

# BLUEMISSION AA

Building a coordination hub to support the mission implementation in the *Atlantic and Arctic Basin*

# Dictamen 162

sobre las posibilidades de  
pesca 2023



## Objetivos particulares de la sociedad europea

- La seguridad y la soberanía alimentaria
- La respuesta al cambio climático
- La conservación del hábitat y ecosistemas
- El dinamismo de las regiones costeras
- La mejora de los conocimientos
- La transición energética

# Dictamen 163

## Consulta sobre el Plan de Gestión de las Aguas Occidentales



### Enfoque ecosistémico

- Mejorar el conocimiento de los factores antropogénicos que repercuten en las zonas de pesca funcionales
- Priorizar y reducir el impacto de los diversos factores antropogénicos en la renovación de los recursos y el mantenimiento o la restauración Ambiental
- Permitir el mantenimiento de un nivel mínimo de explotación cuando se reconozca que el impacto de la pesca es menor en la renovación del recurso o en el mantenimiento/restauración del buen estado ecológico

# Dictamen 163

## Consulta sobre el Plan de Gestión de las Aguas Occidentales



### Enfoque ecosistémico

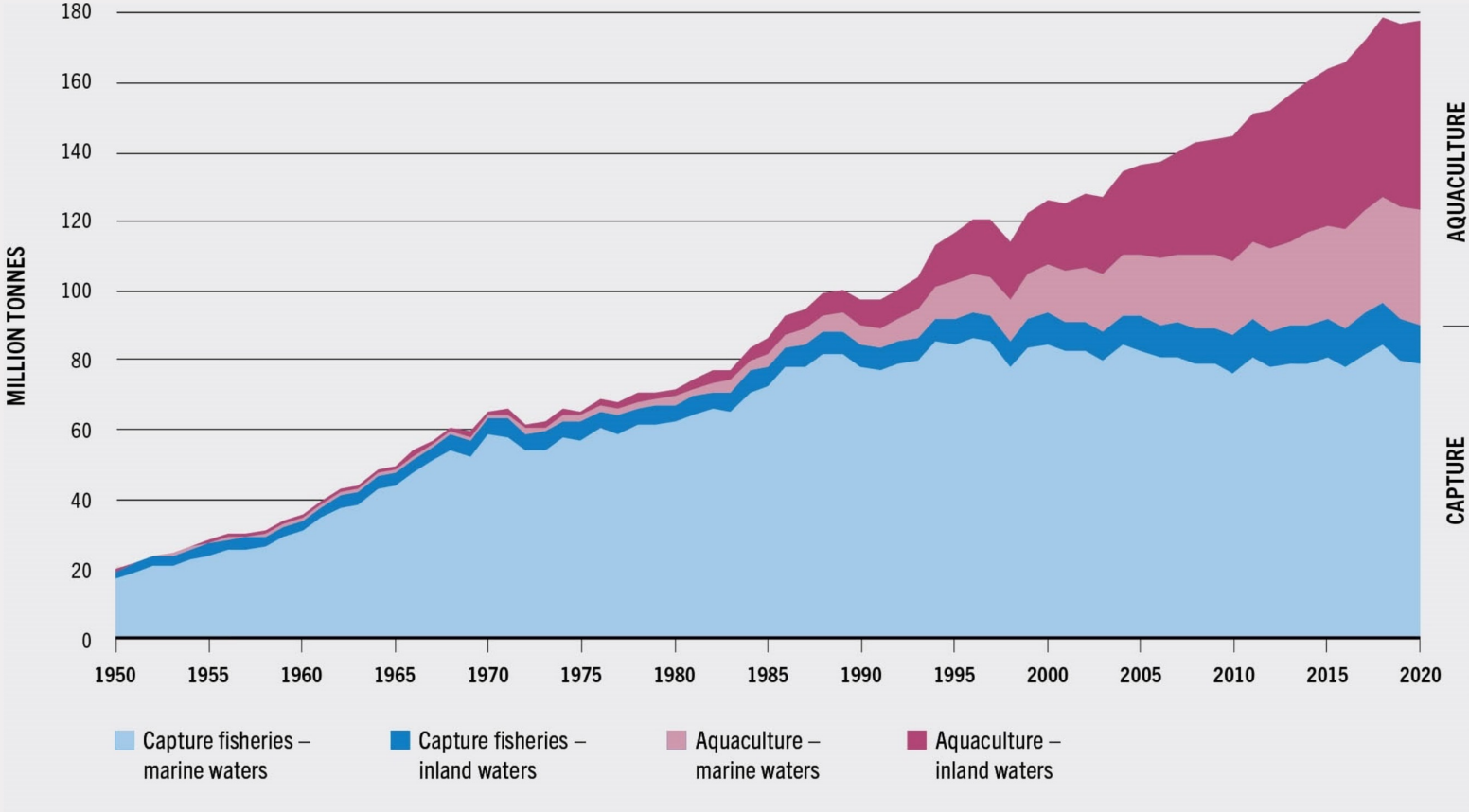
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# SOFIA 2022

