



EUROPEAN UNION



EU MISSIONS

RESTORE OUR OCEAN & WATERS

Concrete solutions for our greatest challenges

17-18 April 2023

#EUmissions #HorizonEU #MissionOcean





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

The Baltic-North Sea lighthouse

Objective: making the blue economy carbon-neutral and circular

Targets:

- Eliminate greenhouse gas emissions from maritime economic activities in the EU and sequester those emissions that cannot be avoided (i.e. net zero maritime emissions).
- Develop zero-carbon and low-impact aquaculture, and promote circular, low-carbon multi-purpose use of marine and water space





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BALTIC AND NORTH SEA LIGHTHOUSE

What has been achieved to date?

EU FUNDED PROJECTS 2021 WP (MORE IN THE PIPELINE!)

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

KICK-OFF EVENT FOR EACH LIGHTHOUSE

- **Baltic & North sea high level event: 25-26 April, Hamburg**

CHARTER

- **21 Actions pledged**

PUBLICATION

Baseline study for the Baltic & North Sea [Baseline study for the implementation of the lighthouse in the Baltic and North Sea basins for the Mission 'Restore our ocean and waters by 2030' - Publications Office of the EU \(europa.eu\)](#)

The Danube lighthouse and the Atlantic-Arctic lighthosue

Objective: protecting and restoring marine and freshwater ecosystems and biodiversity

Targets:

- Protect a minimum of 30% of the EU's sea area and integrate ecological corridors, as part of a true TransEuropean Nature Network.
- Strictly protect at least 10% of the EU's sea area.
- Restore at least 25,000 km of free-flowing rivers.
- Contribute to nature restoration targets, including degraded seabed habitats and coastal ecosystems





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DANUBE LIGHTHOUSE

What has been achieved to date?

EU FUNDED PROJECTS 2021 WP (MORE IN THE PIPELINE!)

- **CSA: EcoDALLI**
- **2 IAs: DANUBE4all and DALIA: restoration of freshwater ecosystems**

KICK-OFF EVENT FOR EACH LIGHTHOUSE

- **R&I Days workshop, Sept. 2022**
- **Danube high level event: 3-4 April, Bucharest**

CHARTER

- **26 Actions pledged**

PUBLICATION

Baseline study for Atlantic, Arctic, Danube and Mediterranean lighthouses

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ATLANTIC & ARCTIC LIGHTHOUSE

What has been achieved to date?

EU MISSIONS
RESTORE OUR OCEAN & WATERS



EU FUNDED PROJECTS 2021 WP (MORE IN THE PIPELINE!)

- **1 CSA: BLUEMISSIONAA**
- **2 IAs:** A-Agora (restoration of marine and coastal ecosystems) and CLIMAREST (Coastal Climate Resilience and Marine Restoration Tools)

KICK-OFF EVENT FOR EACH LIGHTHOUSE

- **Preparatory Workshop on Atlantic-Arctic, March 2022 & Sherpa meeting, Oct 2023**
- **Atlantic-Arctic lighthouse: 23-24 Nov.2022, Cork**

CHARTER

- **32 Actions pledged**

PUBLICATION

Baseline study for the Atlantic, Arctic, Danube and Mediterranean lighthouses

<https://www.bing.com/search?q=base+line+study+danube++europa&qs=n&form=QBRE&sp=-1&ghc=1&lq=0&pq=base+line+study+danube+europa&sc=6-29&sk=&cvid=2071C443ADBB49388781EA8FEE927F5D&ghsh=0&ghacc=0&ghpl=>

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





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MEDITERRANEAN SEA LIGHTHOUSE

What has been achieved to DATE?

EU FUNDED PROJECTS 2021 WP (MORE IN THE PIPELINE!)

