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Misión “Restore our oceans and waters by 2030

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Introducción

Los topics

Las políticas

The EU strategy on adaptation to climate change

EU Biodiversity Strategy for 2030

Bringing nature back into our lives

Fisheries Policy

EU PLASTICS STRATEGY

Hydrogen Strategy

#EUGreenDeal

EU offshore renewable energy strategy

#EUGreenDeal

A NEW APPROACH FOR A SUSTAINABLE BLUE ECONOMY IN THE EU

SUSTAINABLE & SMART CITY STRATEGY

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.

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

The European Green Deal

May 2020

#EUGreenDeal

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



Let's get to work on food



Tackle climate change



Protect the environment and preserve biodiversity

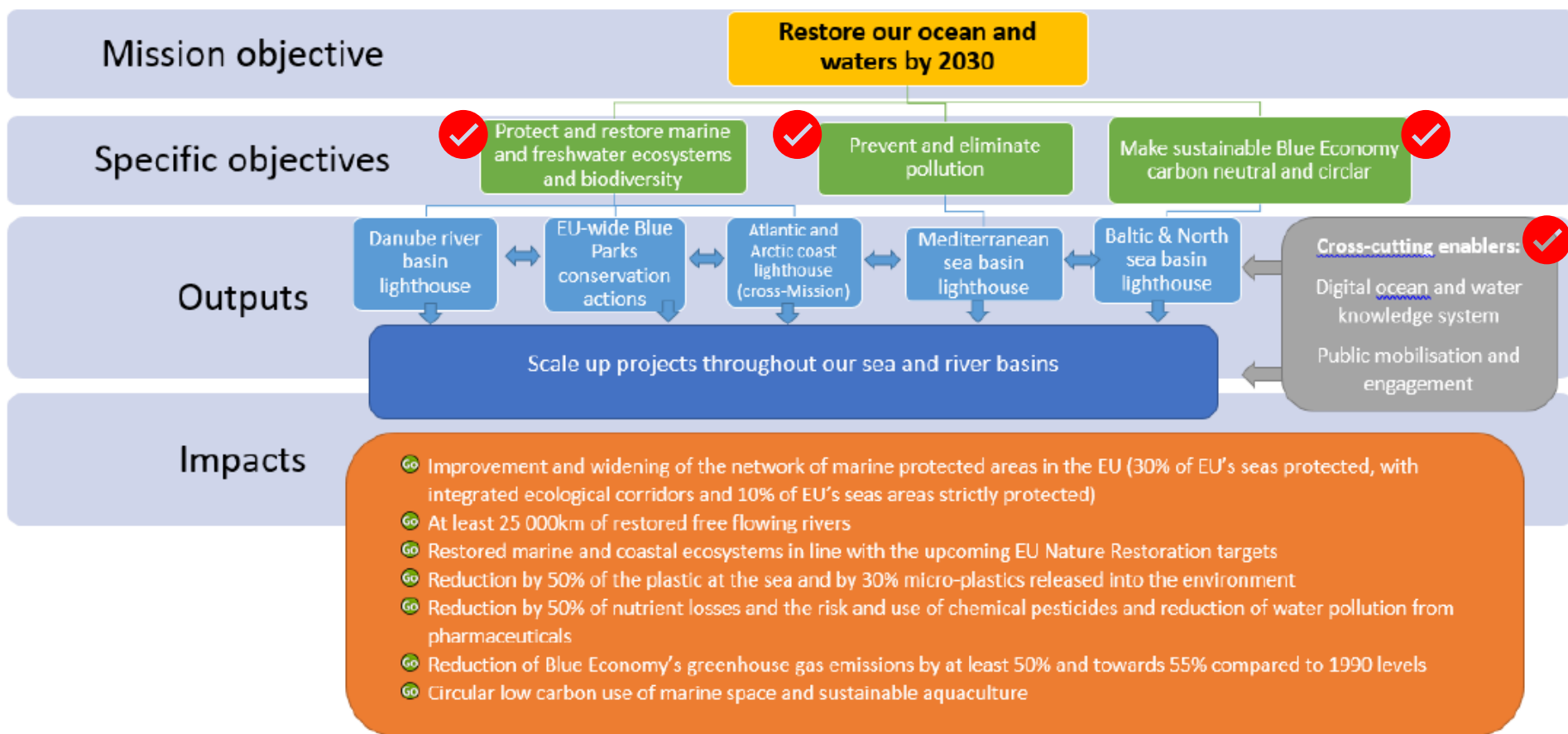


Fair economic return in the food chain



Increase organic farming

La lógica de intervención



Objetivos de la misión

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



EUROPEAN UNION

Mission lighthouses:
spaces of transformation to pilot, demonstrate, develop and deploy the Mission activities across EU

Baltic & North sea basin



**MAKE THE BLUE
ECONOMY CARBON-
NEUTRAL AND CIRCULAR**

Mediterranean sea basin



**PREVENT AND ELIMINATE
POLLUTION OF OUR
OCEAN, SEAS AND
WATERS**

Danube river basin

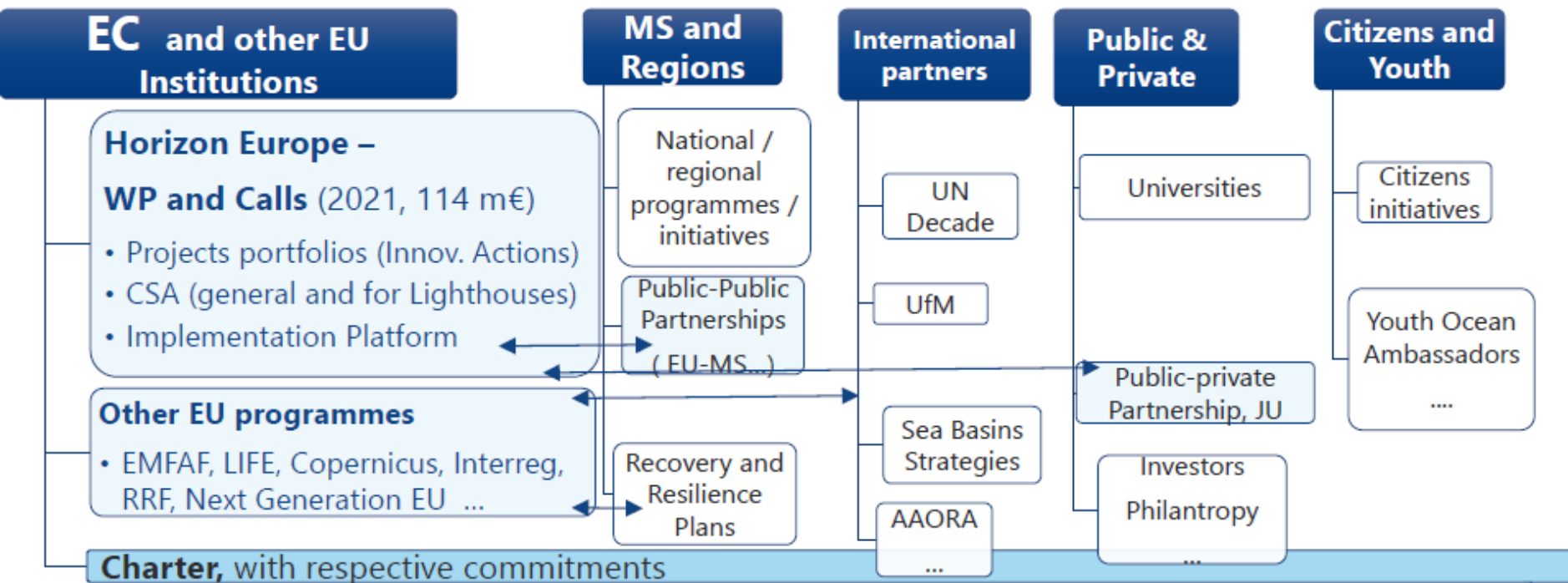


**PROTECT AND RESTORE
MARINE AND FRESHWATERS
ECOSYSTEMS AND
BIODIVERSITY**

Atlantic & Arctic coast



Implementing the Mission: WHO does WHAT and HOW?