## Global fisheries and aquaculture production reached a record 214 Mt in 2020

Animals = 178 Mt Capture fisheries = 90 Mt (↓2.1%). Aquaculture = 87 Mt (↑2.1%).  
In total, 157 Mt were used for direct human consumption, a new record

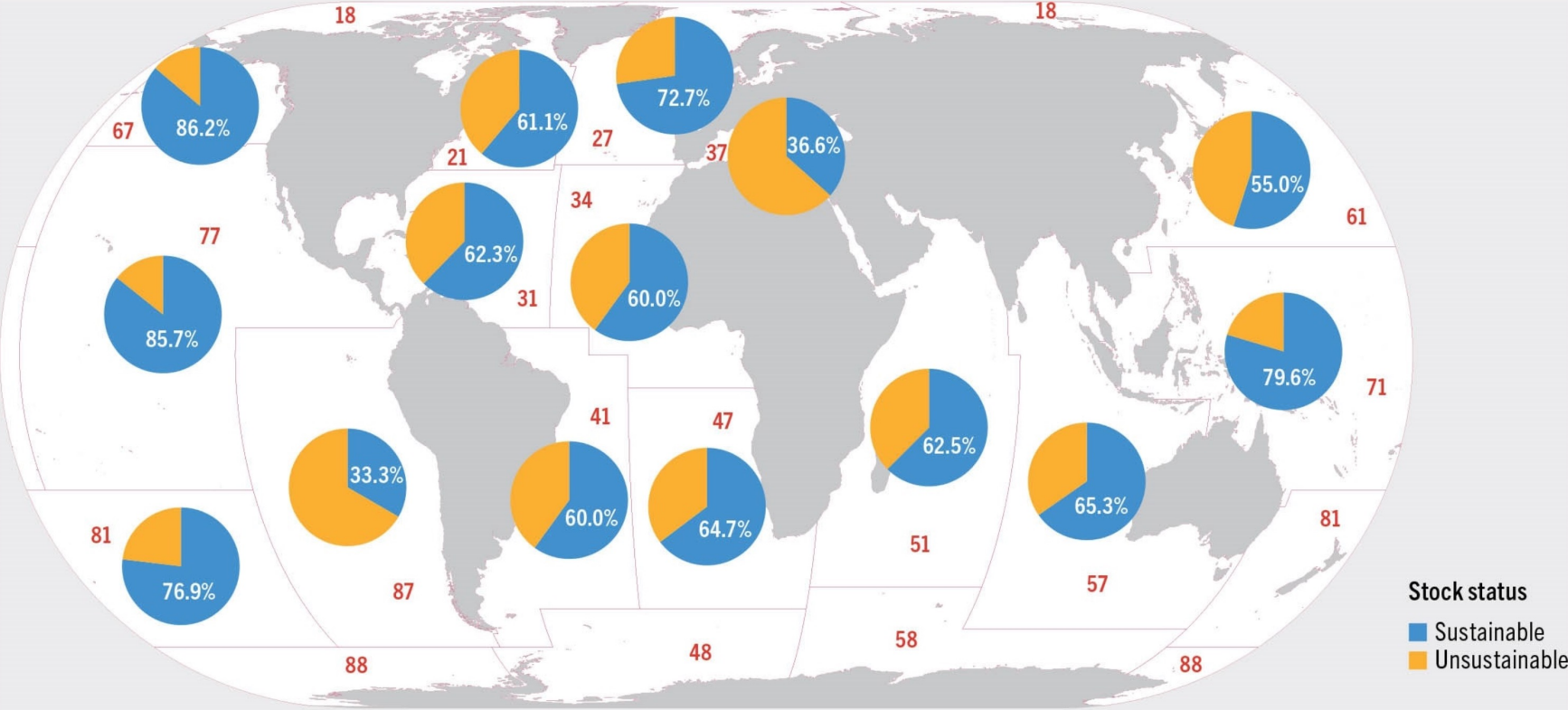
FIGURE 1 WORLD CAPTURE FISHERIES AND AQUACULTURE PRODUCTION



NOTES: Excluding aquatic mammals, crocodiles, alligators, caimans and algae. Data expressed in live weight equivalent.  
SOURCE: FAO.

# SOFIA 2022

**FIGURE 24** PERCENTAGES OF BIOLOGICALLY SUSTAINABLE AND UNSUSTAINABLE FISHERY STOCKS BY FAO MAJOR FISHING AREA, 2019



NOTE: The digital percentages represent the proportion of sustainable stocks.  
SOURCE: FAO.