- **CSA: BLUEMISSIONMED**
- **2 IAs:** SeaClear2.0 (Scalable Full-cycle Marine Litter Remediation.) AND REMEDIES (deploying plastic litter valorisation and prevention pathways)

KICK-OFF EVENT FOR EACH LIGHTHOUSE

- **Preparatory workshop, Barcelona, March 2022**
- **Marseille, 14-15 June 2022**
- **Palermo & Salina, 30-31 May & 1st June 2023**

CHARTER

- **63 Actions pledged**

PUBLICATION

1 baseline study for the Med. Lighthouse

: [Baseline study for the implementation of lighthouses of the Mission 'Restore our ocean and waters by 2030 - Publications Office of the EU \(europa.eu\)](https://publications.ec.europa.eu/publication-detail/-/publication/10636160-1042-4920-8000-000110000000)



Updates by the Mission Secretariat

Update on the Mission events and lighthouses



PORTS



CITIES



FLEETS



ISLANDS



REGIONS

Meetings with some categories of key actors:

- Meeting with ports representatives - 15 November 2022
- Meeting with islands representatives - 2 March 2023
- Meeting with shipping representatives - 21 March 2023

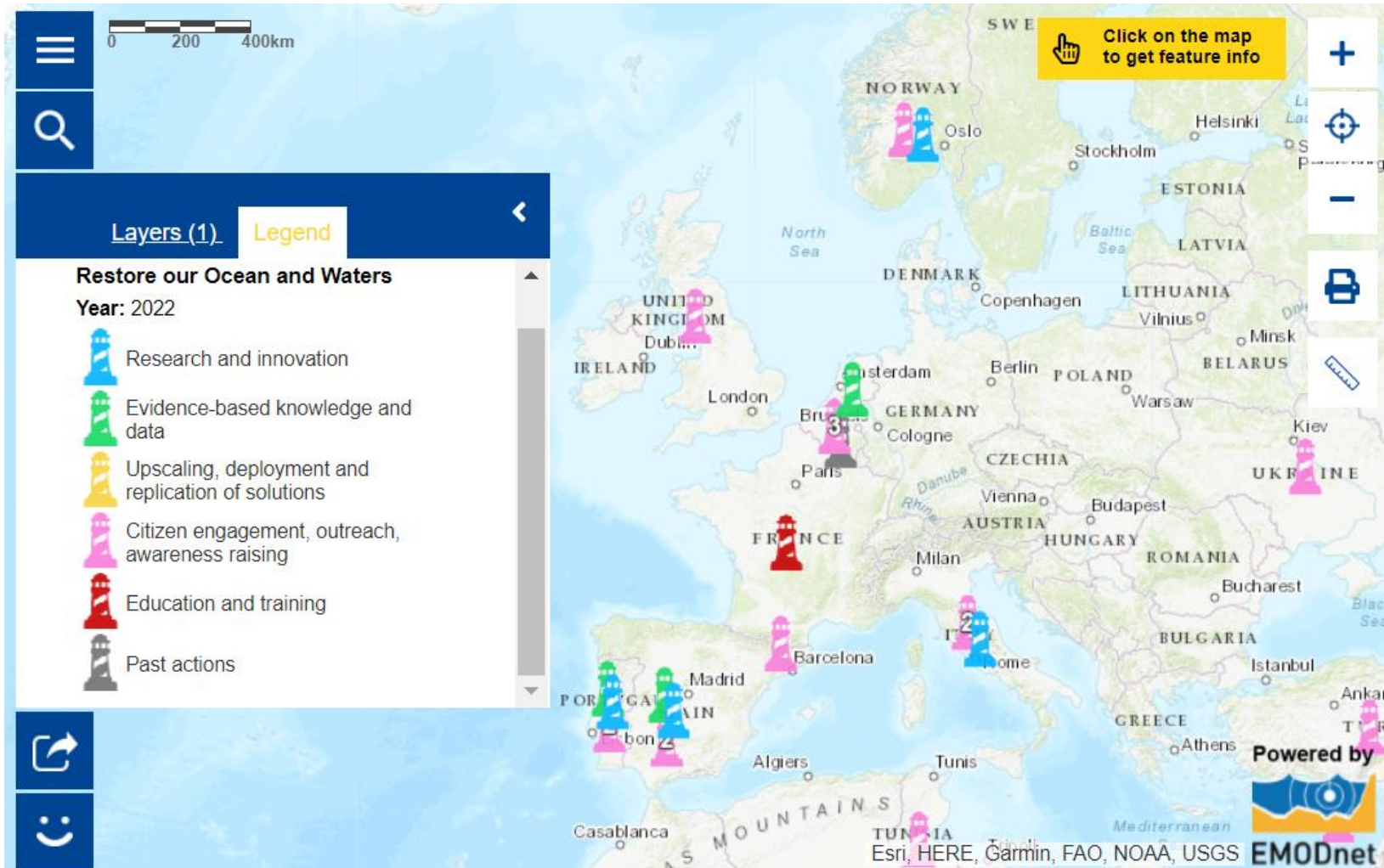


The Mission Charter is meant to **mobilise** all stakeholders to achieve the goals of the Mission, strengthening **cooperation**, aligning **efforts** and achieving **critical mass** for the transformational **change** needed to restore our oceans and waters by 2030.

