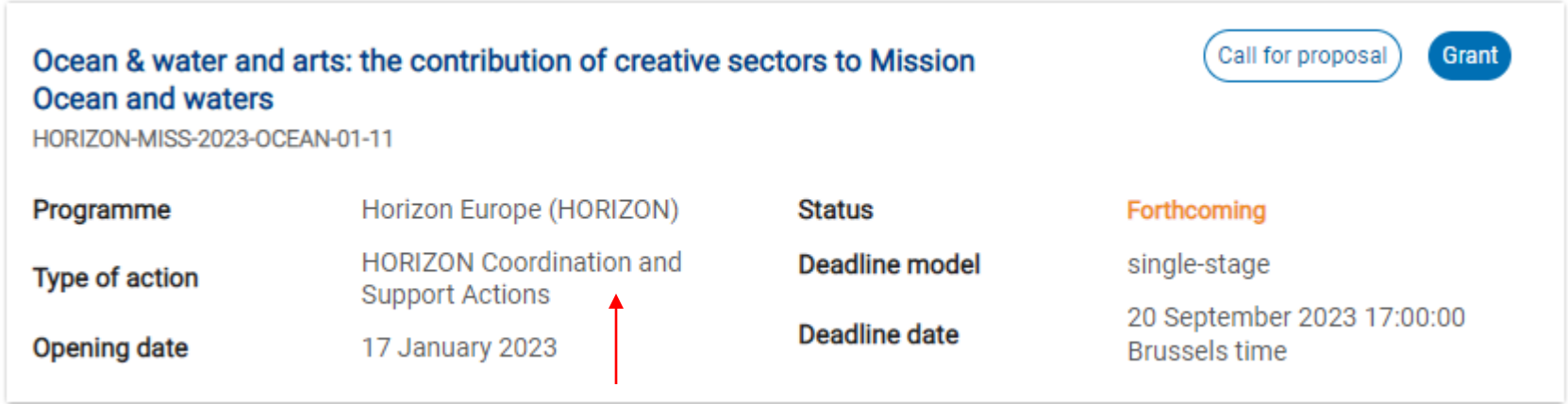
- **Broad geographical coverage** in all Member States and Associated Countries and **links with the "Taste the Ocean"** initiative as well as with **other** international, national or local **initiatives**

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-11:

Ocean & water and arts: the contribution of creative sectors to Mission Ocean and waters



Ocean & water and arts: the contribution of creative sectors to Mission Ocean and waters

HORIZON-MISS-2023-OCEAN-01-11

Call for proposal | Grant

Programme	Horizon Europe (HORIZON)	**Status**	Forthcoming
Type of action	HORIZON Coordination and Support Actions	**Deadline model**	single-stage
Opening date	17 January 2023	**Deadline date**	20 September 2023 17:00:00 Brussels time

INDICATIVE BUDGET

Total: EUR 2 million

Per project : EUR 2 million

CSA

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-01-10:

Choose your fish: a campaign for responsible consumption of products from the sea