# SOFIA 2022

## Blue Transformation

### Objectives

- Sustainable aquaculture intensification and expansion
  - Effective management of all fisheries: ecosystem-based fisheries management systems that restore ecosystems to a healthy, productive state, while rebuilding exploited resources
- Upgraded food chains: reduce loss and waste, enhance
- traceability and transparency, facilitate trade and improve access to lucrative markets

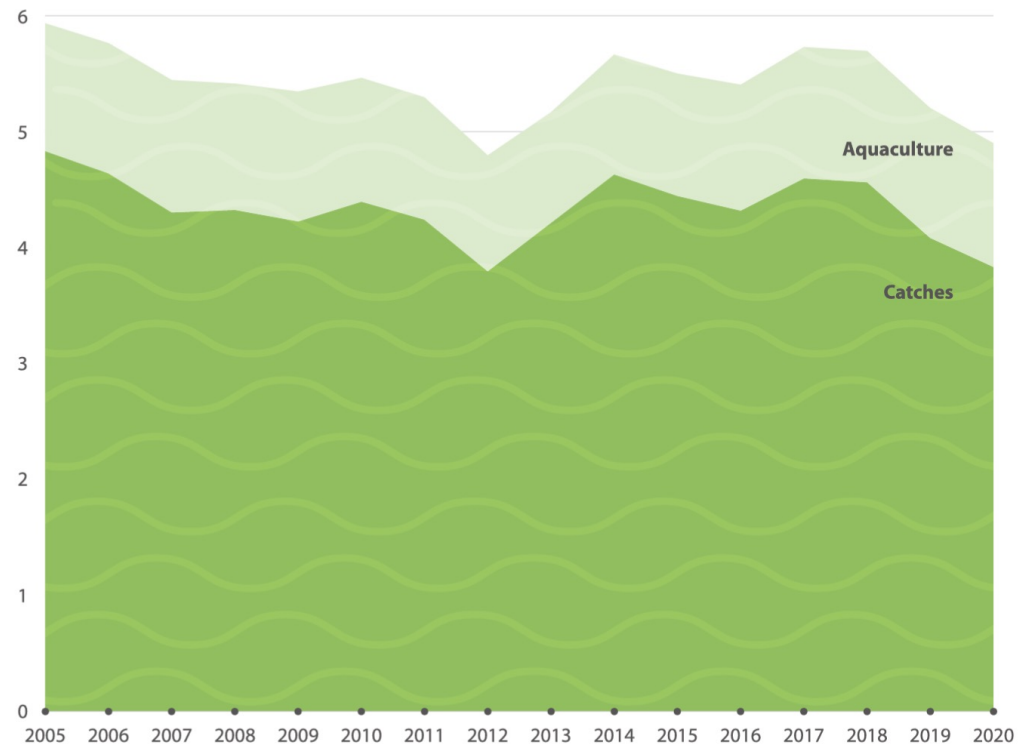
# European food chain 2022

Within the broader context of the **Farm to Fork Strategy**, the EC aims to bring fish stocks to sustainable levels by reducing wasteful discarding, enhancing traceability and strengthening fisheries management, among other relevant actions.