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



Your action on Mission Atlas



Mission Actions - EU Mission Restore our Ocean and Waters (3 of 3)



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.**

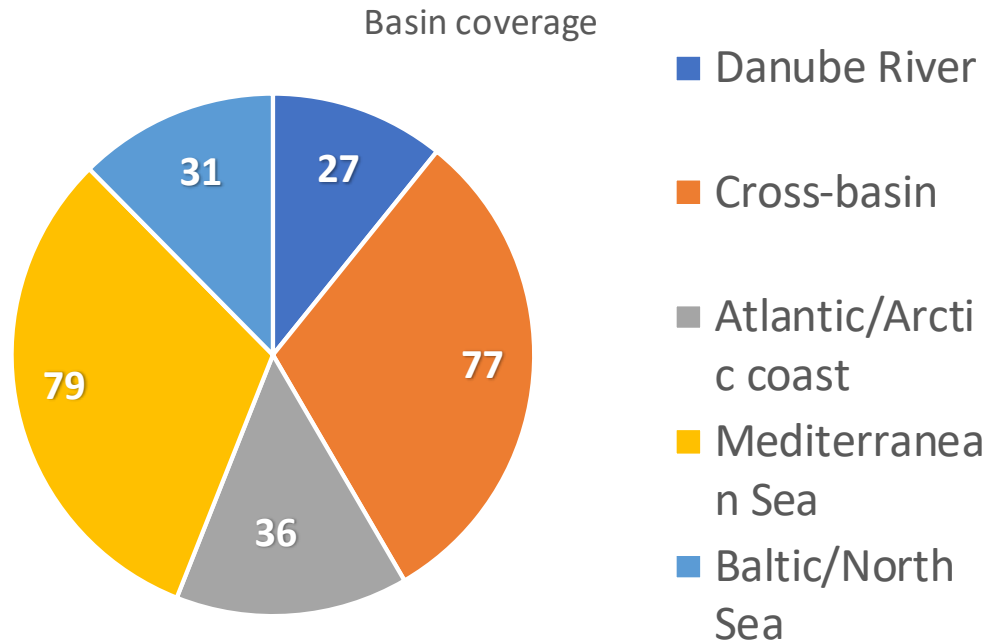
Name of organisation: **European Commission**

