

Verim pact



Institute for
Sustainable
Development

The Intelligence behind each of the current calls of
Mission “Restore our Ocean and Waters”

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EUROPEAN UNION



EU MISSIONS

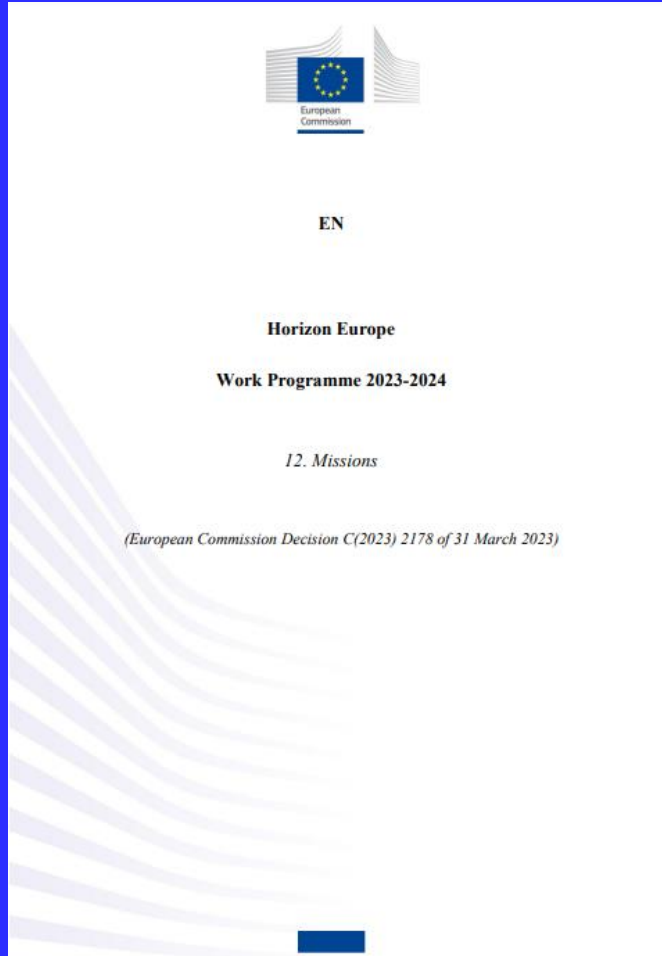
RESTORE OUR OCEAN & WATERS

Concrete solutions for our greatest challenges



#EUmissions #HorizonEU #MissionOcean

Where to start



[EU Funding & Tender Portal:](#)
[Mission Ocean and Waters](#)



What to Note

- Deadline: September 20th, 2023
- Interdisciplinarity of themes and of teams
- Scalability and replication of projects
- Engaging stakeholders and youth
- Big ambitions, realistic budget
- Great narrative around the proposal
- Gender considerations (e.g. Gender Policy, number of female researchers, etc.)

Types of HORIZON Calls.



HORIZON-CSA

Coordination and Support Actions: Actions consisting primarily of accompanying measures such as standardisation, dissemination, awareness-raising and communication, networking, coordination or support services, policy dialogues and mutual learning exercises and studies, including design studies for new infrastructure and may also include complementary activities of strategic planning, networking and coordination between programmes in different countries.

HORIZON-RIA

Research and Innovation Actions: Actions establish new knowledge or explores a new or improved technology, product, process, service or solution. A RIA project is expected to have an outcome with TRL 2 to 6. The usually results in a functional prototype.

HORIZON-IA

Innovation Actions: Innovation projects in a more advanced stage (closer to the market, such as practical demonstrations or upscaling).

