

EU MISSIONS

RESTORE OUR OCEAN & WATERS

Concrete solutions for our greatest challenges

November 2024

- Nikos ZAMPOUKAS
- DG Research & Innovation, Unit B.4, Oceans, Seas and Waters

#EUmissions #HorizonEU #MissionOcean







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Mission objectives and targets Restore our Ocean and Waters by 2030

Objective 1	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) 					
Objective 2	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 					
Objective 3	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 engager						





Implementing the Mission Ocean and Waters

1. Mobilisation of relevant actors

Mission Lighthouses: established frameworks for basin-level cooperation

Mission Charter: >600 actions with EUR 5.5bn, incl. buy-in from MS, regions, cities

Mission Forum: Annual gathering of Mission community

Blue Parks community: growing community of >80 members sharing knowledge, practices and assistance

Digital Ocean Forum: Building the community of practitioners delivering the DTO

Young people: volunteering (ESC), citizen science (Plastic Pirates), literacy (blue schools)

2. Supporting the transitions

Developing and demonstrating solutions: Growing portfolio of 66 projects with solutions tried and tested in >200 demo sites.

Associated regions: Making solutions available to >100 regions

DTO: Delivered the prototype DTO in June 2024

Support communities: technical assistance to 50 + 100 communities

Implementation platform: Matchmaking, support services, solutions portal, etc.

3. Deployment at scale

Financial support: synergies with structural funds, RRF, EMFAF, etc

Regions: development of Cooperation Working Arrangements to align and leverage funds

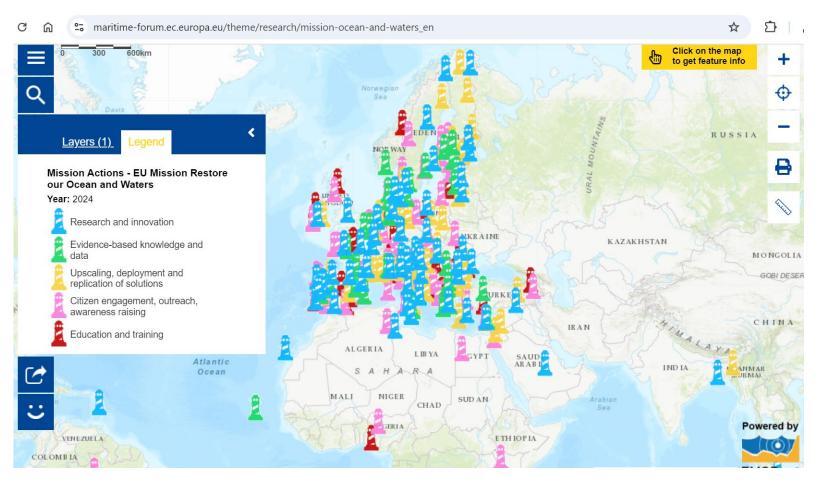
Blue Champions: financial advisory to 20 SMEs with EIB

Philanthropy: Alignment of public and private funds





ENDORSE THE MISSION CHARTER



https://ec.europa.eu/eusurvey/runner/MissionOceanWatersCharter



Objective 3



Baltic and North Sea lighthouse

Portfolio of projects

Low impact marine aquaculture and multi-purpose use of marine space, IA – 16M€	ULTFARMS - circUlar Low Trophic oFfshore Aquaculture in wind farms and Restoration of Marine Space OLAMUR - Offshore Low-trophic Aquaculture in Multi-Use Scenario Realisation
Lighthouse CSA - 3M€	BlueMissionBANOS - Supporting the Mission Ocean Lighthouse in the Baltic and North Sea basins
Bringing sustainable algae-based products and solutions to the market IA - 17M€	LOCALITY – Nature-positive aLgae-based fOod, agriCulture, AquacuLture and textlle producTs made in North and Baltic Sea ecosYstems AlgaePro BANOS- Accelerating algae product developments in Baltic and North Sea
Green, energy-efficient and sustainable small-scale fishing fleets IA- 12M€	SEAGLOW- Sustainable Energy Applications for Green and Low-impact Operation of small-scale fishing boats in the Baltic and North Sea basins REFEST- Retrofitting of fishing fleets with low payback time and easy to deploy solutions for footprint and GHG emissions reduction H2-Seas- Coastal Fishing Vessels Powered by Zero Emission Hydrogen Fuel Cell

