Funded by the European Union

EU4 @ceanobs
INTERNATIONAL OCEAN GOVERNANCE
EU COMPONENT TO GLOBAL OCEAN OBSERVATIONS

From Data to Policy: The Ocean Observation Value Circle

Audrey Hasson, GEO Blue Planet
Mercator Ocean Intl

MERCATOR OCEAN INTERNATIONAL

Ocean observation is a first, essential link in a value chain that runs from observations to data, models, services, actionable information and knowledge. This continuum is critical to understand and adapt to climate change, safeguard marine ecosystems, nurture a sustainable blue economy and bolster coastal resilience.

The EU4OceanObs project

EU4OceanObs overall objective is to make the EU more visible as a global actor, defend its interests and strengthen its influence in international decision-making bodies related to the collection and use of ocean observations.

EU4OceanObs 2.0 builds on its original mission to catalyse essential partnerships between European and international infrastructures and programmes across the Ocean observing value chain.

It carries out its work by supporting three major coordination actions:

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G7 FUTURE OF THE SEAS AND OCEAN INITIATIVE

the G7 Future of the Seas and Oceans Initiative, to increase deployments of Ocean observing infrastructure and improve access to global data to support EU requirements.

2021 2030 United Nations Decade of Ocean Science for Sustainable Development

The UN Decade of Ocean Science for Sustainable Development, **to provide EU-to-international engagement coordination**

GEO BLUE PLANET

GEO Blue Planet, **to develop and promote European marine and maritime applications from Ocean observing data**

EU4OceanObs : A Science Diplomacy Instrument

Diplomacy for science: ‘Facilitating international science cooperation’

Science for diplomacy: ‘Using science cooperation to improve international relations between countries’

Science in diplomacy: ‘Informing policy objectives with scientific advice’

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As Defined in 2010 by the American Association for the Advancement of Science (AAAS) and the British Royal Society, Science Diplomacy is a fluid concept with three broad categories :

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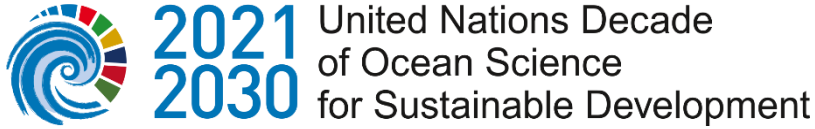
Science for diplomacy: 'Using science cooperation to improve international relations between countries'



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EU4OceanObs supporting Science in diplomacy

BRIDGING THE GAP BETWEEN OCEAN DATA AND SOCIETAL NEEDS TO DELIVER ACTIONABLE INFORMATION

Science in Diplomacy : 'Informing policy objectives with scientific advice'

Data on its own is not responding to societal needs, rather data-based information, tailored to specific needs.

GEO Blue Planet aims to bring data to policy makers in an actionable form.