Mission Ocean 2023 Open Calls

[HORIZON-MISS-2023-OCEAN-01-01](#): European Blue Parks – Protection and restoration of marine habitats

[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

[HORIZON-MISS-2023-OCEAN-01-03](#): Atlantic and Arctic sea basin lighthouse – Addressing climate change and human activities threats to marine biodiversity

[HORIZON-MISS-2023-OCEAN-01-04](#): European natural lakes: demonstration of integrated approaches for protection and restoration of natural lake ecosystems and their biodiversity

[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

[HORIZON-MISS-2023-OCEAN-01-06](#): Cross-basin topic - Innovative nature-inclusive concepts to reconcile offshore renewables with ocean protection

[HORIZON-MISS-2023-OCEAN-01-07](#): Cross-basin topic - Analysis of the obstacles and opportunities for repurposing aged/unused offshore infrastructures

Mission Ocean 2023 Open Calls

[HORIZON-MISS-2023-OCEAN-01-08](#): Integration of socio-ecological models into the Digital Twin Ocean

[HORIZON-MISS-2023-OCEAN-01-09](#): Roadmap towards the integration of inland waters into the Digital Twin Ocean

[HORIZON-MISS-2023-OCEAN-01-10](#): Choose your fish: a campaign for responsible consumption of products from the sea

[HORIZON-MISS-2023-OCEAN-01-11](#): Ocean & water and arts: the contribution of creative sectors to Mission Ocean and waters

Mission Ocean 2023 Open JOINT Calls

[HORIZON-MISS-2023-CLIMA-OCEAN-SOIL-01-01](#): 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

[HORIZON-MISS-2023-OCEAN-SOIL-01-01](#): 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



Mission Ocean Open Calls in Detail

Mission Ocean 2023 Open Calls – Marine and Lake Habitats

[HORIZON-MISS-2023-OCEAN-01-01](#): European Blue Parks – Protection and restoration of marine habitats/
[Innovation Actions](#)

Relates to and supports: European Green Deal, the Biodiversity Strategy and the Nature Restoration Law, Mission objective 1 - Protect and restore marine and freshwater ecosystems and biodiversity

Allocate resources to engage with: other actions funded under Horizon Europe, in particular projects funded under Cluster 6 topics

Build upon existing knowledge systems, current and/or previous EU framework programmes (Horizon 2020, in particular the FutureMARES, MaCoBios and Rest-Coast projects, LIFE, EMFF/EMFAF), national and regional programmes (e.g. Interreg 2021-2027 / EU Macroregional Strategies), EU programmes (Copernicus, EMODnet) as well as on the activities of the Sustainable Blue Economy Partnership and the Biodiversa+ Partnership.

Budget: [appr. 8.8 mil euros](#) / Indicative number of grants: 1

[HORIZON-MISS-2023-OCEAN-01-04](#): European natural lakes: demonstration of integrated approaches for protection and restoration of natural lake ecosystems and their biodiversity/
[Innovation Actions](#)

Relates to and supports: 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

Aims at: demonstration activities in at least 3 different countries; engage at least 3 ‘associated regions’ to showcase the feasibility, replicability and scalability of the solutions

Budget: [12 mil euros](#) / Indicative number of grants: 3

Mission Ocean 2023 Open Calls – the Lighthouses

[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/ [Innovation Actions](#)

Relates to: European Green Deal and the Water Framework Directive and related guidance documents as well as other EU instruments and policies that concern freshwater ecosystem protection, in particular to the implementation of the Updated River Basin Management Plan for Danube

Aims at: demonstration activities in 3 different Member States and/or Associated Countries of the Danube river basin; impact monitoring of the activities affecting sediment flow within the Danube river basin and into the Black sea; work with and engage at least 5 ‘associated regions’ to showcase the feasibility, replicability and scalability of the solutions **Budget: 17 mil euros /** Indicative number of grants: 2

[HORIZON-MISS-2023-OCEAN-01-03](#): Atlantic and Arctic sea basin lighthouse – Addressing climate change and human activities threats to marine biodiversity / [Innovation Actions](#)

