

# OPPORTUNITIES FROM THE EUROPEAN GREEN DEAL

## Ocean Technologies

Wednesday 20 October



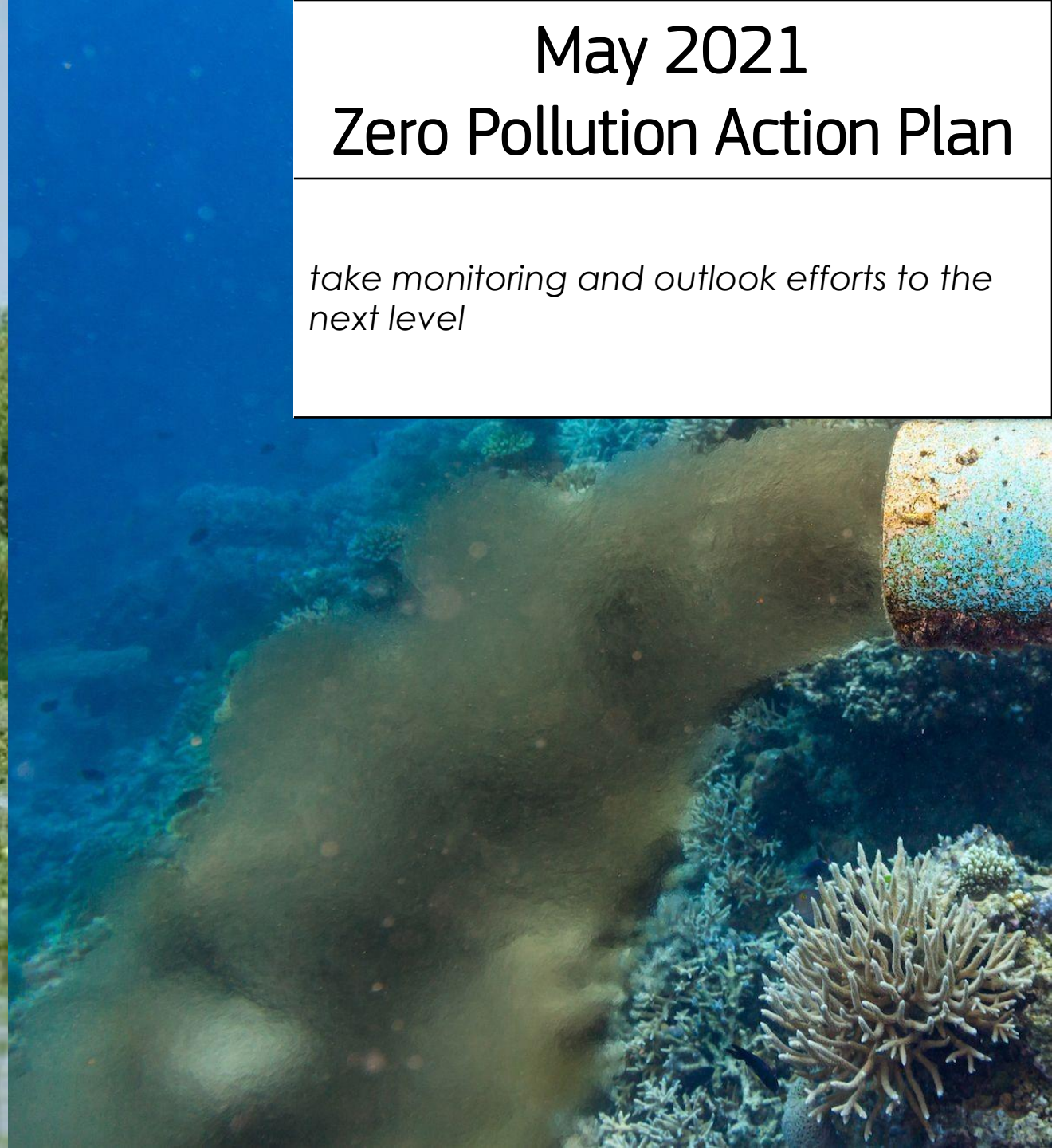
# May 2020 Biodiversity Action Plan

*effectively manage all protected areas, defining clear conservation objectives and measures, and monitoring them appropriately*



