



# Blue growth

**Beate Gminder**

**European Commission – DG MARE**

**YEARS OF Intensive Use**

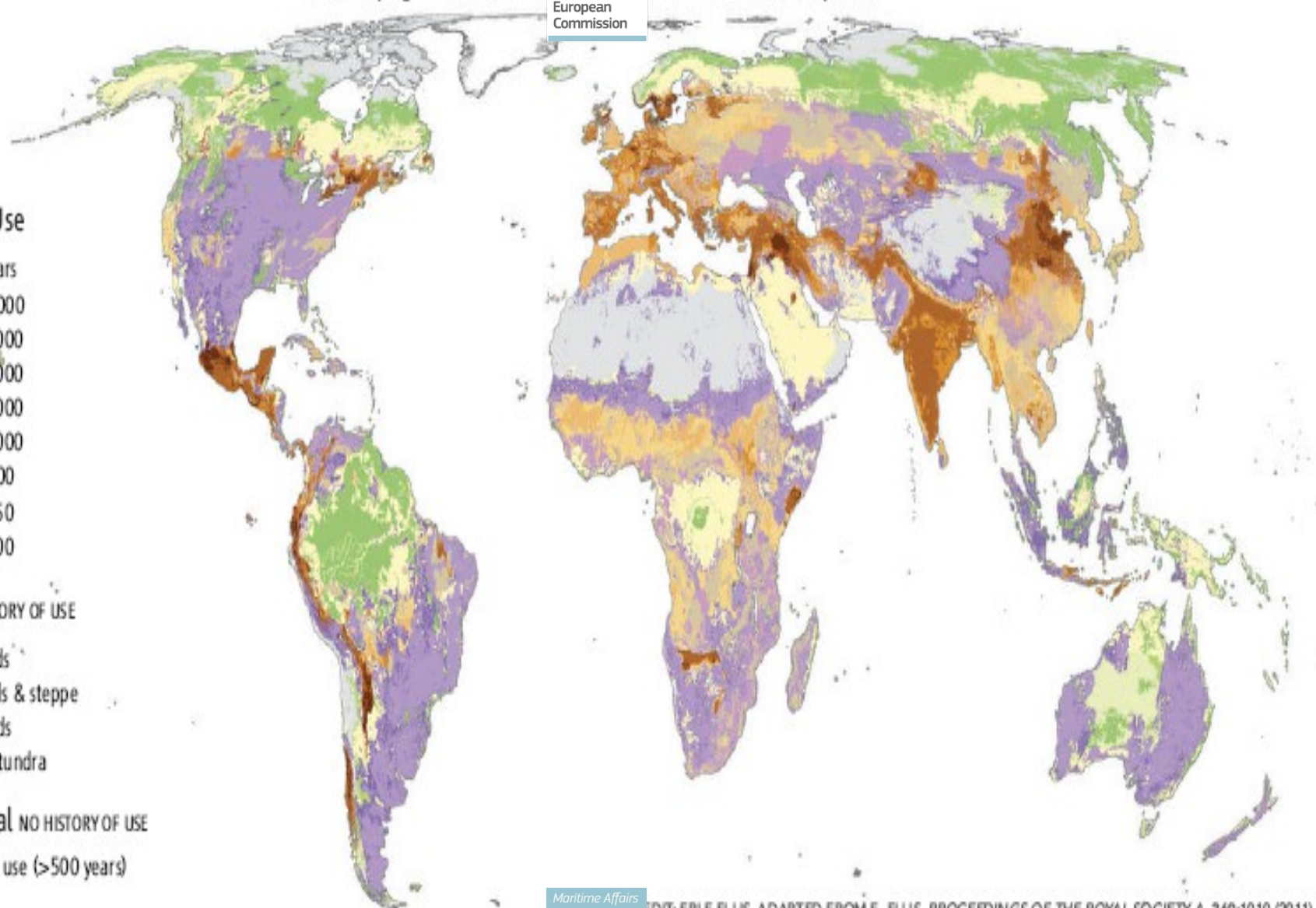
- >8000 years
- 5000–8000
- 3000–5000
- 2000–3000
- 1000–2000
- 500–1000
- 250–500
- 100–250
- < 100