EU4OceanObs supporting Science in diplomacy

BRIDGING THE GAP BETWEEN OCEAN DATA AND SOCIETAL NEEDS TO DELIVER ACTIONABLE INFORMATION

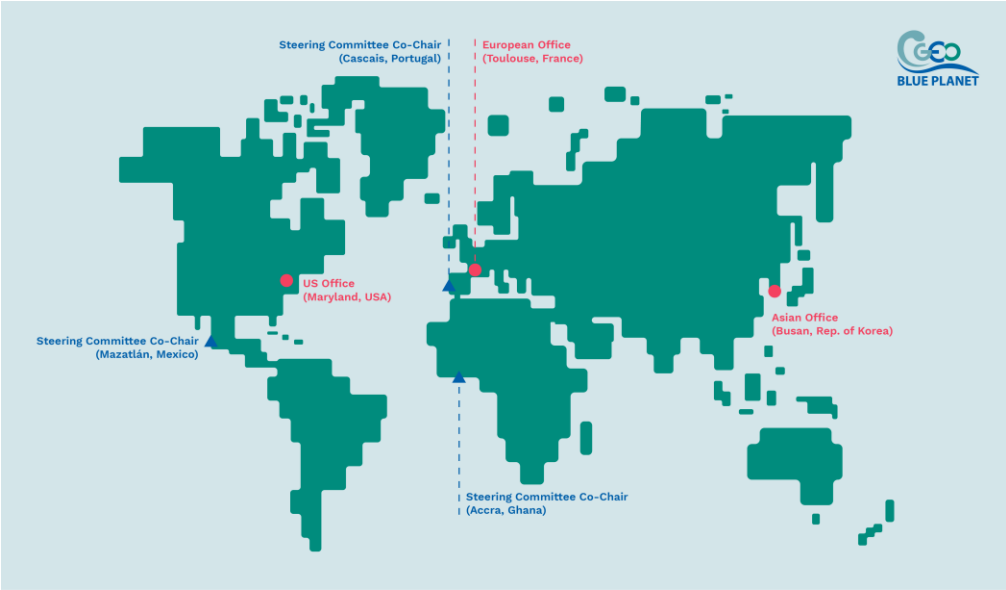
GEO Blue Planet : diverse and inclusive

2015
US Office

2020
European
Office

2022
Asian Office

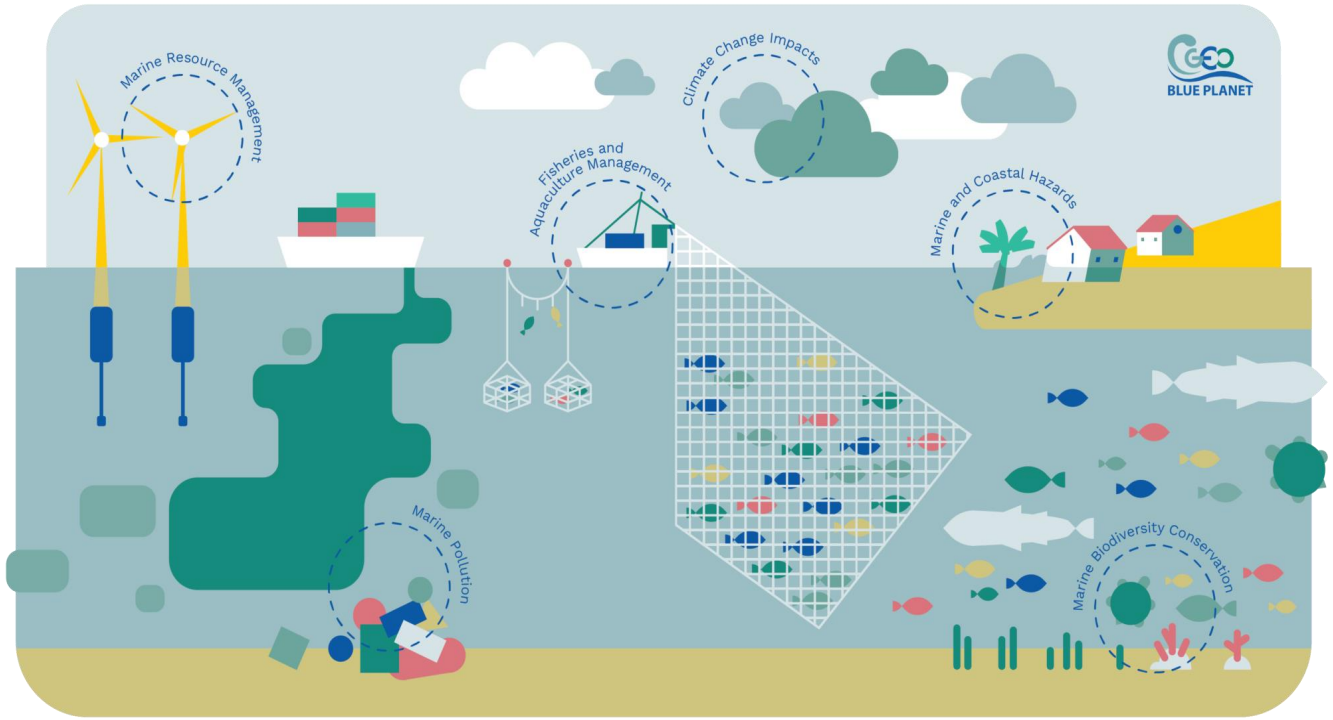
Steering committee co-chairs from Africa, Central America and Europe, and members from every continent



