



# *Sharing responsibility: A coherent approach to European ocean observation*

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# Green Deal: The way forward

## EU's answer to:

- Climate Change
- Biodiversity Loss
- Environmental degradation



## Crucial role of seas & oceans in the Green Deal:

- the ocean affects the climate
- alternative & more sustainable energy / food
- efficient and clean Blue Economy



**Marine Knowledge = Ocean Observation**

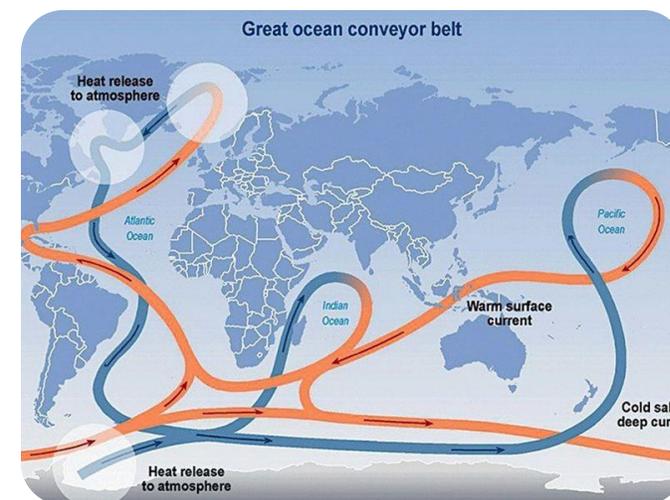
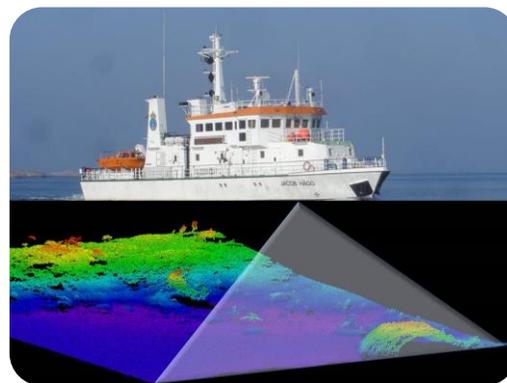
# Ocean Observation: importance & necessity



## Necessary for:

- Hydrographical information;
- Fisheries Management;
- Meteorology, including climate prediction;
- Local coastal & marine management;
- Research;
- Mapping of habitats; Species migration;
- Deep sea exploration;
- Marine Litter monitoring;
- Marine Spatial Planning;
- Ecosystem conservation and many other uses...

**What do we mean:** all surveys, monitoring campaigns or sampling programmes for measuring the state and dynamics of oceans and the marine organisms that inhabit them.



# Framing the problem

## *What are the problems:*

- inefficient and opaque planning;
- insufficient sharing;
- unclear priorities;
- unsustainable observation;
- lack of innovation;
- incompatible standards;
- unclear responsibility



## *As a result:*

- Increased costs;
- Lack of transparency;
- Multiple observations on the same issue / major gaps in other areas;
- Insufficient environment for innovation in observing technologies

## *Relevant for:*

- Public administration
- Research institutes
- Private sector
- Civil society (NGOs)



# Ocean Observation related challenges

*Precarious funding even for long-term observation needs*

*Absence of inter-disciplinarity, that would allow for development of common priorities in observation*

*Only a small percentage of organisations consults with others, when planning observations, due to:*

- *Lack of time*
- *Lack of resources*
- *Lack of incentive (extra effort)*
- *Lack of knowledge of other interested parties*
- *Consideration on losing control over the process*

*Absence of common methodologies and standards in monitoring*

*Absence structured observation sharing in MS level*

# Ocean Observation initiative by DG MARE



## ***What is the purpose:***

*An efficient and effective EU process for planning and implementing Ocean Observation*

*This will provide a sound basis for national and EU measures to mitigate and adapt to climate change, achieve the biodiversity conservation goals, strengthen the blue economy and support EU policies that rely on accurate information on **the state and dynamics of the ocean and the life it supports.***

## ***What we will aim for:***

*Transparency and collectiveness, first at the level of Member States, then at the EU level*

*Cross-sectoral planning that will allow collaborations, sharing of observation infrastructure, development of common standards, sharing of non-proprietary data.*



# How could ocean observation be improved?

*More coordination  
between national  
authorities*

*More  
standardisation of  
observation  
methods*

*More coordination  
in sea basin level*

*Sharing of assets  
between  
organisations  
(sensors, platforms,  
etc.)*

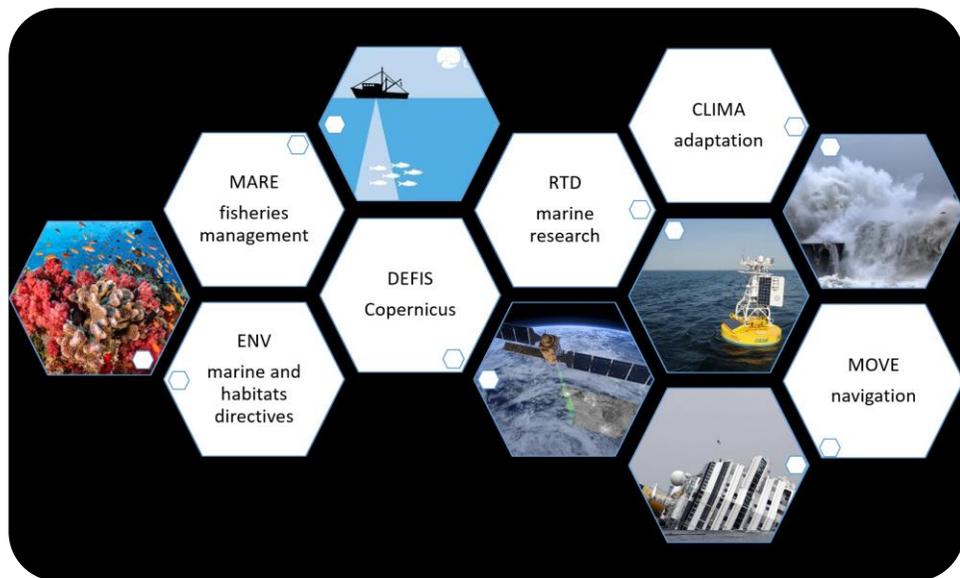
*Greater coherence  
between EU  
instruments*

*Introduction of new  
observing  
technologies*

*Bringing national  
priorities to the  
table at EU level*

*Other actions as  
strengthening citizen  
science, public-private  
partnerships &  
international fora*

# Moving forward



*Inter-service support on DG MARE efforts*

*120+ replies to the public consultation – The vast majority welcoming EC action to address the issue*

*Targeted consultations with:*

*EuroGOOS, European Marine Board, G7 Marine Science Coordinator, UNESCO IOC (UN Decade for Sustainable Ocean Science), EEA*

*With your support we will move forward in a structured manner*

# Thank you



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