**Wild NO HISTORY OF USE**

- Woodlands
- Grasslands & steppe
- Shrublands
- Desert & tundra

**Seminatural NO HISTORY OF USE**

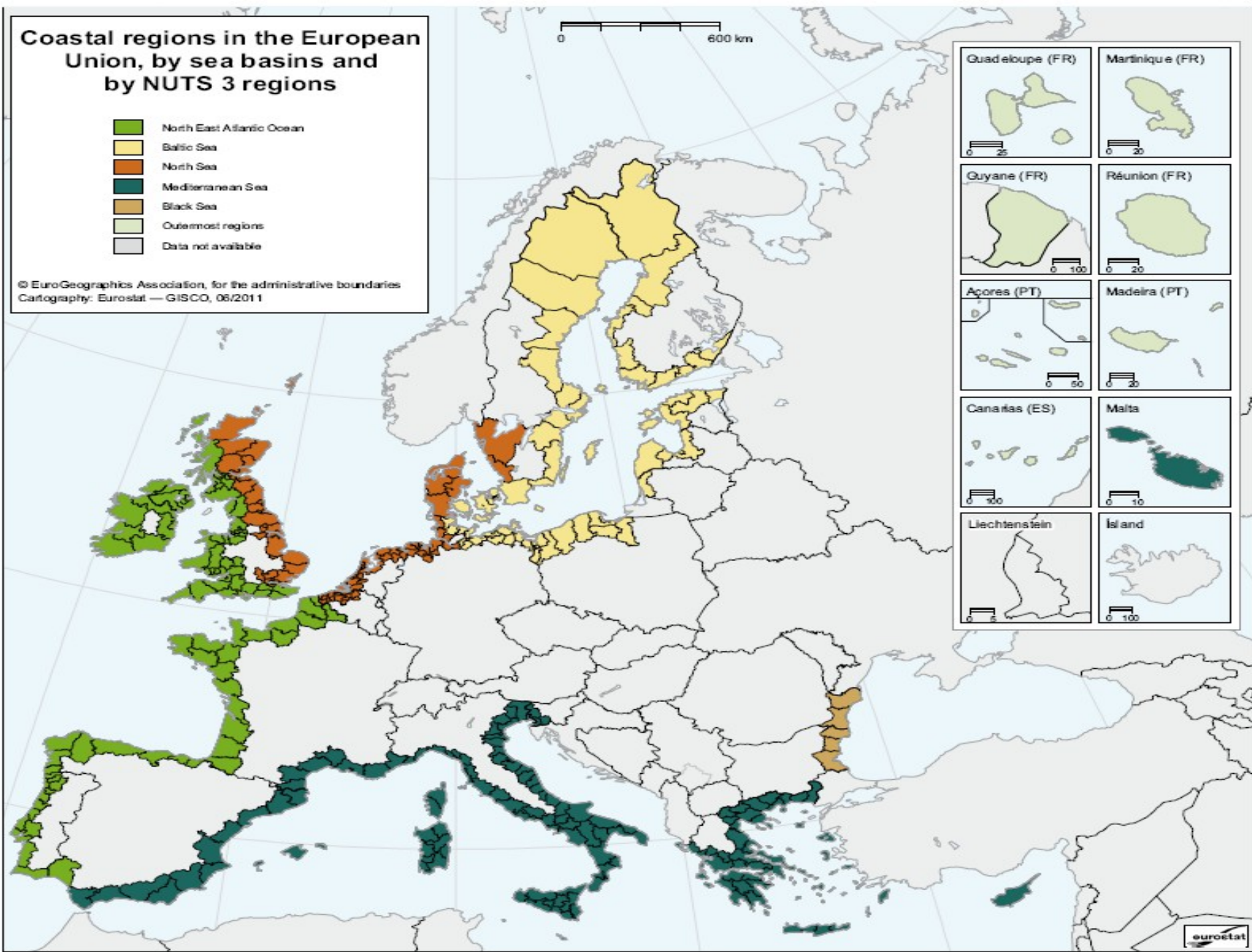
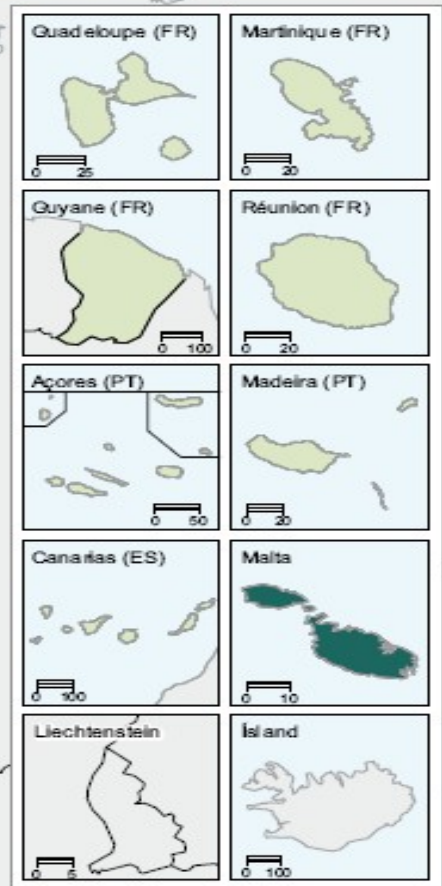
- Moderate use (>500 years)