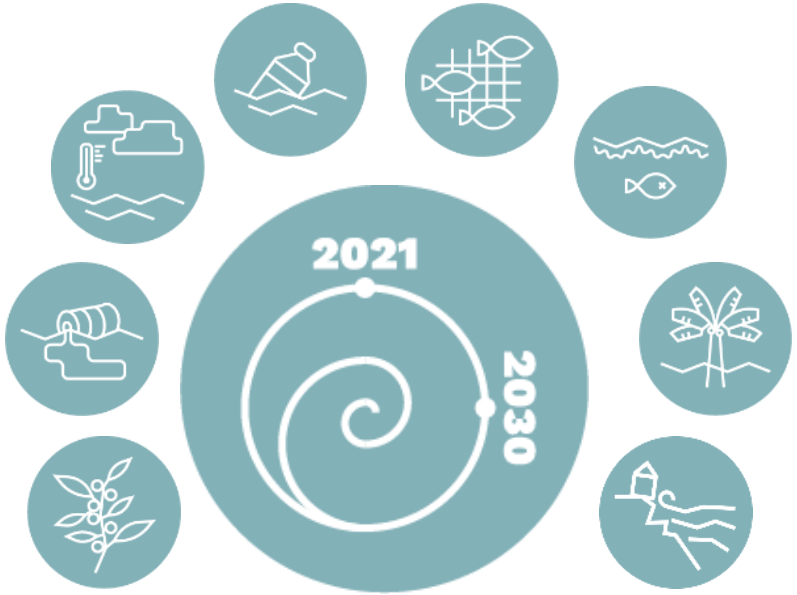
Strong involvement of early career ocean professionals

a Task Team of the UN Ocean Decade ECOP Programme

GEO Blue Planet Scope of Action



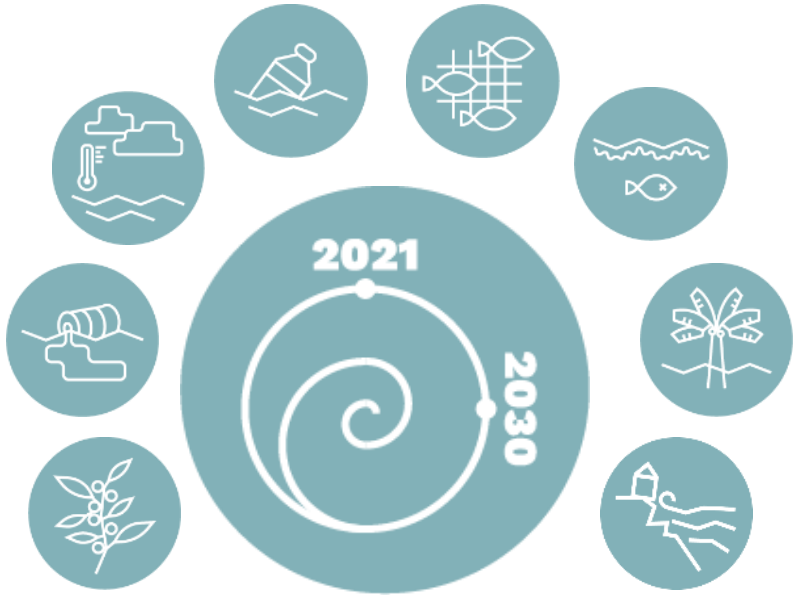
Thematic Areas



8 Thematic Working Group

Following needs communicated by our members, GEO Blue Planet selected specific topics to highlight the value of Observation and Prediction for the benefit of society

GEO Blue Planet Activities



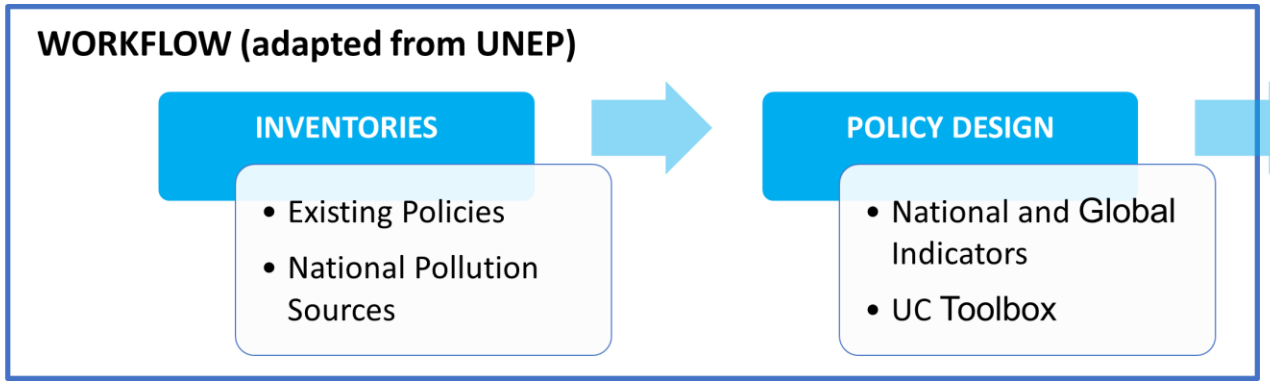
8 Thematic Working Group

We gather over a **hundred members contributing** to our activities from **all types of stakeholders communities** incl.