# May 2021 Zero Pollution Action Plan

*take monitoring and outlook efforts to the next level*



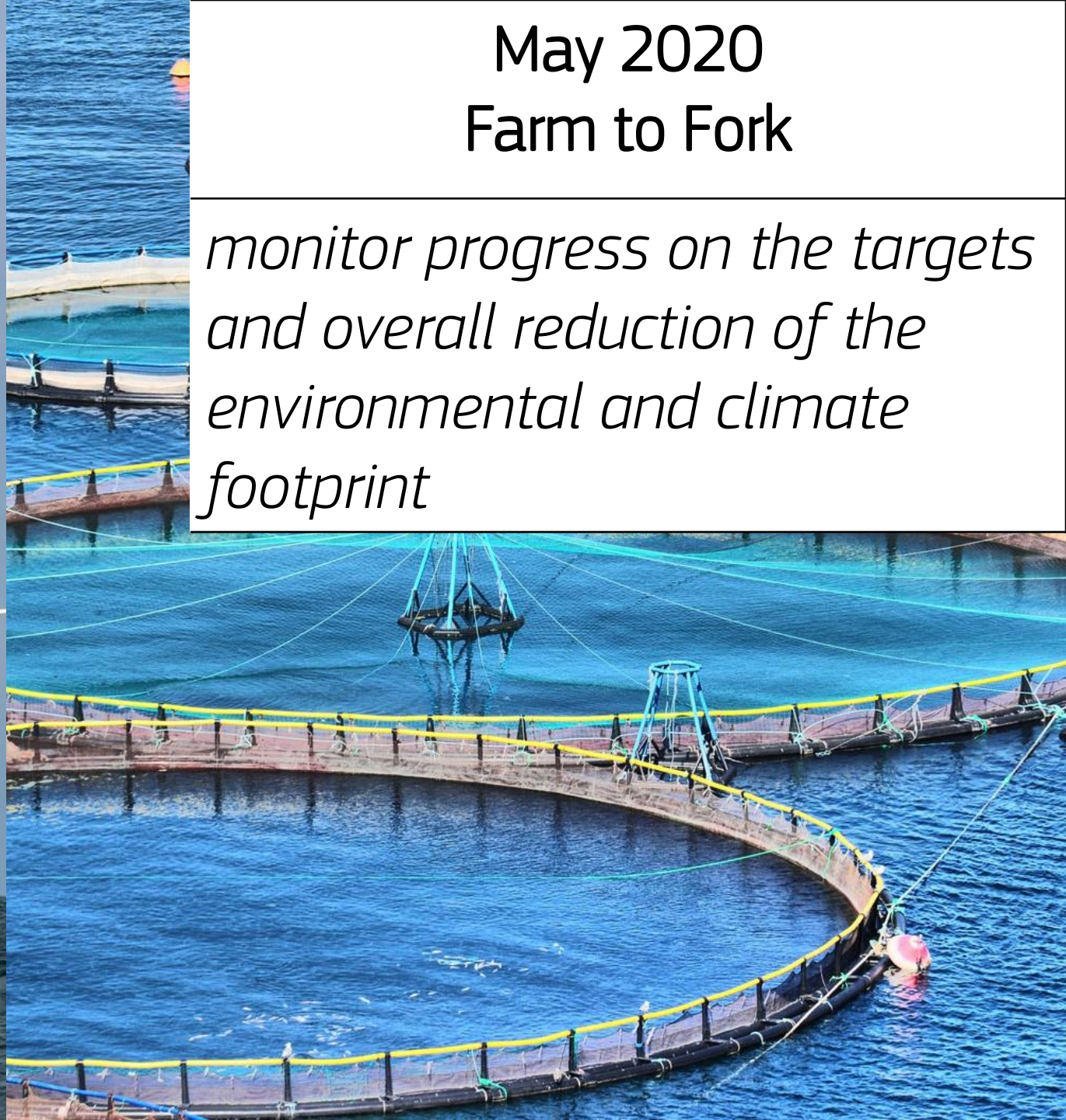
# November 2020 Offshore Energy Strategy

*quarter of EU's electricity  
by 2050*



# May 2020 Farm to Fork

*monitor progress on the targets  
and overall reduction of the  
environmental and climate  
footprint*



# March 2020 Circular Economy Action Plan

*harmonised data on microplastics  
concentrations in seawater*



# February 2021 EU Strategy on Adaptation to Climate Change

*Ocean measurements and observation  
will be also be further strengthened*



# Ocean Observing Value Chain

## End Users

End users use value-added products to make critical safety & economic decisions, inform day-to-day activities, plan for the future, and make the most of time spent in and around the ocean, coasts, and Great Lakes.