Budget: **114,3 Million Euro**

End date of action: **12/04/2022**



Mission Charter actions

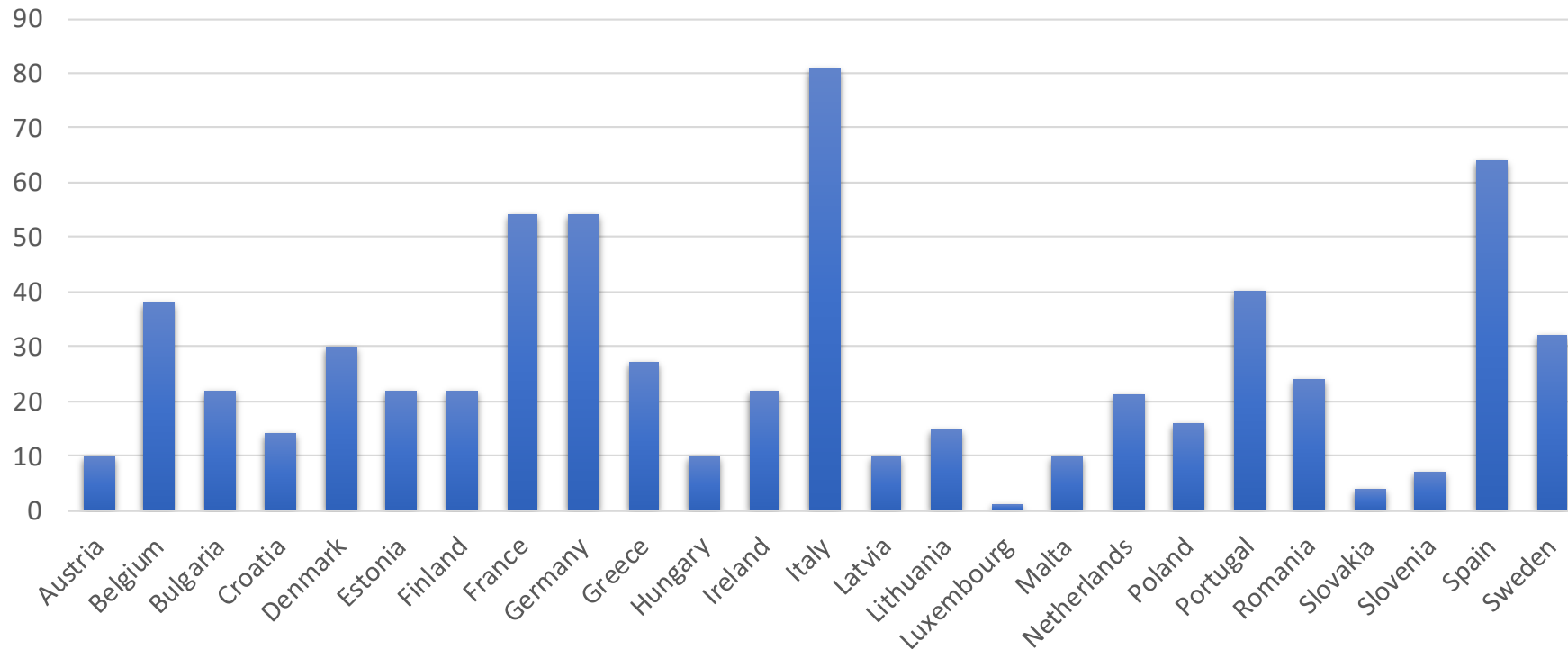


Over 300 actions submitted
200 assessed actions are now part of this Mission!
Budget: €1,86 billion



Mission Charter actions

Participations/Country



541
participations
253 are AC and
non EU
participations



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WORK PROGRAMMES



Danube lighthouse Portfolio of projects

2021

Restoration of fresh & transitional waters ecosystems
IA - 17M€

DANUBE4all - Restoration of the Danube river basin waters for ecosystems and people from mountains to coast

DALIA - Danube Region Water Lighthouse Action

Lighthouse CSA - 3M€

EcoDaLLi - ECOsystem-based governance with DANube lighthouse Living Lab for sustainable Innovation processes

2022

Protection & restoration of wetlands, flood plains, coastal wetlands & salt marshes and their biodiversity
IA - 17M€

Danube Wetlands and flood plains Restoration through systemic, community engaged and sustainable innovative actions

Restoration of wetland complexes as life supporting systems in the Danube Basin

* WP2022 projects are at the grant preparation stage

2023

Demonstration of effective and sustainable management of sediments
IA - 17M€

Call deadline for WP2023 topics: 20/09/2023



Atlantic and Arctic lighthouse

Portfolio of projects

2021
2022
2023

Restoration of marine and coastal ecosystems and increased climate resilience
IA - 17M€

CLIMAREST - Coastal Climate Resilience and Marine Restoration Tools for the Arctic Atlantic basin

A-Agora - Blueprint for Atlantic-Arctic Agora on cross-sectoral cooperation for restoration of marine and coastal ecosystems and increased climate resilience through transformative innovation

Lighthouse CSA - 3M€

BlueMissionAA - Building a coordination hub to support the mission implementation in the Atlantic and Arctic basin

(With Mission Climate): demonstration for coastal resilience, IA - 20M€

Addressing climate change and human activities threats to marine biodiversity
IA - 16M€

Call deadline for WP2023 topics: 20/09/2023

Objective 1



European Blue Parks Portfolio of projects

2021

**European Blue Parks
IA - 17M€**

CITIZENOCEAN - Marine forest coastal restoration: an underwater gardening socio-ecological plan

BLUE4ALL - Blueprint demonstration for co-created effective, efficient and resilient networks of MPAs