- **technical experts** from academia or the private sector
- **end user representatives** from national, regional to intergovernmental bodies

GEO Blue Planet – Marine Litter Working Group

Following the request of Member States established through UNEA, UNEP guides pilot countries to develop **National Action Plans** through **evidence-based approach**. Without being prescriptive, a workflow is designed to facilitate and accelerate the activities for the development of a country's strategy to address pollution.



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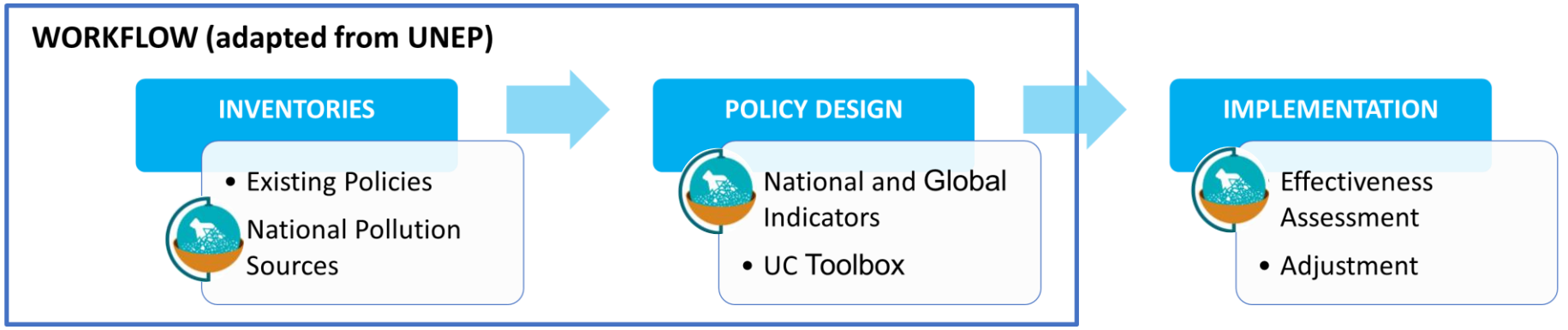
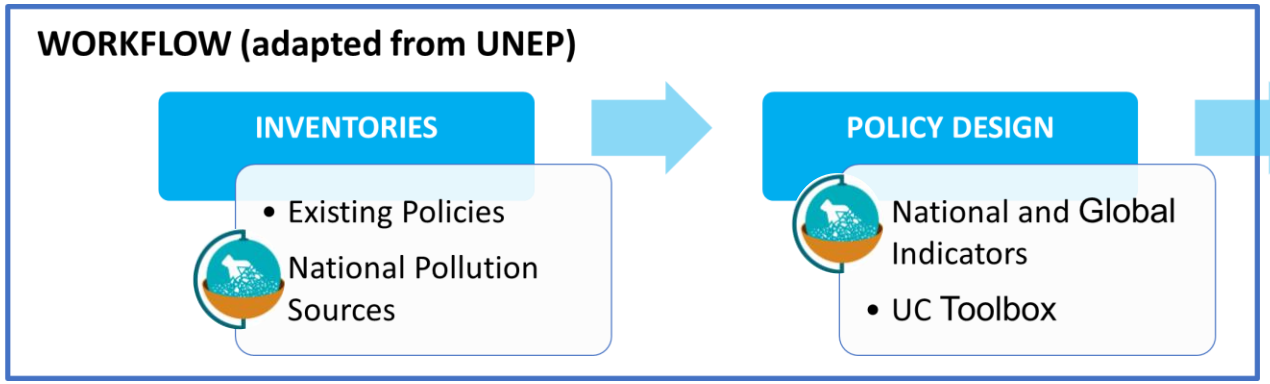


GPML
Global Partnership on Marine Litter

IMDOS
INTEGRATED MARINE DEBRIS OBSERVING SYSTEM

Inspired by the collective vision of the marine debris scientific community, the Integrated Marine Debris Observing System (IMDOS) aims to provide **coordination and guidance to lead the marine debris community in establishing a sustained global observing system and facilitating open access to data.**

GEO Blue Planet – Marine Litter Working Group



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From and for the modelling community:

- Models can enable the dvpt of « what if » scenarii
- Focused Modelling Task team
- Developements (especially close to coasts)
- Observations requirements
- Observing System Design

GEO Blue Planet – Sargassum Working Group

Public – Private coordination to deliver actionable information :

“ Where does Public Service stop, and Private Business starts ?”