## Observations & Measurements

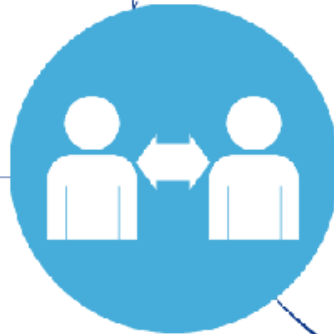
Ocean, coastal, and Great Lakes data and information are gathered every day using a host of technologies in the water, in the air, and in orbit.



## Ocean Enterprise Value Chain

## Intermediaries

Public and private intermediary businesses and organizations use data and information to create value-added information products.



## Data Synthesis & Modeling

Observations and measurements are collected and integrated into data portals and models.



Source: Ralph Rayner et al.  
The Ocean Enterprise

# Ocean Enterprise Study Results

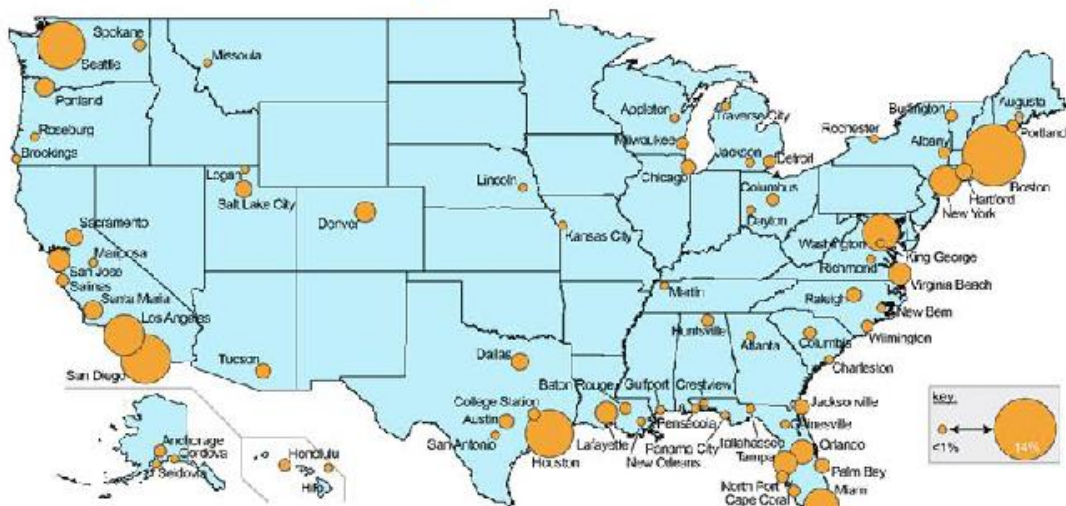
## 2015

**410**  
companies

**36**  
states

**245,000**  
employees

**\$7.0B**  
annual revenue



Exports approximately \$ 1B

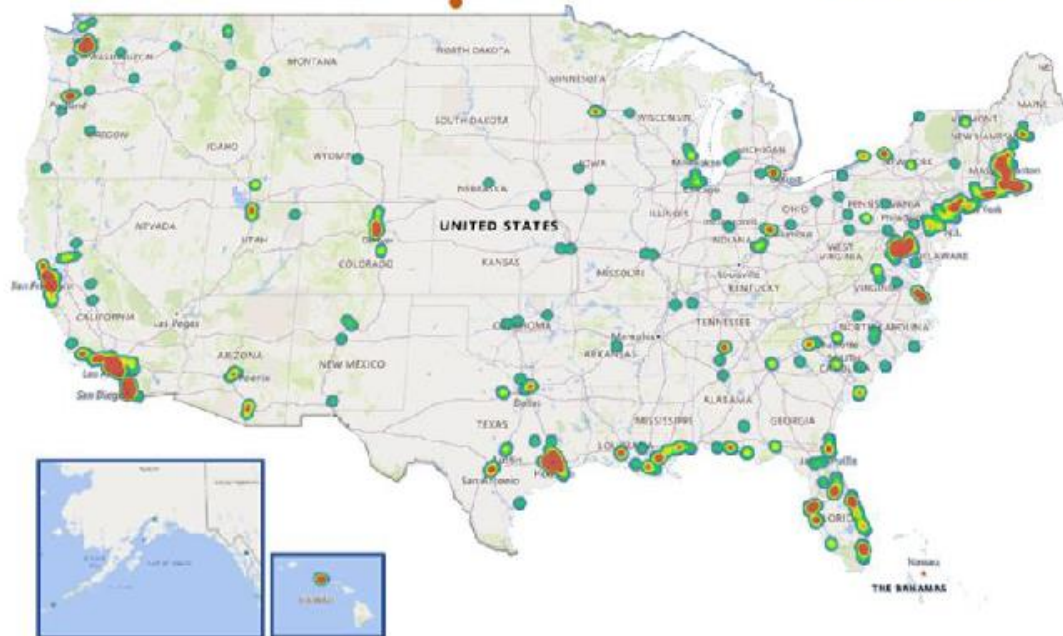
## 2020

**891**  
Companies

**45**  
States

**292,209**  
Employees

**\$8.0B**  
annual revenue



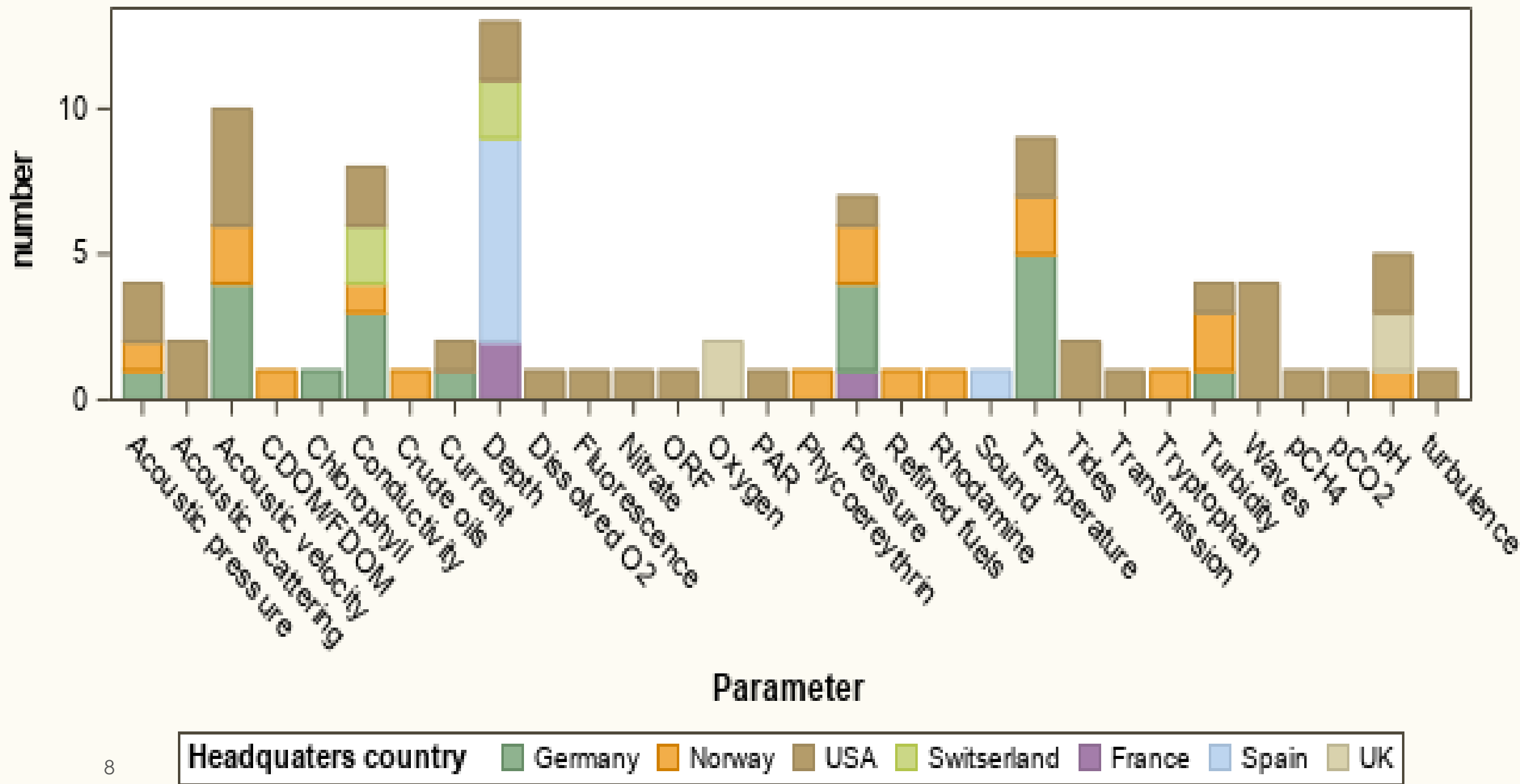
Exports approximately \$ 2 B

# Public spending by European Union countries (2018)



<b>equipment for ocean observation</b>	<b>cost</b>	<b>proportion on ships</b>
Investment	€8 billion	99%
annual operation (excluding labour)	€800,000	85%