SCOPE AND OUTCOMES

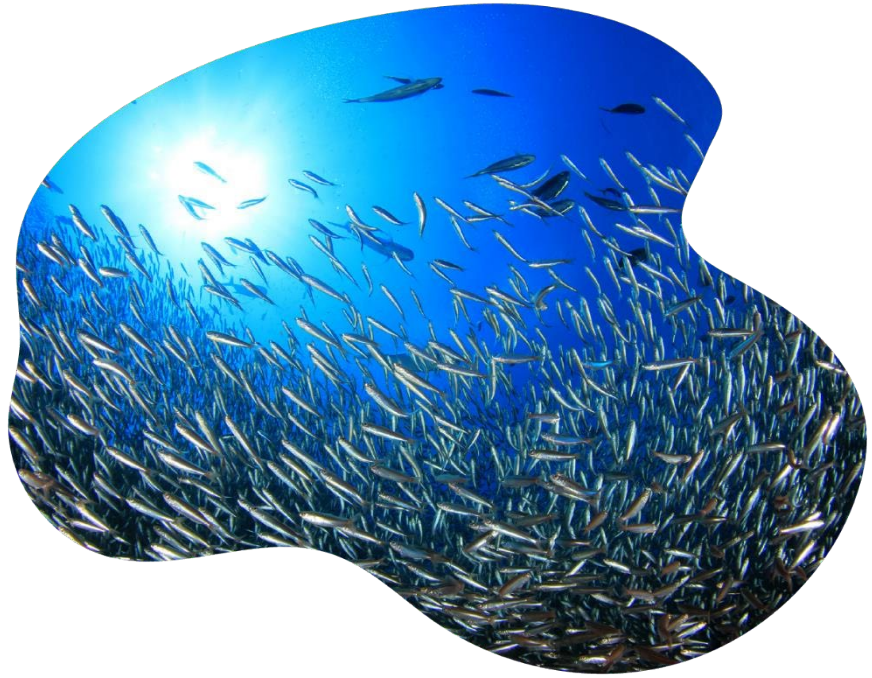
- Bring together **citizens**, **museums**, **aquaria**, **research institutions**, **engineers**, **architects**, the **civil society with artists and other creative sectors**

- **enhance mobilization** for the protection and restoration of the ocean and inland waters
  stimulate the citizens' interest in and fascination by ocean and waters
  boost **interest in working in the blue economies**
  increase **awareness** about the **challenges and pressures** faced by the ocean and inland waters
  mobilize **artistic communities and creative sectors** for the protection and restoration of waters

- Mobilization, cooperation and coordination should be envisaged at **interregional/transnational level**

- Proposals should include **at least three calls for the selection of art and creative sectors projects**, which will be supported through Financial Support to Third Parties under this topic

Missions Joint Calls



EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-CLIMA-OCEAN-SOIL-01:

Mission Climate adaptation, Mission Ocean & waters and Mission Soil Deal for Europe – Joint demonstration of an integrated approach to increasing landscape water retention capacity at regional scale

Mission Climate adaptation, Mission Ocean & waters and Mission Soil Deal for Europe – Joint demonstration of an integrated approach to increasing landscape water retention capacity at regional scale

Call for proposal | Grant

HORIZON-MISS-2023-CLIMA-OCEAN-SOIL-01-01

Programme	Horizon Europe (HORIZON)	**Status**	Forthcoming
Type of action	HORIZON Innovation Actions	**Deadline model**	single-stage
Opening date	17 January 2023	**Deadline date**	20 September 2023 17:00:00 Brussels time

INDICATIVE BUDGET

Total: EUR 15 million

Per project : EUR 15 million

Expected TRL 6-7 (IA)

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-CLIMA-OCEAN-SOIL-01:

Mission Climate adaptation, Mission Ocean & waters and Mission Soil Deal for Europe – Joint demonstration of an integrated approach to increasing landscape water retention capacity at regional scale

SCOPE AND KEY EXPECTED OUTPUTS

- Development of **socio-ecological approaches** and **nature-based solutions** to **increase landscape** and **soil water retention capacity**, leading to **improvement of quality and quantity of ground and surface waters** in the area where they are deployed, and **ensuring their long term sustainability**.

- Better **information** and **mobilization** of **all relevant actors**, including citizens, local and regional authorities, farmers, land owners, economic operators, etc

- Enhanced **implementation** of the **European Green Deal**, the EU **Adaptation Strategy**, the EU **Biodiversity Strategy**, EU legislation for the protection of freshwaters (such as the EU Water Framework Directive and EU Groundwater Directive) and the EU Soil Strategy for 2030;

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-SOIL-01:

Mission Ocean & waters and Mission Soil Deal for Europe Joint demonstration of approaches and solutions to address nutrient pollution in the landscape-river-sea system in the Mediterranean sea basin