## 4 Fishing and aquaculture

### Key figures for the EU

Total production of fishery products  
(million tonnes, EU, 2005–2020)



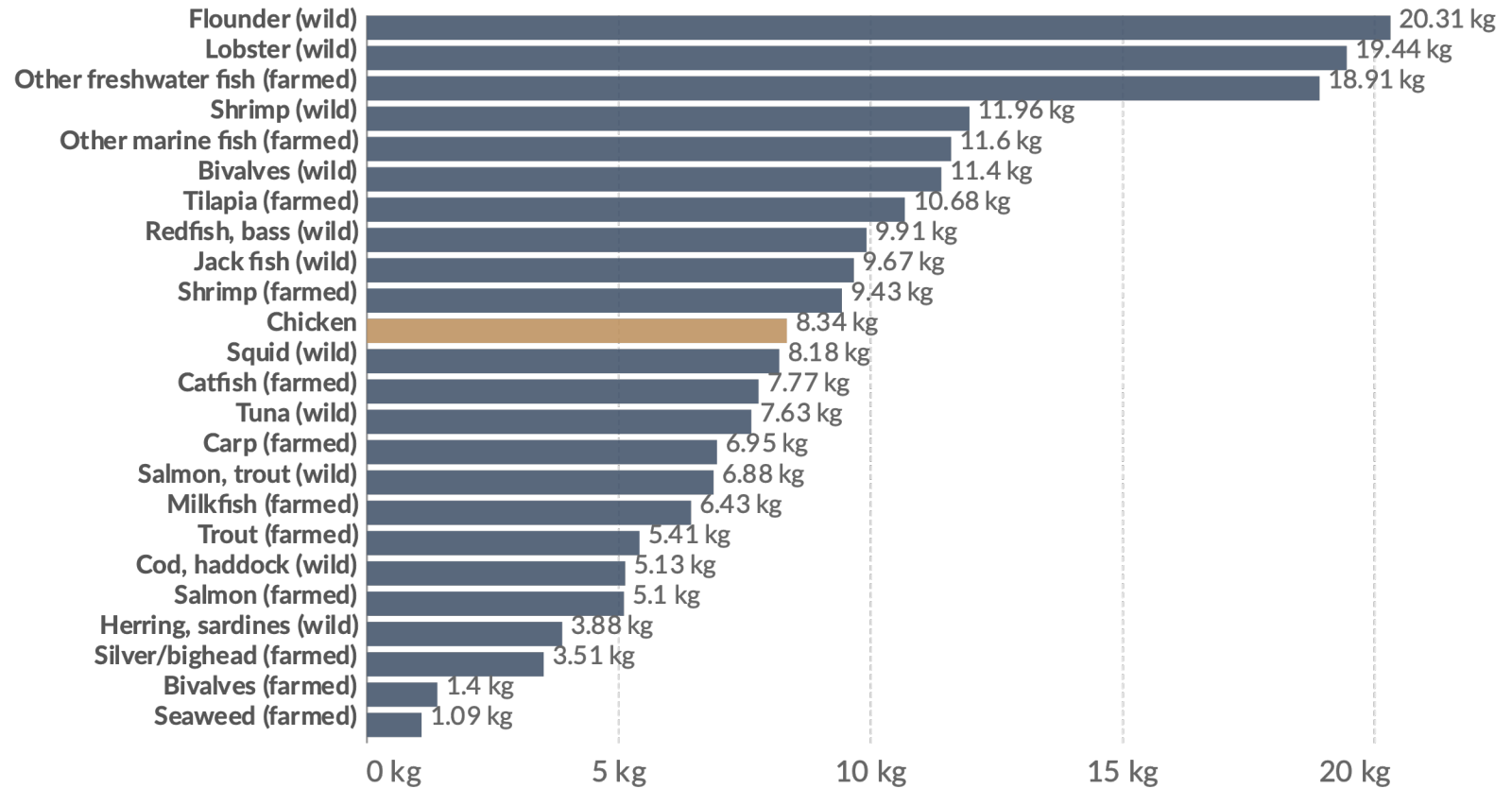


# Climate Change

## Greenhouse gas emissions per kilogram of seafood

Our World  
in Data

Based on a meta-analysis of data from 1690 fish farms and 1000 unique fishery records. Impacts are given per kilogram of edible weight.