2022

**European blue parks:
Protection and restoration
solutions for degraded
coastal and marine habitats
IA - 17M€**

Enabling comprehensive effective and efficient protection and restoration measures for a resilient Baltic Sea ecosystem

Enhancing social well-being and economic prosperity by reinforcing the eFFECTIVENess of protection and restoration management in Mediterranean MPAs

* WP2022 projects are at the grant preparation stage

2023

**European blue parks:
Protection and restoration of
marine habitats
IA - 8.8 M€**

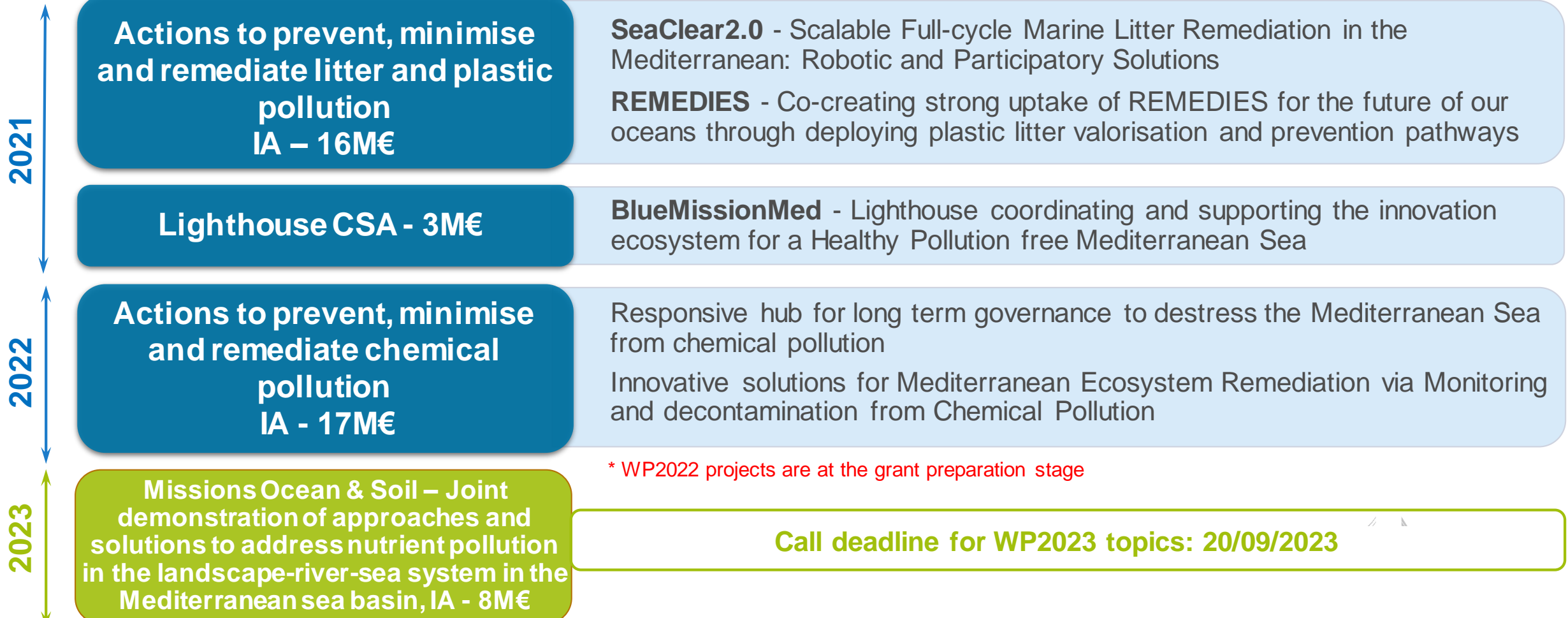
Call deadline for WP2023 topics: 20/09/2023

