



# Sustainable Blue Economy and Marine Litter

## Where we stand

Alena Petrikovicova

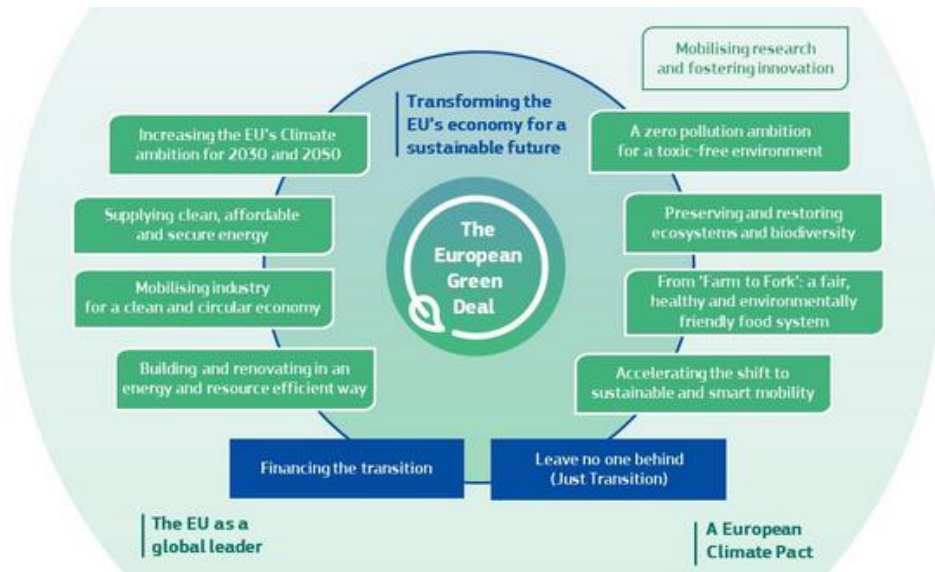
*DG MARE A1*

*Maritime innovation, marine knowledge  
and investments*

# Overview

- From Blue Growth to Sustainable Blue Economy
- Marine litter > The Single-Use Plastic and Port Reception Facilities Directives
- Ocean knowledge
- Funding

# From Blue Growth to Sustainable Blue Economy



# The new Circular economy action plan (2020)

Main measures include:

1. 'sustainable products' policy
2. prioritise reducing and reusing materials before recycling them.
3. foster new business models and set minimum requirements to prevent environmentally harmful products from being placed on the EU market.
4. strengthen the Extended producer responsibility schemes.



# Single-Use Plastic Directive (EU 2019/904)

- Main measures include:
  - Consumption reduction
  - Restrictions on placing on the market
  - Product requirements
  - Marking requirements
  - Extended producer responsibility
  - Separate collection (including fishing gear)
  - Awareness raising measures
  - Information systems and reporting



# Single-Use Plastic Directive (EU 2019/904)

## Provisions on fishing gear

- (1) Member States to establish Extended producer responsibility schemes for fishing gear - **31/12/2024**
  - Financial contribution by producers to separate collection, transport, treatment and awareness raising costs
- (2) Member States to set up national collection targets for fishing gear - **31/12/2024**
- (3) Member States to report to the COM on the amounts of fishing gear placed on the market and waste fishing gear collected - **1st reporting period is calendar year 2022**
- (4) Development of the **standard for a circular design** of fishing gear

# Port Reception Facilities Directive (2019/883)

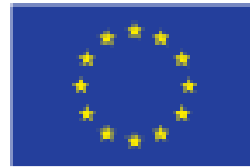
- Provision to set up adequate port reception facilities
- Delivery of waste from *all* ships
- 100% indirect fee
- Separate collection of waste (including passively fished waste and derelict fishing gear)