Source: Gephart et al. (2021). Environmental performance of blue foods. Nature.

OurWorldInData.org/fish • CC BY

Note: Includes on-farm and off-farm, but does not include post-farmgate emissions. This means it does not include impacts such as transport to retail, packaging, processing or cooking.

# Ocean conservation bolsters fisheries

## New Study: Protecting Large Ocean Areas Doesn't Curb Fishing Catches

Five years after the creation of Mexico's Revillagigedo National Park, the largest fully protected marine area in North America, experts report no negative impacts on the Mexican fishing sector



*A school of Jacks in Revillagigedo National Park, south of Baja California, Mexico. Revillagigedo National Park is the largest fully-protected marine protected area in North America, and fishing is prohibited. Credit: Octavio Aburto/National Geographic Pristine Seas*



The urgent need of **innovative solutions** to the global societal challenges, set the baseline of five **European Union Missions**

# EU Missions

1

**Adaptation to Climate Change:** support at least 150 European regions and communities to become climate resilient by 2030

2

**Restore our Ocean and Waters** by 2030

3

**Climate-Neutral and Smart Cities** by 2030

4

**A Soil Deal for Europe:** 100 living labs and lighthouses to lead the transition towards healthy soils by 2030

5

**Cancer:** working with Europe's Beating Cancer Plan to improve the lives of more than 3 million people by 2030 through prevention, cure and solutions to live longer and better

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**Green Deal Missions**

**BLUEMISSION AA**

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# What is a Mission?



## MISSIONS

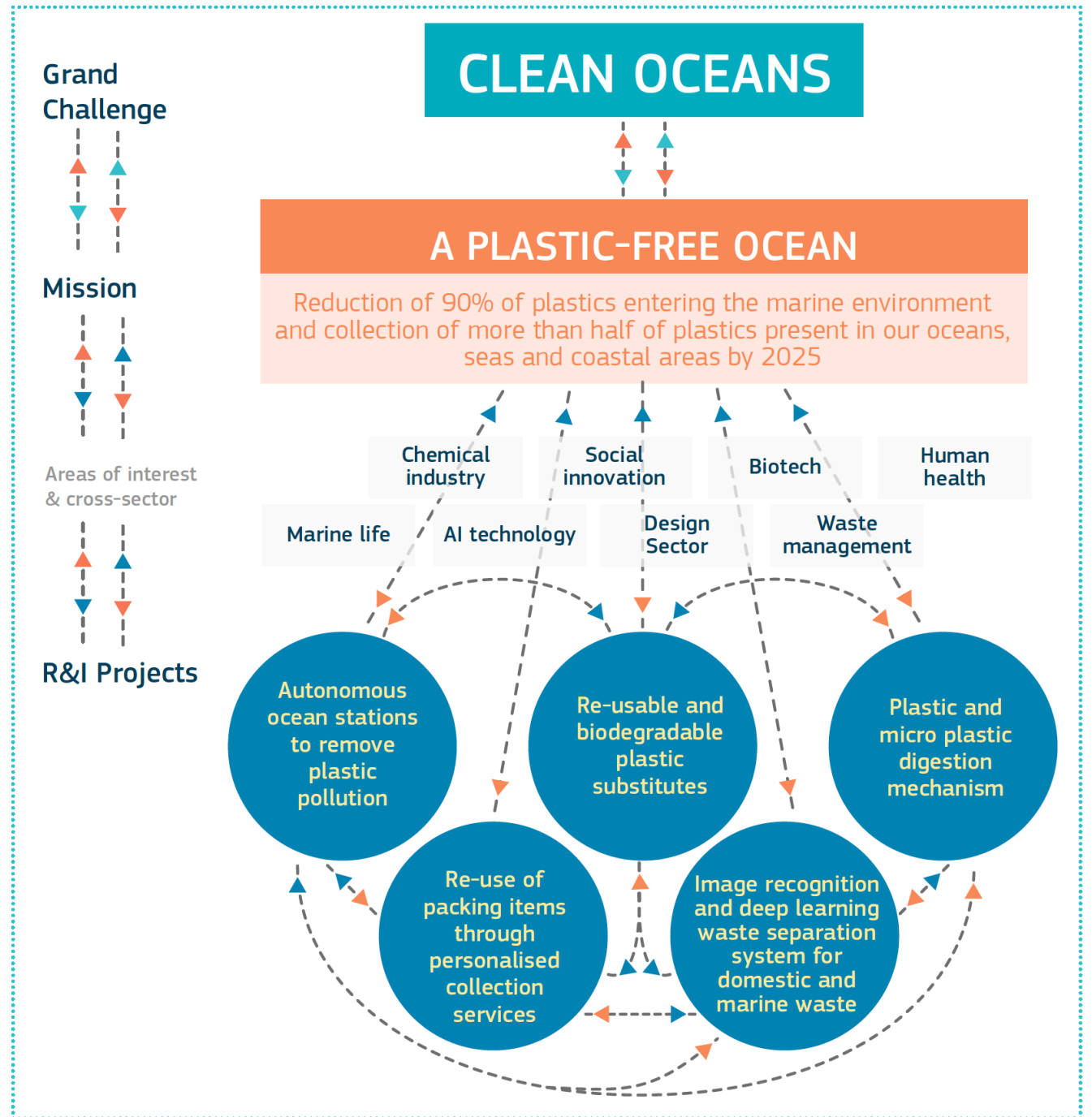
# Mission-Oriented Research & Innovation in the European Union