2022

2023





• G7 Science & Technology high-level Event, Bologna 11 July 2024

Mediterranean and Atlantic Ocean Health and Coastal Resilience. A strategic initiative for the Mediterranean at the crossroad with the Atlantic in the frame of the EU Mission Restore our Ocean and Waters by 2030

G7 agree to strengthen open and safe international science cooperation

- EU Polar Science Week, 3-6 September, Copenhagen.
- From Danube source to Black Sea Healthy Waters and healthy life Burgas, 15 Oct 2024; BRIDGE Black Sea High Tech Summit, SBEP Sustainable Blue Economy for the Black Sea, Sofia 16-17 Oct

Upcoming Events

 Mission Ocean and Waters Forum 2025, Brussels 4 March 2025 and related events

Food 2030: EU R&I Policy Framework futureproofing our food systems



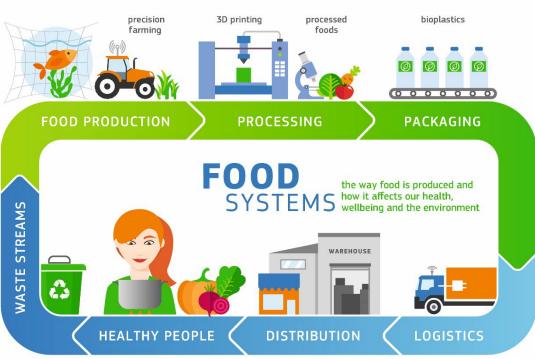
European

Commission

Priorities



International collaboration



- Need for a systemic approach to future-proofing food systems by structuring, connecting and scaling-up R&I
- To provide **evidence** for policies and **solutions** (knowledge, methods, technologies, services, business models, etc) addressing 4 priorities.

Research and Innovation

New Food 2030 Pathways for action 2.0 report

Over 100 Projects Over 760 M EUR

Systemic approach – delivering cobenefits, inter/transdisciplinary and multiactor Placed-based approaches for testing,

demonstrating, experimenting, deploying partnering, learning, sharing !!

All types of innovation

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`		PATHWAY 3 FOOD FROM THE OCEAN & FRESHWATER RESOURCES	••	000	••
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ZERO-POLLUTION

OOD SYSTEMS

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#FOOD2030EU

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FOOD 2030 Research and Innovation

Pathways for action 2.0

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2030



FOOD FROM THE OCEAN AND FRESHWATER RESOURCES



#FOOD2030**EU**

Investments

From 2018 onwards, under Horizon 2020 societal challenge 2, the EU has invested more than EUR 100 million in this area by supporting 15 projects. In the first 2 years of Horizon Europe, more than EUR 75 million were invested in seafood research under cluster 6, including under the EU mission 'Restore our ocean and waters by 2030', supporting 13 projects. An additional amount of approximately EUR 56 million is also expected as result of the 2023 and 2024 Horizon Europe topics related to this pathway.

3. BARRIERS AND LOCK-INS

- · Complex global seafood supply chains, in some cases dominated by a few powerful actors.
- Gaps in biological and ecological knowledge of aquatic organisms and ecosystems.
- Lack of effective international collaboration for the management of shared fish stocks.
- Lack of infrastructure for technology uptake by the seafood sector in several areas in Europe.
- Poor environmental performance and the impact of some aquaculture practices, for example on surrounding water quality.
- Cumbersome and slow administrative procedures for authorising aquaculture investments.
- High insurance, installation and monitoring costs for mariculture (nearshore and offshore), discouraging small-scale investors.
- Lack of familiarity with seafood consisting of photosynthetic and low-trophic aquatic organisms; lack of know-how on how to cook, prepare and combine them; and, in general, negative consumer perceptions of farmed seafood.
- · Limited consideration of seafood in the global food systems operating with a silo approach.