# Ocean Knowledge



**EMODnet**



Yet to come

- Digital Twin of the Oceans

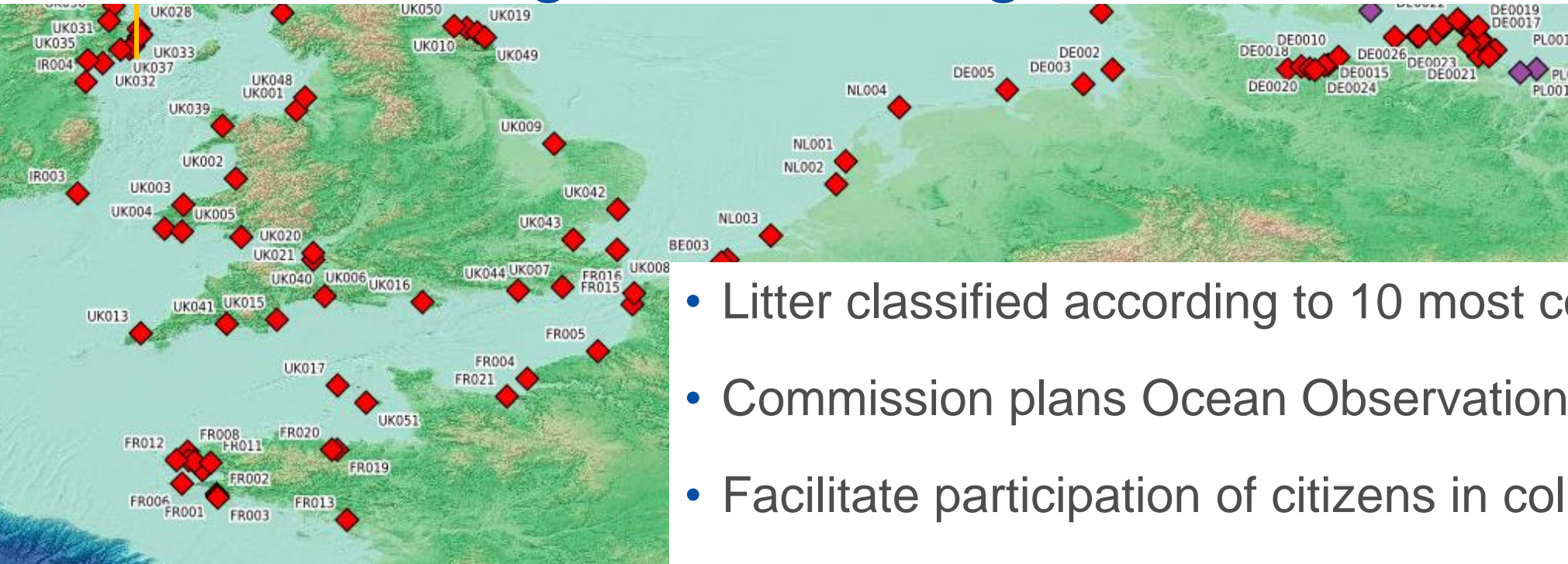




# Ocean knowledge - Monitoring of beach litter



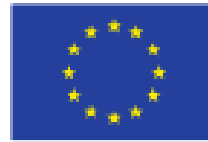
**EMODnet**  
European Marine  
Observation and  
Data Network



- Litter classified according to 10 most common items
- Commission plans Ocean Observation Initiative
- Facilitate participation of citizens in collecting data