A problem-solving approach to fuel innovation-led growth

by Mariana MAZZUCATO



Research and Innovation





# EU MISSIONS

RESTORE OUR OCEAN & WATERS

BY 2030



# Implementation Plan

Has **three objectives** that are interlinked and mutually supportive:

- 1** **Protect and restore** marine and freshwater ecosystems and biodiversity
- 2** **Prevent and eliminate pollution** of our ocean, seas and waters
- 3** Make the **sustainable blue economy** carbon-neutral and circular



# Implementation in two phases

- 1 **Development and piloting phase**  
(2021-2025)
- 2 **Deployment and upscaling phase**  
(2026-2030)

# Enablers

To support all three objectives, the Mission will also put in place **two enablers**

1

**A digital Ocean and Waters Knowledge System**

A set of digital twins

2

**Public mobilization and engagement**

An inclusive participatory governance framework

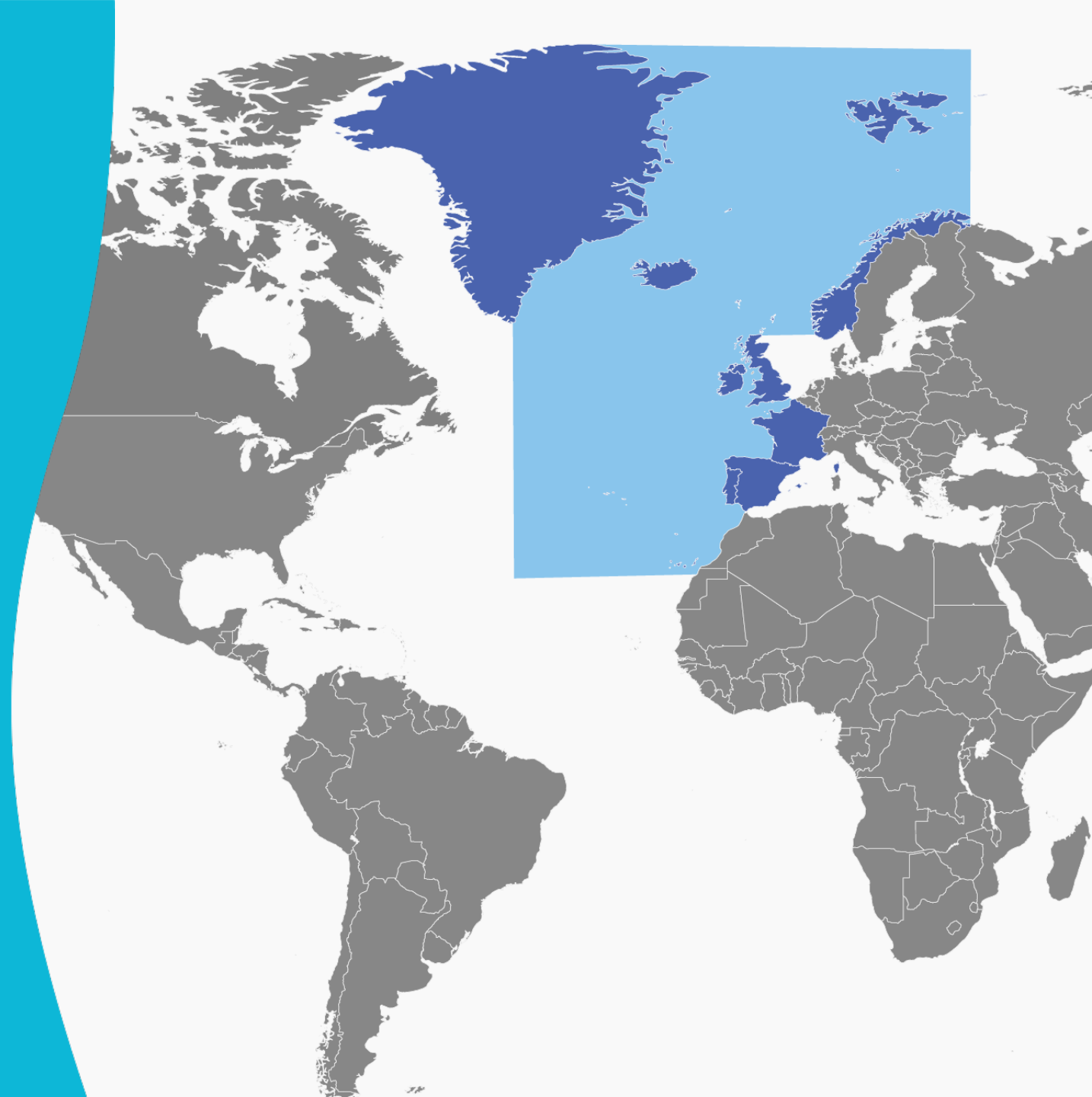
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# Four Lighthouses

Atlantic & Arctic  
Baltic & North Sea  
Mediterranean  
Danube



European Union Missions  
Restore our Ocean and Waters by 2030

## **Atlantic and Arctic coordination hub**

- Support the implementation of the EU Mission Restore our Ocean and Waters by 2030
- With focus on restoration of marine and coastal ecosystems and increased climate resilience

## **Will Integrate diverse expertise to coordinate and support the deployment of the Arctic and Arctic Lighthouse**

- Build upon existing networks, instruments, activities, and governance frameworks at basin level
- Providing innovative solutions allowing for a higher level of ambition in the future

# Objective

1