Objective 2



Mediterranean lighthouse

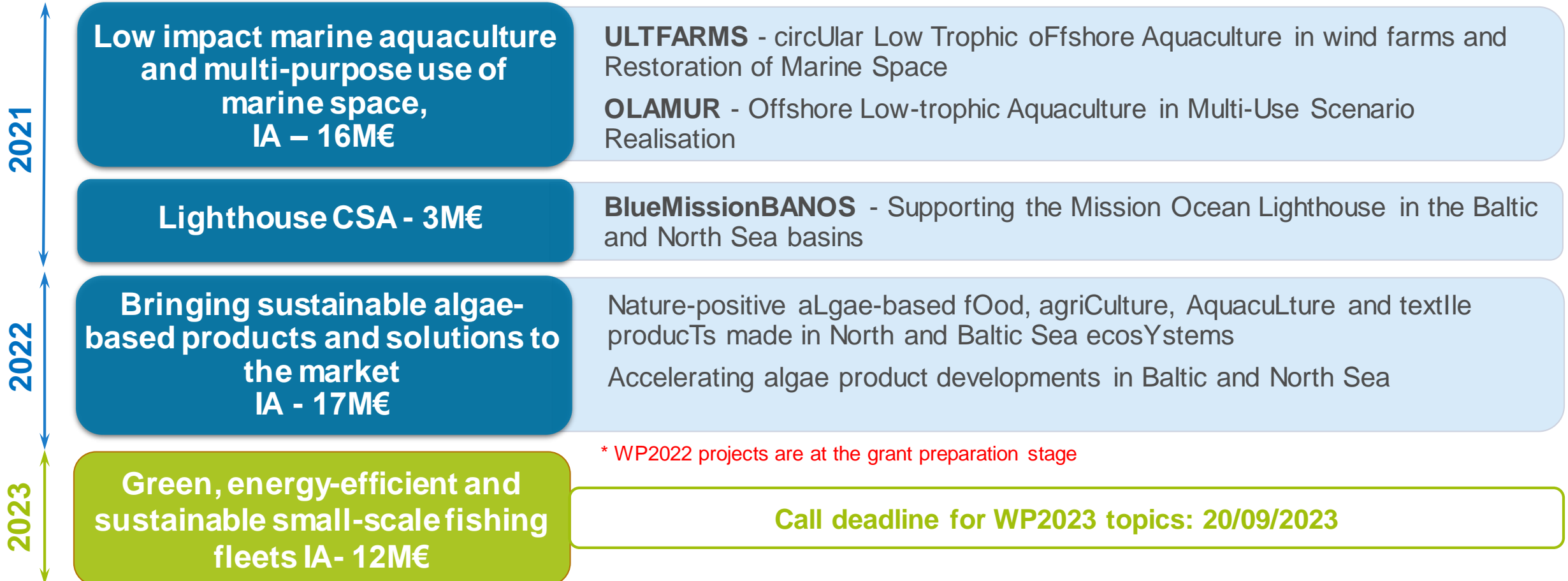
Portfolio of projects



Objective 3



Baltic and North Sea lighthouse Portfolio of projects



Cross-basin topics

Objective 1

2023 European natural lakes: demonstration of integrated approaches to protection and restoration of natural lake ecosystems and their biodiversity, IA - 12M€

Mission Climate adaptation, Mission Ocean and Mission Soil – Joint demonstration of an integrated approach to increasing landscape water retention capacity at regional scale, IA - 5M

Objective 2

2022 Prevent and eliminate litter, plastics and microplastics: Innovative solutions for waste-free European rivers, IA – 10M€

Circular and Bio-Based Solutions for the Ultimate Prevention of Plastics in Rivers Integrated with Elimination And Monitoring Technologies
Innovative Solutions for Plastic Free European Rivers

2022 Marine litter and pollution – Smart and low environmental impact fishing gears, IA - 10M€

Circular solutions for fishing gears
Preventing, avoiding and mitigating environmental impacts of fishing gears and associated marine litter

