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Restaurar nuestros océanos y aguas para 2030

HORIZONTE

EUROPA
@HorizonteEuropa

**Jornada on-line Misiones en
Horizonte Europa**

21/02/2022

Contenido

Introducción

De los objetivos a la implementación

Los topics

Cinco misiones

Adaptation to
Climate Change



Cancer



Climate-neutral
and Smart Cities



Soil Deal
for Europe



Restore our
Ocean and
Waters

Las políticas

EU Biodiversity Strategy for 2030

Bringing nature back into our lives

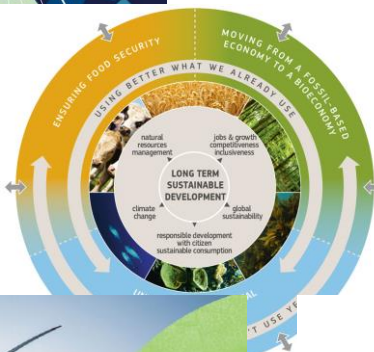
Fisheries Policy

The EU strategy on adaptation to climate change

ZERO POLLUTION ACTION PLAN

A new plan under the European Green Deal to move towards a pollution-free environment, for clean air, water and soil.

EU PLASTICS STRATEGY



A NEW APPROACH FOR A

SUSTAINABLE BLUE ECONOMY IN THE EU

EU offshore renewable energy strategy

#EUGreenDeal

SUSTAINABLE & SMART MOBILITY STRATEGY

From Farm to Fork: Our food, our health, our planet, our future

The European Green Deal

May 2020
#EUGreenDeal

Moving towards a more healthy and sustainable EU food system, a corner stone of the European Green Deal

- Make sure Europeans get healthy, affordable and sustainable food
- Tackle climate change
- Protect the environment and preserve biodiversity
- Fair economic return in the food chain
- Increase organic farming

Objetivos generales



De los objetivos generales a la implementación



Objective 1:

Protect and restore marine and freshwater ecosystems and biodiversity



Objective 2:

Prevent and eliminate pollution of our ocean, seas and waters



Objective 3:

Make sustainable Blue Economy carbon neutral and circular

Digital ocean and water knowledge system
Public mobilization & engagement



Proteger:

Mínimo del 30% superficie marina de la UE
Estrictamente al menos el 10%

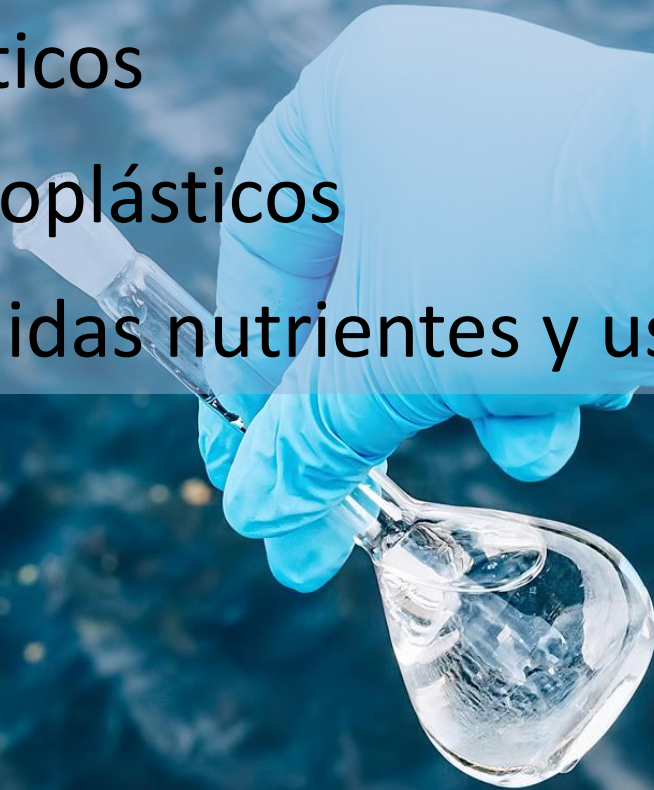
Restaurar al menos 25.000 km de ríos

Reducir:

50% plásticos

30% microplásticos

50% pérdidas nutrientes y uso de pesticidas



Eliminar emisiones gases efecto invernadero
Acuicultura de bajo impacto y circular



Una implementación en fases hasta 2030



Development and Piloting phase

2022-2025

- Mission lighthouses
- Blue Parks Platform
- Piloting and testing of innovative R&I solutions
- Precursor of digital ocean and water knowledge system
- Citizen science, literacy and engagement