# individual replies





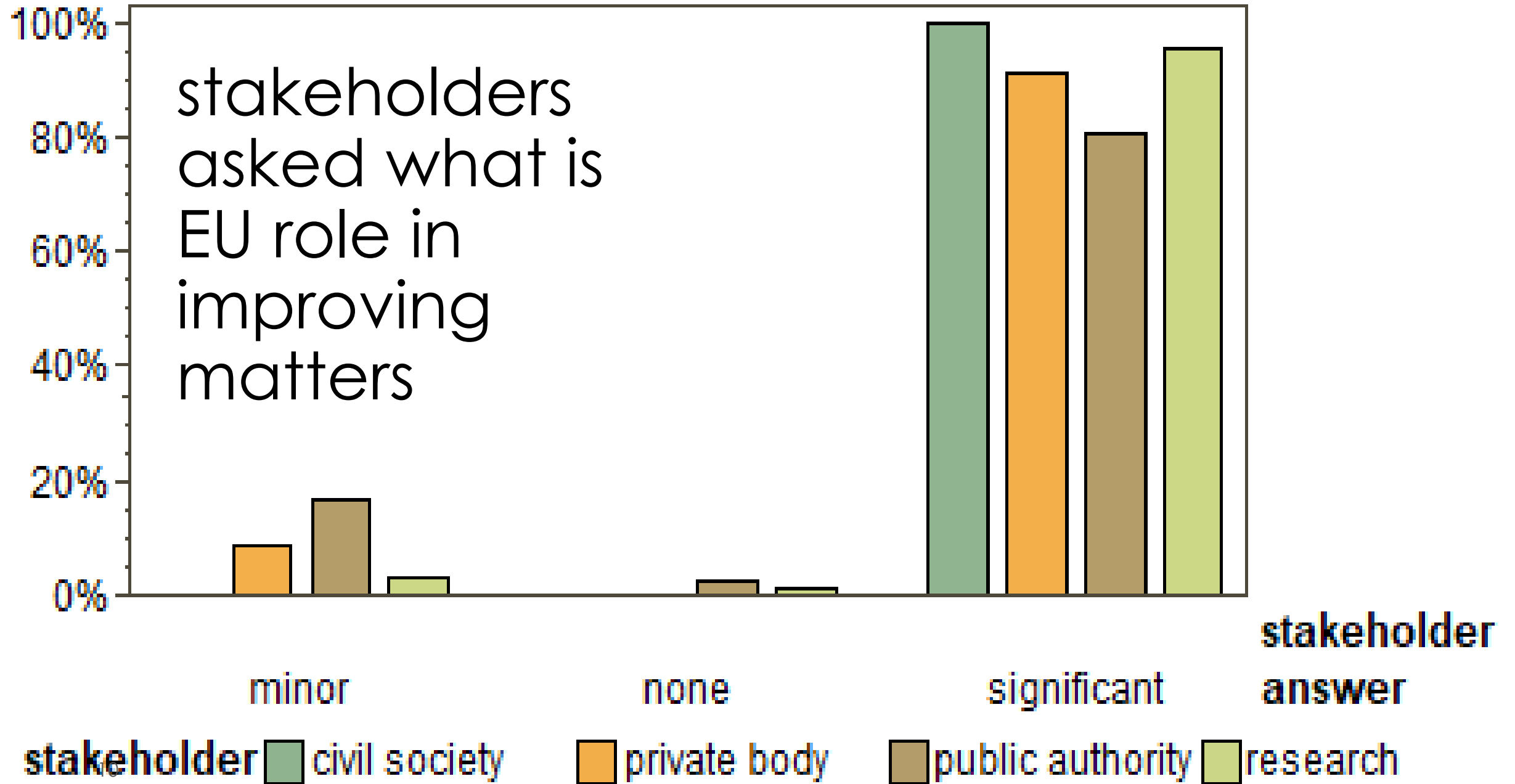
# EU Ocean Observation Initiative

a common EU approach for measuring once and using the data for many purposes:

- joint planning of observation activities
- a framework for collaboration on a national and EU scale.



# proportion of replies





Open  
consultation

complete



Presentation to  
Regulatory  
Scrutiny Board

December 2021



Proposal to  
Council and  
Parliament

Q2 2022

# Next Steps