Mission Charter action areas

- ✓ **Research and innovation:** mobilise your programmes, instruments and resources for healthy ocean and waters and a sustainable blue economy
- ✓ **Upscaling, deployment and replication of solutions:** support well-functioning innovation ecosystems and its different components: finance, investments, infrastructures, talents, regulations, ...
- ✓ **Evidence-based knowledge and data:** generate, use and share authoritative knowledge and data in marine, maritime and biodiversity domains in line with FAIR principles and feed the Mission Ocean Knowledge System and Mission baseline studies
- ✓ **Outreach, public mobilisation and engagement:** promote involvement and citizen-led initiatives; ocean literacy; awareness raising and participatory approaches
- ✓ **Establishment of communities of practice** to serve as fora for co-design, exchanges of experiences, tools and good practice, to coordinate actions and to take stock of progress



EU Support for Mission

Baseline studies (HE)

Portfolio of projects and initiatives
(HE and other programmes)

EU strategic and financial support for Mission lighthouses

Coordination and Support Actions (HE)

Mission Implementation Platform (HE)

Implementation Charter

SYNERGIES – Teaming up beyond EC / HE level

Across different EU Programmes

Horizon Europe, EMFAF, Life, Inter-Reg, InvestEU

With Member States and Regions

National and regional programmes / initiatives, partnerships

With International partners / initiatives

UN Decade Ocean Sciences, UfM, Alliances (e.g. AAORA)

With public & private sectors, and investors

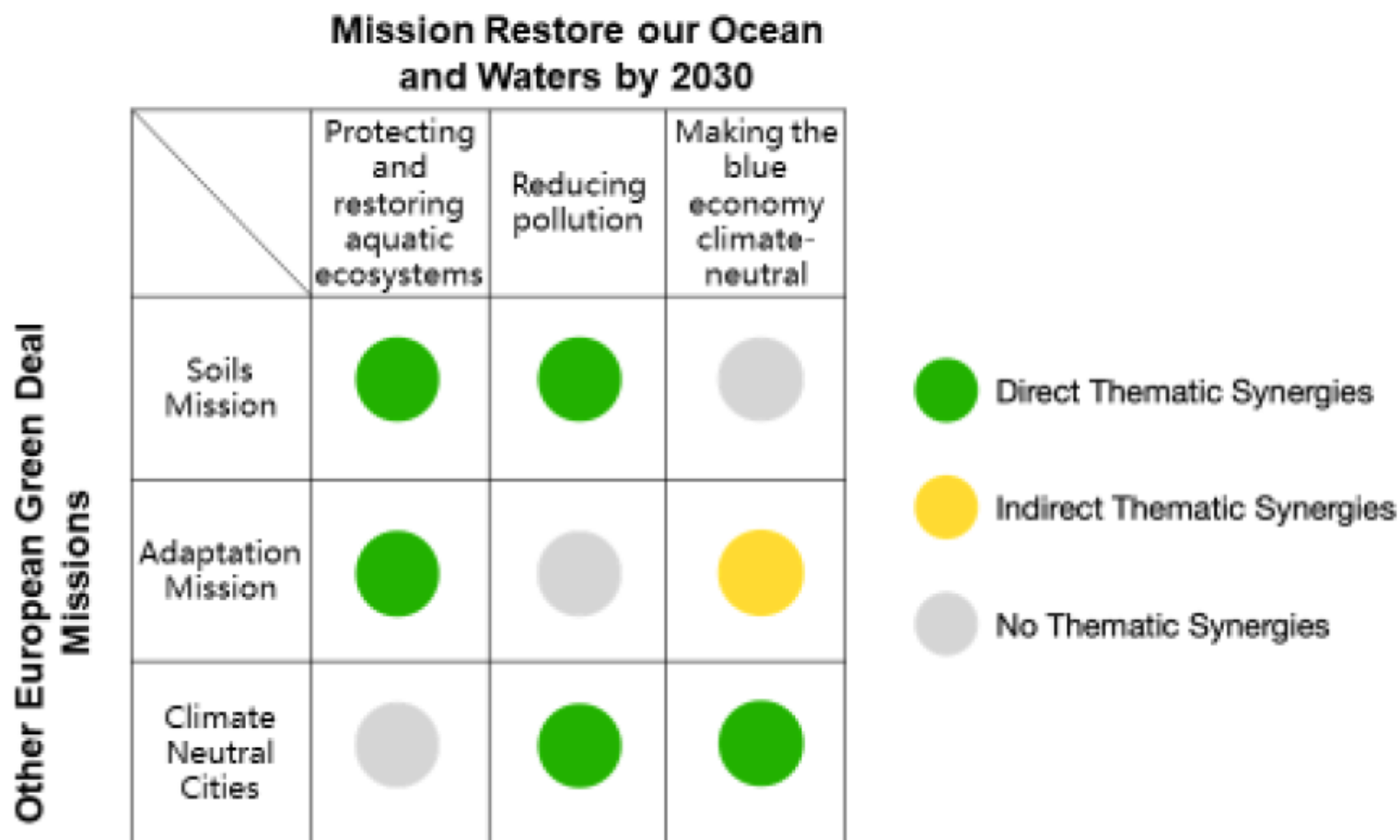
Universities, Joint Undertakings, EIB, EBRD, philanthropy

