EU MISSIONS

RESTORE OUR OCEAN & WATERS

Concrete solutions for our greatest challenges

#EUmissions #HorizonEU #MissionOcean
4 initial Mission lighthouses: harness research and innovation accelerate and scale up green, blue and digital transformation to pilot, demonstrate, develop and deploy the Mission activities.
The Mediterranean lighthouse

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

**Targets by 2030:**

- 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
Horizon Europe funding for Mediterranean lighthouse Portfolio of projects

**Actions to prevent, minimise and remediate litter and plastic pollution**

SeaClear2.0 - Scalable Full-cycle Marine Litter Remediation in the Mediterranean: Robotic and Participatory Solutions

REMEDIES - Co-creating strong uptake of REMEDIES for the future of our oceans through deploying plastic litter valorisation and prevention pathways

**Actions to prevent, minimise and remediate chemical pollution**

Responsive hub for long term governance to destress the Mediterranean Sea from chemical pollution

Innovative solutions for Mediterranean Ecosystem Remediation via Monitoring and decontamination from Chemical Pollution

* WP2022 projects are at the grant preparation stage

---

**Missions Ocean & Soil – Joint demonstration of approaches and solutions to address nutrient pollution in the landscape-river-sea system in the Mediterranean sea basin, IA - 8M€**

Call deadline for WP2023 topics: 20/09/2023
examples of the 2 Horizon Europe Mission Ocean funded projects:

**REMEDIES Project**

**SeaClear2.0 Project**
**Cross-basin topics**

Work Programme 2022 projects are at the grant preparation stage

---

**Objective 2**

**2022**

<table>
<thead>
<tr>
<th>Prevent and eliminate litter, plastics and microplastics: Innovative solutions for waste-free European rivers, IA – 10M€</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circular and Bio-Based Solutions for the Ultimate Prevention of Plastics in Rivers Integrated with Elimination And Monitoring Technologies</td>
</tr>
<tr>
<td>Innovative Solutions for Plastic Free European Rivers</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Marine litter and pollution – Smart and low environmental impact fishing gears, IA - 10M€</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circular solutions for fishing gears</td>
</tr>
<tr>
<td>Preventing, avoiding and mitigating environmental impacts of fishing gears and associated marine litter</td>
</tr>
</tbody>
</table>

Mission Charter
Become part of the Mission community!
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)
EUSurvey - Survey (europa.eu)
Why adhere to the Charter

✓ **Send a clear signal** on the importance to protect our ocean and waters

✓ Be involved in major Mission events increasing the **visibility** of your actions and become a **Mission Actor**

✓ Multiply your opportunities for **networking** and exchanges of experiences to improve **knowledge** and to disseminate

✓ Be part of a **community of practice** involving entire EU sea/river basins thus contributing to **create impact** and achieve the Mission goals

✓ Benefit from **Mission services** and tools to **empower citizens** and young people to take action, by engaging in ocean literacy and education

✓ Benefit from a dynamic **investment** ecosystem and advisory services
Your benefits as Mission Actor

Visibility and promotion of your actions as a Mission Actor

Opportunities for networking and sharing best practices

Access to literacy and education tools

Access to Mission implementation Platform advisory services access to knowledge, projects portfolio, information on investment and funding opportunities

Awards through services for blue champions

Access to support from Lighthouse CSA’s / Facility to develop science and transition roadmaps, skills training
Leading actions for the creation of lighthouse communities

YOU can contribute to enhance and upscale the creation of “lighthouse communities” across the four lighthouses by 2023 by becoming a Mission actor.

Lighthouse communities are those who can deliver impact on the Mission objectives and targets.

For example: a group of ports, islands, regions, cities, fleets, industries, philanthropists and investors, universities and researchers, national research funding organisations, civic organisations, etc.

This for YOU is particularly the case for the Atlantic/Arctic lighthouse.
EXAMPLES of actions (objective 2) to achieve the Mission objectives

Depollute rivers and seas (collection, sorting, recycling of chemical/organic waste)

Enable fishers to collect plastic from the sea to be re-used for multiple purposes

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

Circularity and pollution reduction measures (sustainable waste management, storage and reuse of waste and discards, incl. from fisheries and algae)

Empower and educate local community towards a sustainable responsibility
How to adhere to the Charter

Adhere to the Charter by filling in the form on EUSurvey

Restore our Ocean and Waters.europa.eu
Your action on Mission Atlas

Over 400 actions submitted
Over 300 assessed actions are now part of this Mission!
Usefull links:

• Missions page: https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/eu-missions-horizon-europe_en

• Mission Ocean Charter submission: https://ec.europa.eu/eusurvey/runner/MissionOceanWatersCharter
But there is so much more on the global scene:

UNEA Resolution, entitled: “End plastic pollution: Towards an international legally binding instrument”.

Business Coalition for a Global Plastics Treaty convened by the Ellen MacArthur Foundation and WWF

COMMISSION FOR ENVIRONMENTAL COOPERATION: Last Stop: The Ocean” ....
PREVENTING MARINE PLASTICS: A CIRCULARITY APPROACH

Transforming the Lifecycle of Plastic

- **Rethink Source**
  - Sorting
  - Detection
  - Manufacturing
  - Distribution

- **Stop the Leakage**
  - Integrated solid waste management
  - Water treatment

- **Clean-up**
  - The last resort

What the World Bank is Doing

**Financing**
- Bonds
- Incentives
- Legal and regulatory reforms support
- Loans and grants for solid waste management and environmental sustainability

**Advisory Work**
- Elastic utility assessments
- Pollution identification
- Single-use plastic reduction
- Regulatory frameworks
- Cost-benefit analyses
- Economics
- De-risking/bonding tools
- Roadmap and implementation support

**Private Sector**
- Circular economy transitions
- Waste spacer and re-growth strategies
- Water reuse improvements
- New technologies and materials
- Livelihoods improvement

Outcomes

**Healthy Oceans**
- Safe habitats for ocean animals
- Carbon emissions avoided
- Ecosystem restored
- Greater biodiversity

**Healthy Economies**
- Investment opportunities in coastal areas
- More jobs
- Higher productivity
- Higher quality fisheries sector
- Lower clean-up costs for municipalities

**Healthy Communities**
- Improved public health
- New jobs and job security
- Less urban flooding
- Safer communities
- Greater gender equality

The interventions build a better world for all, especially for the world's poorest
We cooperate and navigate along and across the Atlantic Ocean and beyond together ....... but for that we need:

Knowledge and indigenous knowledge
Data , interoperability, open access,
Access to infrastructures /research results
Evidence based science results
Strong science/policy interface
Capacity building opportunities
Citizens and youth engagement/co-creation
Strong ownership and believe in what we do and can do together!
Join us for the event- registration is open