Supports implementation of: Biodiversity Strategy 2030 and the EU Arctic policy; European Green Deal, the EU Adaptation Strategy, Marine Strategy framework Directive, the EU Bioeconomy Strategy as well as the Galway Statement, the Belém Statement, the OSPAR Convention in connection with the implementation of EU marine environment, biodiversity and Arctic policies, the EU’s International Ocean Governance Agenda, the Atlantic Action Plan 2.0 with the aim to work for the benefit of all communities of stakeholders around the Atlantic and the Arctic Action Plan enhancing collaborative efforts to address the challenges in the Arctic;

Aims at: ecosystem-based conservation measures and approaches for reducing cumulative pressure from human activities to address marine biodiversity loss at basin/regional level; work with and engage at least 5 ‘associated regions’ **Budget: 16 mil euros /** Indicative number of grants: 2

[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 / [Innovation Actions](#)

Relates to: implementation of European Green deal objectives and the EU Biodiversity Strategy for 2030, Mission objective 3 – Sustainable, carbon-neutral and circular blue economy

Aims at: Close cooperation between the fishing community, researchers and other stakeholders as well as with environmental organisations, NGOs, national and international authorities is a crucial requirement to ensure that solutions and technologies are suitable for and acceptable by the end-users, economically viable for (often) very small fishing enterprises.

Budget: 12 mil euros / Indicative number of grants: 3

Mission Ocean 2023 Open Calls – Cross-Basin Topics

[HORIZON-MISS-2023-OCEAN-01-06](#): Cross-basin topic - Innovative nature-inclusive concepts to reconcile offshore renewables with ocean protection/ [Research and Innovation Actions](#)

Relates to: EU Sustainable Blue Economy Strategy, EU biodiversity strategy, the achievement of EU Green Deal objectives and the Paris Agreement targets, Mission lighthouses to maximize synergies, as well as with relevant EU Partnerships like Clean Energy Transition (CET), Sustainable Blue Economy Partnership (SBEP) or the European Institute of Innovation and Technology (EIT) and its Knowledge and Innovation Communities (KICs), with regard to EIT InnoEnergy activities.

Aims at: multidisciplinary approaches for the development of nature-inclusive concept design of offshore renewable energy devices

Budget: 4.5 mil euros / Indicative number of grants: 2

[HORIZON-MISS-2023-OCEAN-01-07](#): Cross-basin topic - Analysis of the obstacles and opportunities for repurposing aged/unused offshore infrastructures/ [Research and Innovation Actions](#)

Relates to: Mission objective 3 – Sustainable, carbon-neutral and circular blue economy, in line with the timeframe of the Mission phases, i.e.: by 2025 for the ‘development and piloting’ phase and 2030 for the ‘deployment and upscaling phase’.

Aims at: Activities are expected to achieve TRL 4-5 by the end of the project

Budget: 1.2 mil euros / Indicative number of grants: 1

Mission Ocean 2023 Open Calls – Digital Twin of the Ocean

[HORIZON-MISS-2023-OCEAN-01-08](#): Integration of socio-ecological models into the Digital Twin Ocean/
Research and Innovation Actions

Relates to and supports: Mission's Blue Parks and Mission lighthouses and efficient ocean stewardship. Projects should collaborate with projects funded under the topic HORIZON-INFRA-2022-EOSC-01-03 to adopt best practices regarding FAIR and open data sharing and benefit from existing EU programmes (e.g. Copernicus, EMODnet, EUROSTAT).

Aims at: making ocean knowledge readily available to citizens, entrepreneurs, scientists and policy-makers and to provide them with an innovative set of user-driven and interactive tools, fostered by digital transition

Budget: [appr. 2 mil euros](#) / Indicative number of grants: 1

[HORIZON-MISS-2023-OCEAN-01-09](#): Roadmap towards the integration of inland waters into the Digital Twin Ocean/
Coordination and Support Actions

Relates to: all objectives of the Mission and the Lighthouses

Includes: digital infrastructure with data services to facilitate data analytics, advanced modelling and high performance computing, development of what if scenarios to assess policies development in a context of resilience to climate change and sustainable development