With citizens and youth

Citizens initiatives, EU4Ocean, Youth ocean Ambassadors



Sinergias entre misiones



HORIZON-MISS-2022-OCEAN-01

- 11 TOPICS
- 7 RIAs & 3 CSAs
- 1 Joint action OCEAN-CLIMA
- Apertura 12/05/2022
- Cierre 27/09/2022
- Presupuesto total 126 m€
- 20 Proyectos (19+1)

Objetivo 1.
Protect and restore marine
and freshwater ecosystems
and biodiversity



HORIZON-MISS-2022-OCEAN-01-01: European Blue Parks –
Protection and restoration
solutions for degraded coastal
and marine habitats

Budget 8,5-17 m€
Copernicus and/or
Galileo/EGNOS
IA-TRL 5-7
EMODnet

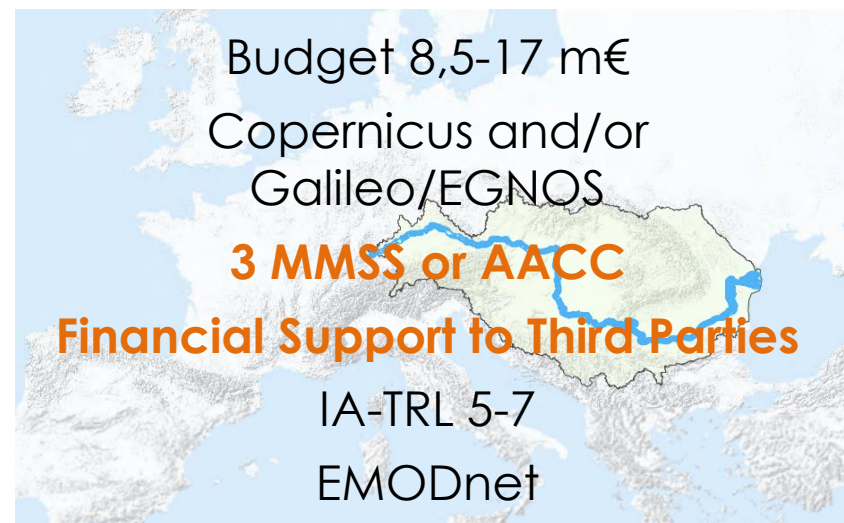
HORIZON-MISS-2022-OCEAN-01-02:
Danube river basin lighthouse –
Protection and restoration of
wetlands, flood plains, coastal
wetlands and salt marshes and
their biodiversity