FOOD

2030

Food 2030 deployment via Horizon Europe



#HorizonEU

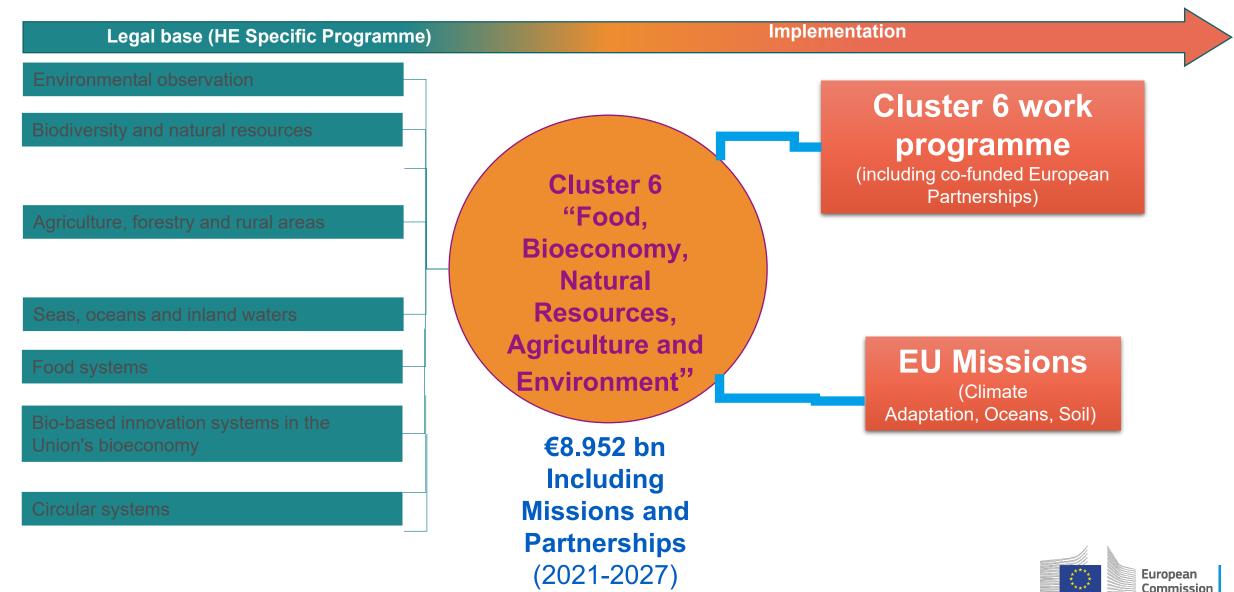
THE EU RESEARCH & INNOVATION PROGRAMME

2021 - 2027



Research and Innovation

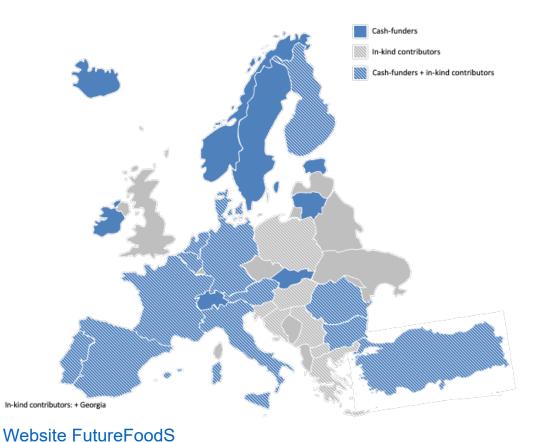
Overview



The new FutureFoodS Partnership

European

Transforming our food systems to be more sustainable, safe, healthy, resilient and trusted



Launch calls for R&I

- Implement Living Labs,
- Create a Food Systems observatory
 - 84 partners from 29 countries
 - Operative within the next 10 years with a total anticipated budget of ~ EUR 500 Mio. (30% co-fund rate)

• Part of a partnership landscape.



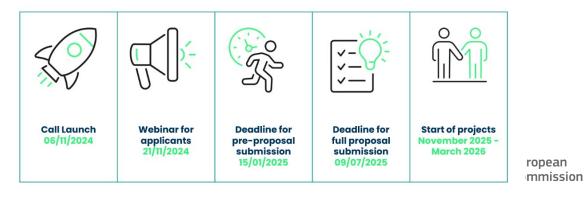
First Joint Transnational Co-Funded Call of the FutureFoodS Partnership is Now Open!



•Topic 1: The way towards sustainable and resilient food systems

•**Topic 2: New foods** – Fostering innovations in food design, processing and supply via demand and supply reorientation

•Topic 3: Empowering sustainable food choices – Enabling food environments and dietary shifts Timeline







Thank you!

Restore our Ocean and Waters - European Commission (europa.eu)

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