2020

- Scientists running forecast on their local computers
- Remote Sensing developed by Academia, National Services and private sector.
- Virtually no in situ observations
- Member States – blindfolded for adaptation and mitigation

2024+

- Operationalization of forecasts
- Remote Sensing : successful Copernicus Service Evolution
- Private sector : public and private funding
- Cooperation for in situ observations guidelines
- Member States – Monitoring and Forecasting needs assessed

From and for the modelling community:

- Models are essential for decision making with lead time (days to seasonal and interannual)
- Modelling Task team focusing on developements (especially for beaching)
- Express observations requirements -> Mass
- Cameras: local capacity developement to provide stranding, currents etc …

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2025

European Union EXTERNAL ACTION

Interreg

2024+

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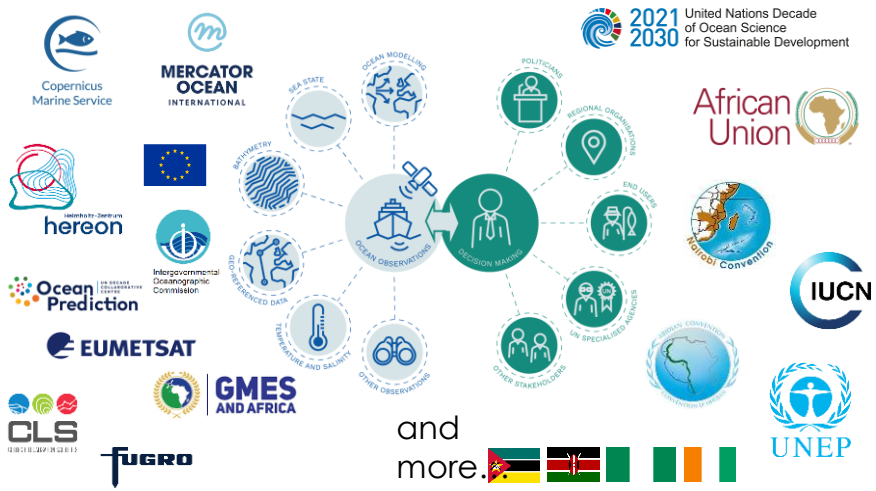
- Expend the Sargassum Information Hub
- Increase in situ observations
- Create a pilot decision making tool for prediction of mats in the EEZ
- Value-chain Forum Summer 2025

GEO Blue Planet – Engaging at the Regional Level

Foster the use and development of Ocean and Coastal information in Africa

Lead the organisation of the **Ocean Observation and Prediction for Coastal Sustainability in Africa workshop in Nairobi (Kenya)** with the Coastal Working Group and other expert groups



4 days of **plenary sessions and break out workshops** on

- Ocean observation and prediction for policy, blue economy and decision making
- Coastal hazards, blue carbon and Ocean sciences capabilities in Africa
- Earth-observation based products and services for Africa.

With special **thematic focus :**

- Shoreline and seabed mapping
- Coastal flooding and inundation
- Coastal ecosystem mapping
- Coastal waters quality

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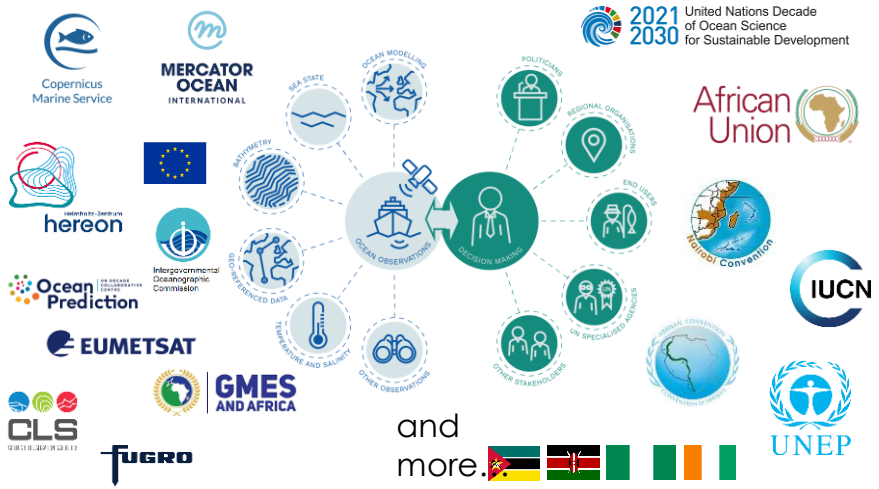