HORIZON-MISS-2022-OCEAN-01-01: European Blue Parks – Protection and restoration solutions for degraded coastal and marine habitats

HORIZON-MISS-2022-OCEAN-01-02: Danube river basin lighthouse – Protection and restoration of wetlands, flood plains, coastal wetlands and salt marshes and their biodiversity

Budget 8,5-17 m€
Copernicus and/or
Galileo/EGNOS
IA-TRL 5-7
EMODnet



Objetivo 2. Prevent and eliminate pollution ocean, seas and waters





HORIZON-MISS-2022-OCEAN-01-03: Mediterranean sea basin lighthouse - Actions to prevent, minimise and remediate chemical pollution

Budget 8,5-17 m€
Copernicus and/or Galileo/EGNOS

3 MMSS or AACC

IA-TRL 5-7

EMODnet

Financial Support to Third Parties



HORIZON-MISS-2022-OCEAN-01-04: Prevent and eliminate litter, plastics and microplastics: Innovative solutions for waste-free European rivers

Budget 10 m€
Copernicus and/or Galileo/EGNOS

5 innovative solutions tested

IA-TRL 7-8

EMODnet

Financial Support to Third Parties



HORIZON-MISS-2022-OCEAN-
01-05: Marine litter and
pollution – Smart and low
environmental impact fishing
gears

Budget 2,5-10 m€

3 innovative solutions tested

IA-TRL 7-8



Objetivo 3. Sustainable, carbon-neutral and circular Blue economy



HORIZON-MISS-2022-OCEAN-01-06: Lighthouse in the Baltic and the North Sea basins – bringing sustainable algae-based products and solutions to the market

Budget 8,5-17 m€
Copernicus and/or Galileo/EGNOS

3 MMSS or AACC

IA-TRL 7-8

EMODnet





**Mission Enabling activities: Digital
Ocean and Water Knowledge
System, public mobilisation and
engagement, dynamic investment
ecosystem**

HORIZON-MISS-2022-OCEAN-01-07: Integration of biodiversity monitoring data into the Digital Twin Ocean

Budget 10 m€

Copernicus and/or Galileo/EGNOS

IA-TRL 5-7

Topic linked to 3 actions

Financial Support to Third Parties

EMODnet

HORIZON-MISS-2022-OCEAN-01-08: Student and school activities for the promotion of education on 'blue' sustainability and the protection of marine and freshwater ecosystems

Budget 3 m€

CSA

Financial Support to Third Parties

HORIZON-MISS-2022-OCEAN-01-07: Integration of biodiversity monitoring data into the Digital Twin Ocean

HORIZON-MISS-2022-OCEAN-01-08: Student and school activities for the promotion of education on 'blue' sustainability and the protection of marine and freshwater ecosystems

Budget 10 m€
Copernicus and/or
Galileo/EGNOS

IA-TRL 5-7

Topic linked to 3 actions
Financial Support to Third Parties
EMODnet

Budget 3 m€
CSA

Financial Support to Third Parties

HORIZON-MISS-2022-
OCEAN-01-09: Towards a
European e-DNA library of
marine and freshwater
species

HORIZON-MISS-2022-OCEAN-
01-10: Towards local
community-driven business
models: regenerative ocean
farming

Budget 2 m€
CSA

Topic linked to 3 actions

Budget 3 m€
CSA
1 Project / sea basin
EMODnet

HORIZON-MISS-2022-
OCEAN-01-09: Towards a
European e-DNA library of
marine and freshwater
species

HORIZON-MISS-2022-OCEAN-
01-10: Towards local
community-driven business
models: regenerative ocean
farming