Mid-term review
2025



Deployment and upscaling phase

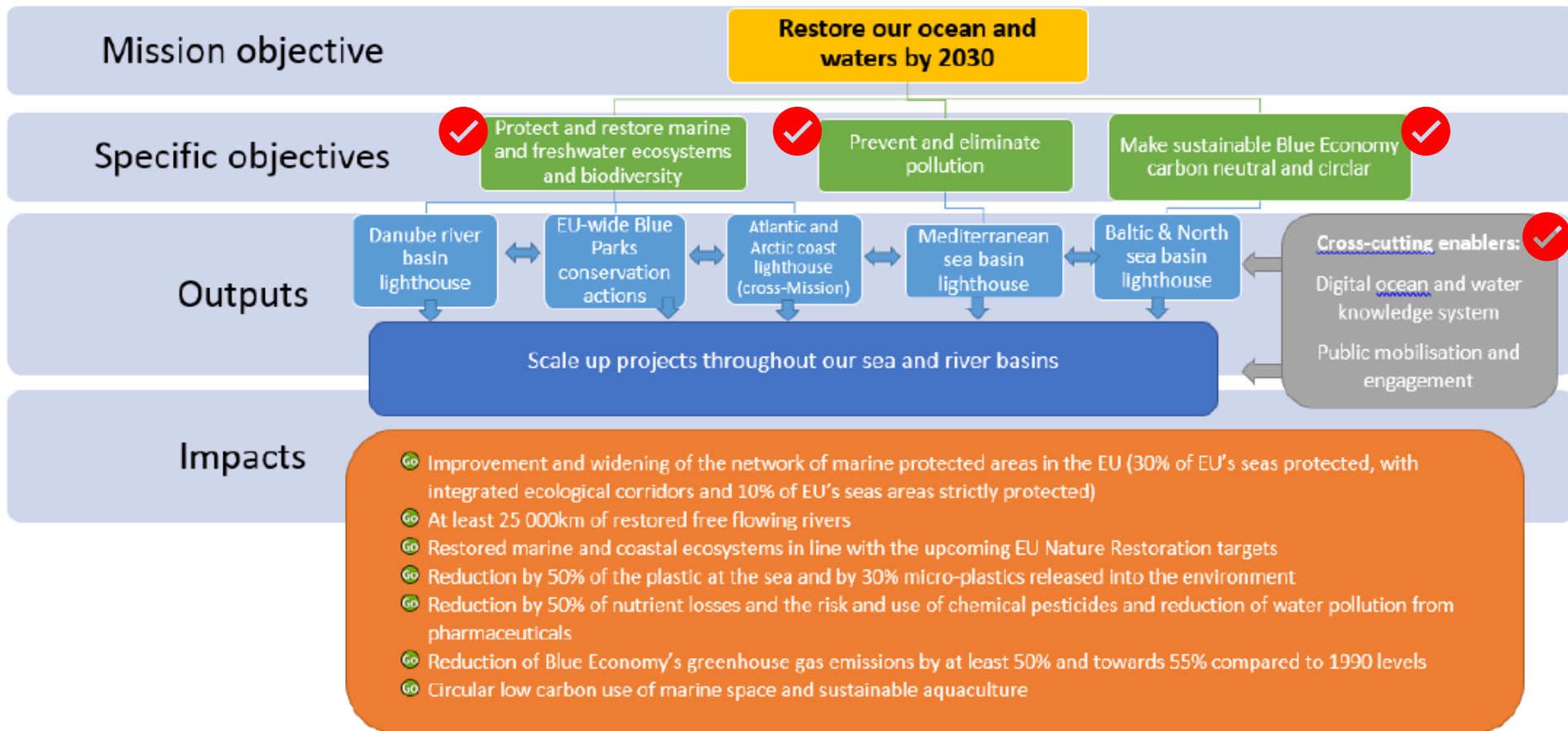
2026-2030

- Scale up projects
- Blue parks projects
- Dynamic investment ecosystem
- Digital Ocean and water knowledge system, Digital Twin Ocean
- Citizen science, literacy and engagement

Los pilotos se basan en iniciativas existentes

Leadership on Mission objectives	Lighthouse area	Selected existing networks
Protect and restore ecosystems and biodiversity (freshwater)	Danube river basin	Macroregional strategy for the Danube river basin ⁷⁷ International Commission for the Protection of the Danube river ⁷⁸
Protect and restore ecosystems and biodiversity (marine)	Atlantic and Arctic coast	All-Atlantic Ocean Research Alliance, Atlantic Action Plan 2.0, OSPAR, Copernicus global, NWS ⁷⁹ and IBI ocean monitoring and forecasting centres
Prevent and eliminate pollution	Mediterranean Sea ⁸⁰	Union for Mediterranean, BlueMed initiative incl. Pilot for a healthy, plastic-free Mediterranean ⁸¹ , UNEP-MAP (Barcelona Convention), PRIMA, Western Med sea-basin strategy, Copernicus Black-Sea and Med Sea Ocean monitoring and forecasting centres
Make the blue economy carbon-neutral	Baltic and North Sea basin	HELCOM ⁸² , OSPAR, Bonus Art. 185, BANOS Baltic and North Sea Co-operation, EU Strategy for the Baltic Sea Region, Copernicus, Arctic and Baltic ocean Monitoring and forecasting centre

La lógica de intervención



Presupuesto previsto

Selected EU Programmes supporting the Mission	Indicative contributions
Horizon Europe 2021-2023	EUR 344.15 million
EMFAF	EUR 217 million
InvestEU	EUR 140 million
COPERNICUS (in kind)	EUR 2430 million