* WP2022 projects are at the grant preparation stage

Objective 3

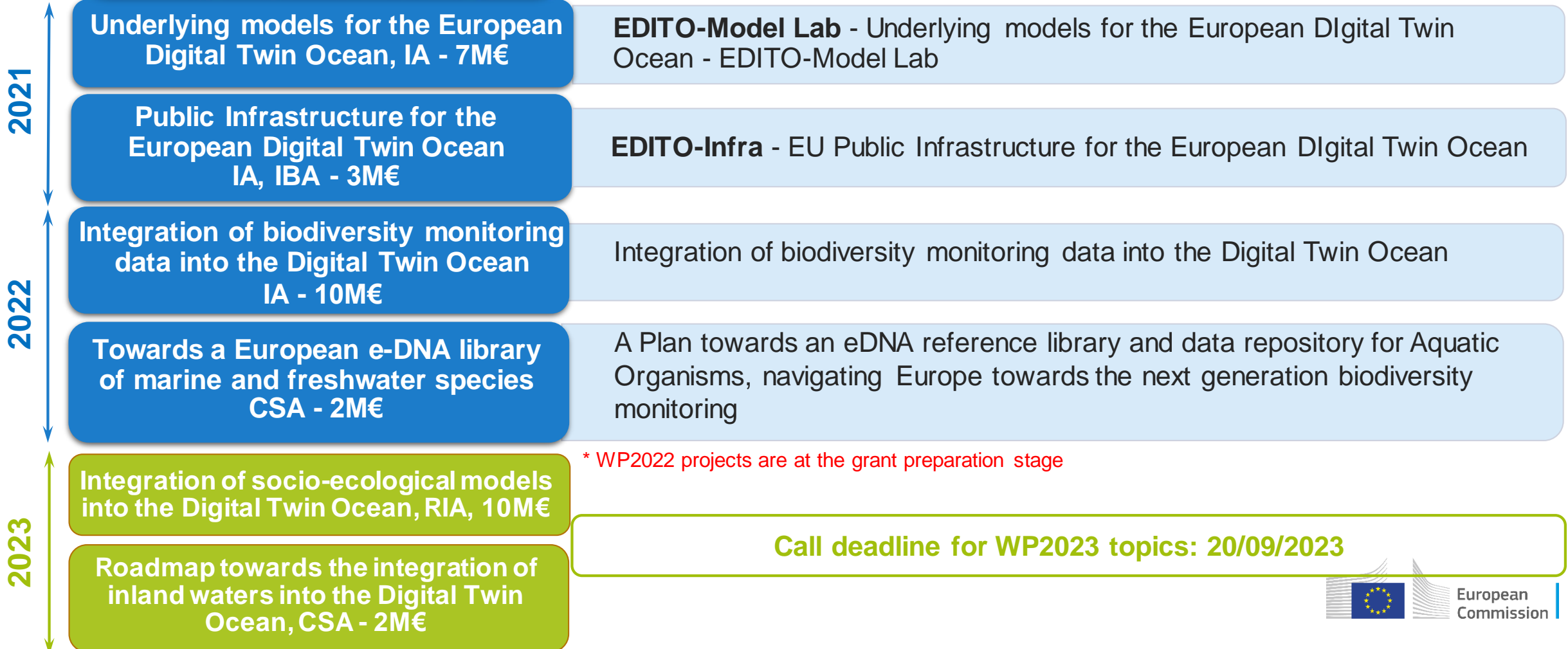
2023 Nature-inclusive concept design and practices for offshore renewables, RIA – 4.5 M€

Analysis of the obstacles and opportunities for repurposing aged/unused offshore infrastructures, RIA – 1.4 M€

Call deadline for WP2023 topics: 20/09/2023



Enabler 1 - Digital Ocean and Waters Knowledge system





Enabler 2 - Public mobilisation and engagement

2021

The relation of young generations with the sea and water: values, expectations, and engagement
RIA - 1M€

FLOW - Future Lives with Oceans and Waters

Piloting citizen science in marine and freshwater domains, CSA - 1M€

OTTERS - Social Transformation for Water Stewardship through Scaling Up Citizen Science

Europeanisation of Plastic Pirates Citizen Science Initiative, IBA - 2M€

PlasticPiratesEU

Student and school activities for the promotion of education on 'blue' sustainability and the protection of marine and freshwater ecosystems, CSA - 3M€

SHORE: EmpOweR Students as the agents of cHange
Promoting ocean and water literacy in school communities

Towards local community-driven business models: regenerative ocean farming, CSA - 3M€

Community-driven Farming for the Atlantic and Arctic sea basins through REgeneRative aquaculture
COOL BLUE*- COmmunity Ocean farms and Local Business cLUstErs

Choose your fish: a campaign for responsible consumption of products from the sea, CSA - 2M€

* WP2022 projects are at the grant preparation stage

2023

Ocean & water and arts: the contribution of creative sectors to Mission Ocean, CSA - 2M€

Call deadline for WP2023 topics: 20/09/2023