Budget 2 m€
CSA

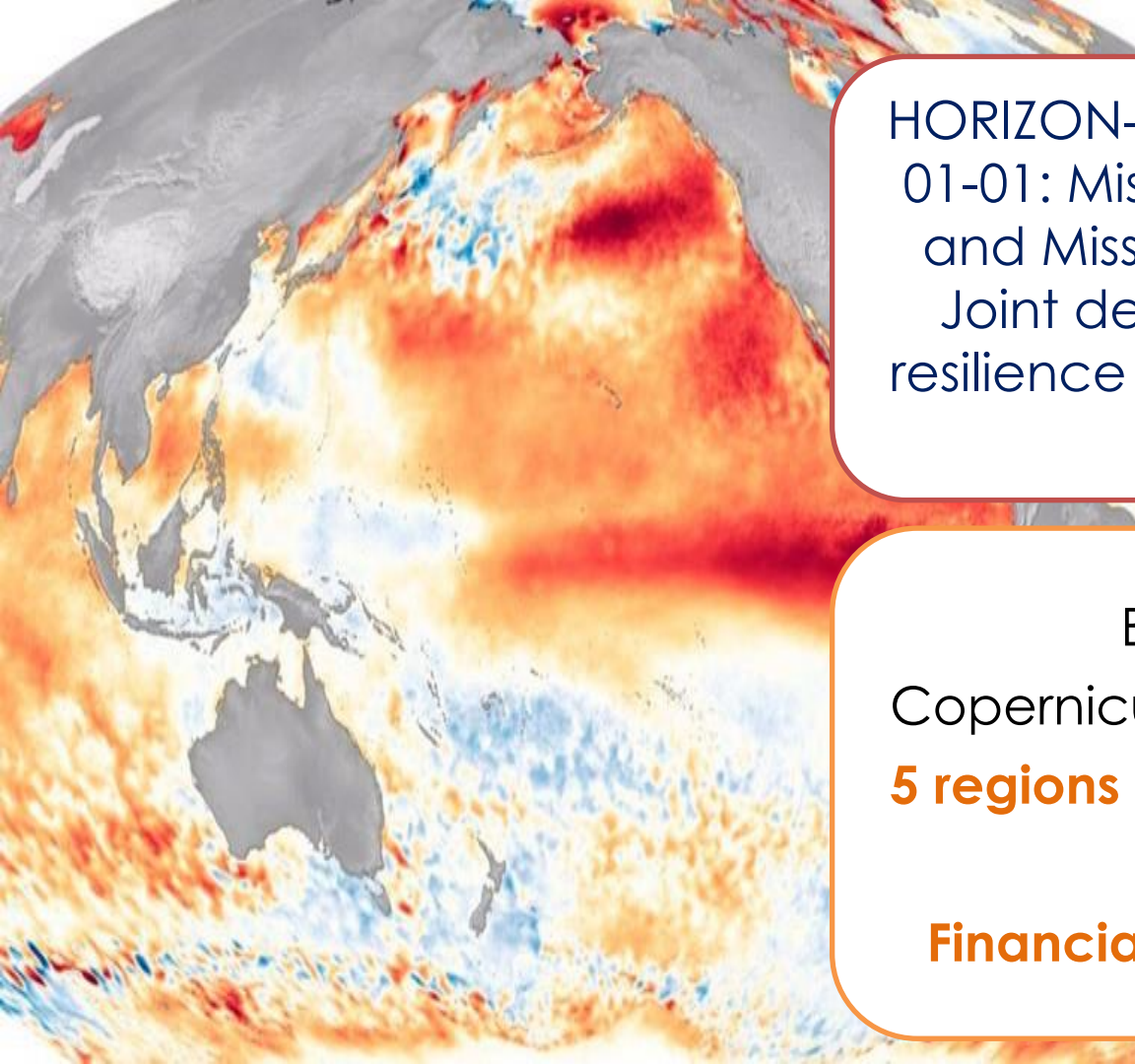
Topic linked to 3 actions

Budget 1-3 m€
CSA

1 Project / sea basin
EMODnet

JOINT ACTION OCEAN-CLIMA





HORIZON-MISS-2022-OCEANCLIMA-01-01: Mission Climate adaptation and Mission Ocean and waters - Joint demonstration for coastal resilience in the Arctic and Atlantic sea basin

Budget 20-20 m€

Copernicus and/or Galileo/EGNOS

5 regions in 3 countries of the basin

IA-TRL 5-7

Financial Support to Third Parties

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



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