Aims at: development of the inland waters part (rivers, lakes, reservoirs, wetlands, snow and ice etc.) of the Mission Knowledge system, and address activities to be developed to make it integrated or interoperable with the Digital Twin Ocean for a unified Digital twin of Ocean and waters (addressing the [hydrosphere](#) as a whole)

Budget: [appr. 2 mil euros](#) / Indicative number of grants: 1

Mission Ocean 2023 Open Calls

[HORIZON-MISS-2023-OCEAN-01-10](#): Choose your fish: a campaign for responsible consumption of products from the sea/ [Coordination and Support Actions](#)

Relates to: “Taste the Ocean” initiative and other initiatives at international, national, local levels to promote sustainable seafood and aquaculture products choices.

Includes: effective and creative media, tools and types of initiatives.

Aims at: citizens to make responsible choices in relation to the seasonality of fishes and to fish population decline and, when relevant, to the sustainability of fishing techniques.

Budget: [appr. 2 mil euros](#) / Indicative number of grants: 1

[HORIZON-MISS-2023-OCEAN-01-11](#): Ocean & water and arts: the contribution of creative sectors to Mission Ocean and waters/ [Coordination and Support Actions](#)

Aims at: Stimulating the citizens’ interest in and fascination by ocean and waters; Boost interest in working in the blue economies, engaging in ocean and water management and protection and blue research and innovation; An increase of citizen and stakeholder awareness about the challenges and pressures faced by the ocean and inland waters; Mobilisation of artistic communities (e.g. visual arts, literary arts, performing arts, architects) and creative sectors (e.g., entities and associations operating in cultural, artistic, educational fields); Connect coastal and maritime communities with their habitats and their ecological, aesthetic and cultural heritage

Budget: [appr. 2 mil euros](#) / Indicative number of grants: 1

Mission Ocean 2023 Open JOINT Calls in Detail I

[HORIZON-MISS-2023-CLIMA-OCEAN-SOIL-01-01](#): 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/ [Innovation Actions](#)

Relates to: Adaptation to Climate Change Mission's third objective, aiming to support at least 75 full-scale deep demonstrations of climate resilience, to the Mission Ocean & Waters' objective 1, protect and restore marine and freshwater ecosystems and biodiversity, and objective 2, prevent and eliminate pollution of marine and freshwaters; Mission "A Soil Deal for Europe, Water Framework Directive (WFD), the Groundwater Directive, Biodiversity Strategy 2030.

Includes: socio-ecological approaches and nature-based solutions to increase landscape and soil water retention capacity.

Budget: [appr. 15 mil euros](#) / Indicative number of grants: 1

Mission Ocean 2023 Open JOINT Calls in Detail II

[HORIZON-MISS-2023-OCEAN-SOIL-01-01](#): 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/ [Innovation Actions](#)

Relates to: European Green Deal, the Farm to Fork Strategy, the Biodiversity Strategy for 2030, the Soil Strategy for 2030, the Bioeconomy Strategy, the EU Action Plan: 'Towards Zero Pollution for Air, Water and Soil', the Mission 'A Soil Deal for Europe' specific objective 4 – reduce soil pollution and enhance restoration, targets T.4.2 – reducing fertiliser use by at least 20% and T.4.3 – reduce nutrient losses by at least 50%; Mission Ocean and waters' objective 2 – prevent, minimize and remediate pollution of marine and freshwater ecosystems, which has a focus on the Mediterranean Sea basin; the Marine Strategy Framework Directive (MSFD) and the Water Framework Directive (WFD) - including in terms of Good Environmental Status and restoration of aquatic ecosystems - and the Marine Spatial Planning Directive (MSPD)

Includes: demonstration activities in 3 different Member States or Associated Countries of the Mediterranean basin, carried out at the level of territorial units, such as a rural area, an urban community, a region, a river basin or an estuary, to show effectiveness of the demonstrated solutions.


Budget: [appr. 16 mil euros](#)/ Indicative number of grants: 2



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Thank you.

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