Protect and Restore Marine and freshwaters ecosystems and biodiversity

Aligned with EU policies and political commitments for basin-scale cooperation

## Specific targets

- **Protect** at least 30% and strictly protect 10% EU's sea areas;
- **Restore** 25.000km free flowing rivers
- **Contribute to the marine nature restoration targets**

## BlueMissionAA specific objectives

- Build and mobilise governance frameworks and networks through **multidisciplinary and multi-sectoral cooperation**
- Develop and deploy a comprehensive **monitoring and reporting framework**
- Develop and maintain a FAIR catalogue of existing **scientific and practical actionable knowledge** as well as **innovative solutions**
- Develop a dynamic **entrepreneurial innovation ecosystem** in the Atlantic and Arctic basin
- **Engage and empower citizens** to contribute to the Mission and boost society uptake of new solutions

# What can we do together?



## Some ideas to be discussed today

- Support your ecosystem-based approach to reduce anthropogenic pressures with concrete solutions
- Work together to preserve and restore marine and coastal ecosystems and biodiversity with the objective of recovering depleted fish stocks or maintaining sustainable exploitation of marine resources.
- Sharing our catalogue of existing scientific and practical actionable knowledge and tested solutions
- Support innovations to reduce loss and waste, diminish bycatch and entanglement, prevent habitat losses, and enhance traceability and transparency
- Support innovations to bring down GHG emissions, mitigate marine pollution and increase coastal resilience

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