Mission Ocean and Waters and Mission A Soil Deal for Europe – Joint demonstration of approaches and solutions to address nutrient pollution in the landscape-river-sea system in the Mediterranean sea basin

Call for proposal | Grant

HORIZON-MISS-2023-OCEAN-SOIL-01-01

Programme	Horizon Europe (HORIZON)	**Status**	Open for submission
Type of action	HORIZON Innovation Actions	**Deadline model**	single-stage
Opening date	17 January 2023	**Deadline date**	20 September 2023 17:00:00 Brussels time

INDICATIVE BUDGET

Total: EUR 16 million

Per project : EUR 8 million

Expected TRL 6-7 (IA)

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

HORIZON-MISS-2023-OCEAN-SOIL-01:

Mission Ocean & waters and Mission Soil Deal for Europe Joint demonstration of approaches and solutions to address nutrient pollution in the landscape-river-sea system in the Mediterranean sea basin

SCOPE AND KEY EXPECTED OUTPUTS

- Development of **innovative,** reproducible solutions to **prevent, minimize** and **remediate soil and water pollution from excess nutrients** (especially nitrogen and phosphorus) in the **landscape-river catchment-sea system** and **transition waters in the Mediterranean Sea basin**
- **Innovative solutions to reduce the use of fertilisers**
- Empowerment of **citizens to take action against pollution of soils, waters and the ocean**
- Active support to the Ocean and Water Knowledge System by contributing to new data collection

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

Conditions common to Innovation Actions for Mission lighthouses

- Consortium must involve and include partners from at least **three countries of the given basin**, **in which demonstration activities** will be taking place

- Identify **areas** where the **proposed solutions are replicable** and draw up an **action plan and roadmap** needed for the **scale up of the solutions**

- Engage at least **5 'associated regions'** to **showcase** the **feasibility**, **replicability** and **scalability** of the solutions developed

EUROPEAN UNION

EU MISSIONS

Synergies with other EU programmes

Common to all 5 missions

European Institute of Innovation and Technology (EIT)

Cohesion Policy Funds

Recovery and Resilence Facility (RRF)

European Investment Bank (EIB)

Just Transition Fund

Interreg

Erasmus +

European Structual and Investment Funds

Digital Europe Programme

European Social Fund (ESF)

European Regional Development Fund (ERDF)

JRC Competence Centre on Participatory and Deliberative Democracy

Invest EU

EU funds & Instruments

•Horizon Europe;
EMFAF, LIFE, ESIFs, CEF, (+ INTERREG), COPERNICUS, Digital Europe Financial Facility, EFSI, INTPA NDICI, Innovation Fund, Erasmus, InvestEU, Innovation Fund, BlueInvest, etc.

National/regional funds

•**National Recovery and Resilience Plans, National and Regional Public Funds, Other national and regional funds, programmes, and initiatives**

Private funds

•**Impact funding** (Credit Suisse, AXA Impact Fund..)
•**European Investment Bank Group**
VENTURES EUROPE FUND,
•**Venture Capital funds**

Philanthropy

•**Foundations**: Oceano Azul, Ellen McArthur Foundation, The Prince Albert II of Monaco Foundation,, Ocean Cleanup…
•**Private funds** (Ocean Conservation Fund)
•**Multidonor trust funds** (World Bank PROBLUE)
•**Crowdfunding**

EUROPEAN UNION

EU MISSIONS
RESTORE OUR OCEAN & WATERS

Thank you!

© European Union, 2021

Reuse is authorised provided the source is acknowledged and the original meaning or message of the document are not distorted. The European Commission shall not be liable for any consequence stemming from the reuse. The reuse policy of the European Commission documents is implemented by Commission Decision 2011/833/EU of 12 December 2011 on the reuse of Commission documents (OJ L 330, 14.12.2011, p. 39).

All images © European Union, unless otherwise stated. Icons © Flaticon – all rights reserved.