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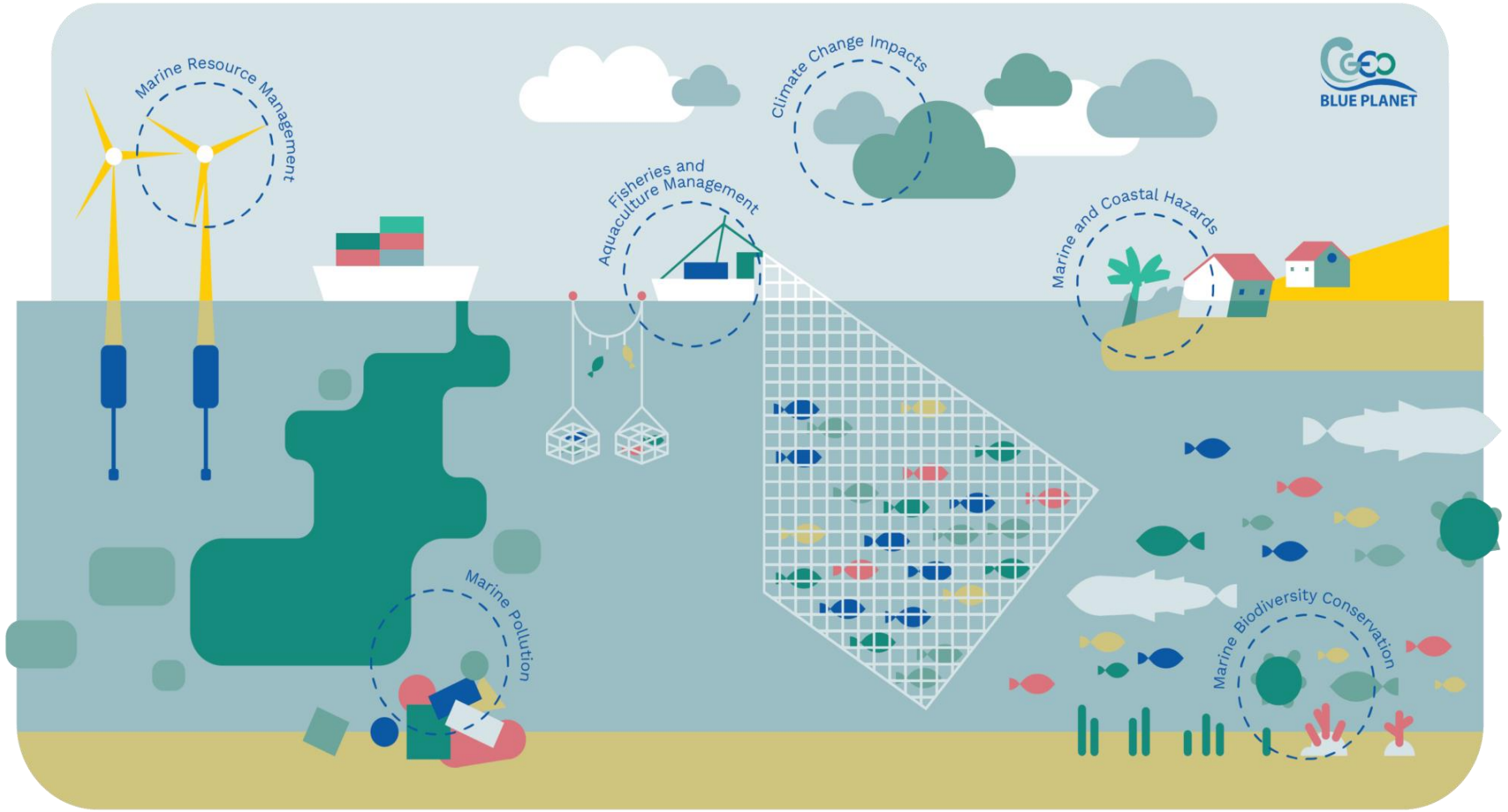
International Partnerships

OPERA

Coming soon…

Thank you !



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