Fuentes potenciales de financiación fase II

EU programme/funding source	Objective 1	Objective 2	Objective 3
Horizon Europe	X	X	X
LIFE (in particular Strategic Integrated Projects)	X	X	
CEF			X
ESIF (ERDF, CF, EMFAF)	X	X	X
NDICI		X	
RRF	X	X	X
INTERREG	X	X	X
Innovation Fund			X
InvestEU	X	X	X
BlueInvest		X	X

Sinergias

Mission Restore our Ocean and Waters by 2030

Other European Green Deal Missions

	Protecting and restoring aquatic ecosystems	Reducing pollution	Making the blue economy climate- neutral
Soils Mission			
Adaptation Mission			
Climate Neutral Cities			



Direct Thematic Synergies



Indirect Thematic Synergies



No Thematic Synergies

Cuatro convocatorias

**Protect and restore
marine and fresh water
ecosystems**

European Blue Parks (IA)

Danube river basin
lighthouse (IA+CSA)

Atlantic and Arctic basin
lighthouse (IA+CSA)

**Prevent and eliminate
pollution of our oceans,
seas and waters**

Mediterranean sea basin
lighthouse (IA+CSA)

**Sustainable, carbon-
neutral and circular
Blue economy**

Baltic and North Sea
basins lighthouse
(IA+CSA)

Digital knowledge system, public mobilisation and engagement

European Digital Twin
Ocean (IA)

Piloting citizen science in marine and
freshwater domains (CSA)

Young generations and
the sea (IA)

Protect and restore marine and freshwater ecos.

HORIZON-MISS-2021-OCEAN-02-01: European Blue Parks

Total Budget 17 m€

EU Contribution 8,5 m€

TRL 5-7

IA

Uso de Copernicus y/o Galileo/EGNOS



Protect and restore marine and freshwater ecos.

HORIZON-MISS-2021-OCEAN-02-02:

**Danube river basin lighthouse –
restoration of fresh and transitional
water ecosystems**

Total Budget 17 m€

EU Contribution 8,5 m€

TRL 5-7 IA

Al menos 3 países de la cuenca

Uso de Copernicus y/o Galileo/EGNOS

Participación JRC

Financial Support to Third Parties

HORIZON-MISS-2021-OCEAN-02-04:

**Danube river basin lighthouse –
coordination activities**

Total Budget 3 m€

EU Contribution 3 m€

CSA

Project portfolio

Link con:

HORIZON-MISS-2021-OCEAN-02-02

Protect and restore marine and freshwater ecos.

**HORIZON-MISS-2021-OCEAN-02-03:
Atlantic and Arctic basin lighthouse -
restoration of marine and coastal
ecosystems and increased climate
resilience**

Total Budget 17 m€

EU Contribution 8,5 m€

TRL 5-7 IA

Al menos 3 países de la cuenca

Uso de Copernicus y/o Galileo/EGNOS

Participación JRC

Financial Support to Third Parties

**HORIZON-MISS-2021-OCEAN-02-05:
Atlantic and Arctic basins lighthouse –
coordination activities**

Total Budget 3 m€

EU Contribution 3 m€

CSA

Project portfolio

Link con:

HORIZON-MISS-2021-OCEAN-02-03

Prevent and eliminate pollution ocean, seas and waters

**HORIZON-MISS-2021-OCEAN-03-01:
Mediterranean sea basin lighthouse -
actions to prevent, minimise and
remediate litter and plastic pollution**

Total Budget 16 m€
EU Contribution 8 m€

TRL 5-7 IA

Al menos 3 países de la cuenca

Participación JRC

Financial Support to Third Parties

**HORIZON-MISS-2021-OCEAN-03-02:
Mediterranean sea basin lighthouse –
coordination activities**

Total Budget 3 m€
EU Contribution 3 m€

CSA

Project portfolio

Link con:

HORIZON-MISS-2021-OCEAN-03-01

Sustainable, carbon-neutral and circular Blue Economy

**HORIZON-MISS-2021-OCEAN-04-01:
Lighthouse in the Baltic and the North
Sea basins - Low impact marine
aquaculture and multi-purpose use of
marine space**

Total Budget 16 m€

EU Contribution 8 m€

TRL 5-7 IA

Al menos 3 países de la cuenca

Financial Support to Third Parties

Sustainable, carbon-neutral and circular Blue Economy

**HORIZON-MISS-2021-OCEAN-04-02:
Baltic and North Sea basin lighthouse
– coordination activities**

Total Budget 3 m€

EU Contribution 3 m€

CSA

Project portfolio

Link con:

HORIZON-MISS-2021-OCEAN-04-01



Mission Enabling activities

HORIZON-MISS-2021-OCEAN-05-01: Underlying models for the European Digital Twin Ocean

HORIZON-MISS-2021-OCEAN-05-02: The relation of young generations with the sea and water: values, expectations, and engagement

HORIZON-MISS-2021-OCEAN-05-03: Piloting citizen science in marine and freshwater domains

QUESTIONS?

ANSWERS!

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+info sobre programas y ayudas CDTI
para
proyectos de I+D empresarial e innovación



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