# Ocean knowledge - Detecting plastic pollution



From plastic to  
marine pollution



Sources of plastic  
pollution



Detecting plastic  
pollution



Impacts of plastic  
pollution



Policies to fight  
plastic pollution



Initiatives to fight  
plastic pollution

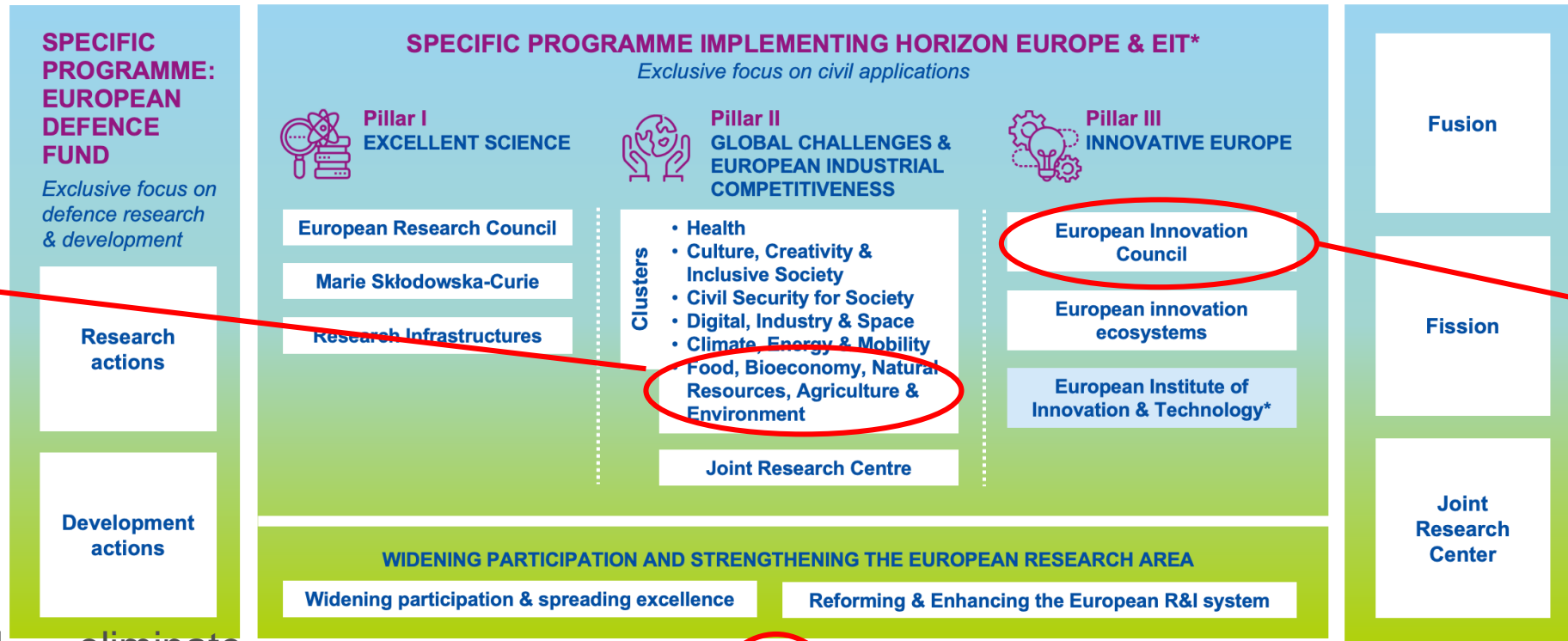
- Numerical modelling
- In situ monitoring
- Satellite monitoring

# Ocean knowledge - Applications

- [FML-TRACK](#): Floating Marine Litter Tracking in Coastal Areas
- [LITTER-TEP](#): Marine Macro Litter Drift Forecast Early Warning & Monitoring
- [WISE-Marine](#): Maps and dashboards presenting the data collected as part of the Marine Strategy Framework Directive
- [Destination Earth](#): High precision digital model of the Earth
- [The Marine LitterWatch mobile app](#): Report sightings of marine litter on beaches

# Funding Research and Innovation - Horizon Europe

Circular Systems



Breakthrough innovation with scale-up potential at the global level

Prevent and eliminate pollution by reducing plastic litter at sea

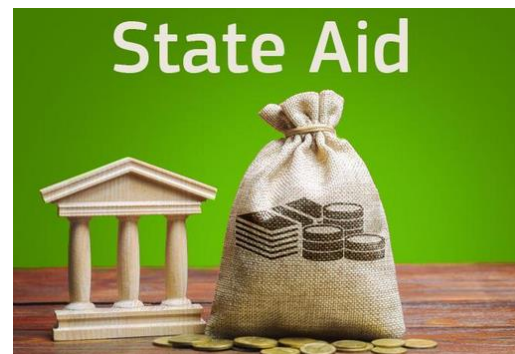
Make the blue economy climate-neutral and circular with net-zero maritime emissions



Five Mission Areas

# Public Funding

- InvestEU
- European Maritime, Fisheries and Aquaculture Fund (EMFAF)
- BlueInvest
- State Aid - environmental protection and energy



# Funding – Investments – Private capital

- Sustainable Blue Economy Finance Principles



- EU taxonomy - define sustainable maritime economic activities

# Thank you



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