# Coastal regions in the European Union, by sea basins and by NUTS 3 regions

- North East Atlantic Ocean
- Baltic Sea
- North Sea
- Mediterranean Sea
- Black Sea
- Outermost regions
- Data not available

© EuroGeographics Association, for the administrative boundaries  
 Cartography: Eurostat — GISCO, 06/2011



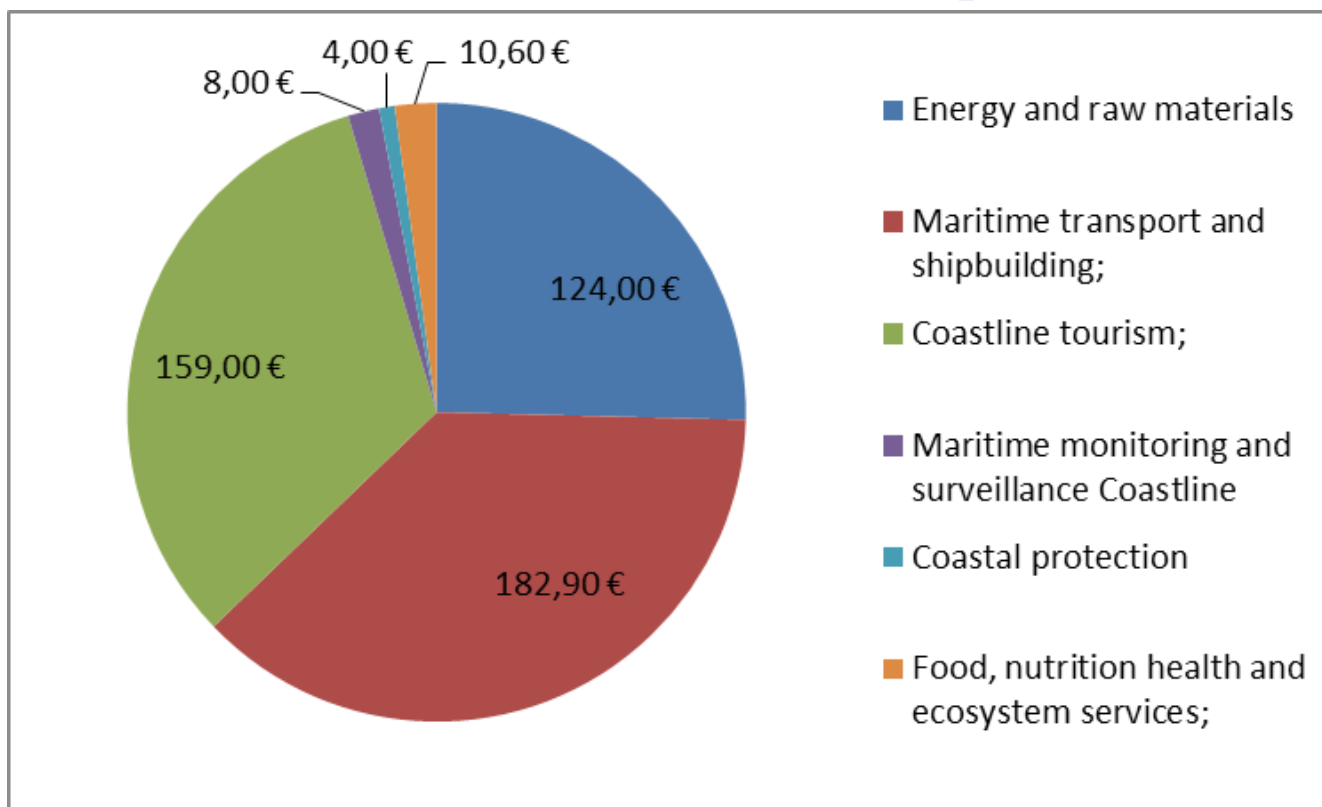


- Technology from oil and gas
  - **Underwater robotics**
  - **Operate safely in deep water**
- Running out of land and fresh-water
- Need to reduce CO<sub>2</sub>

# The blue economy (EU)

<b>Value chain</b>	<b>jobs</b>	<b>value chain</b>	<b>jobs</b>
<b>marine mineral mining</b>	<b>500</b>	<b>offshore oil and gas</b>	<b>38,000</b>
<b>blue biotechnology</b>	<b>500</b>	<b>marine aquatic products</b>	<b>80,000</b>
<b>ocean renewable energies</b>	<b>1,000</b>	<b>cruise tourism</b>	<b>143,000</b>
<b>aggregates mining</b>	<b>4,300</b>	<b>fisheries</b>	<b>226,000</b>
<b>desalination</b>	<b>7,000</b>	<b>passenger ferry services</b>	<b>250,000</b>
<b>monitoring and surveillance</b>	<b>18,750</b>	<b>yachting and marinas</b>	<b>253,000</b>
<b>coastal protection</b>	<b>31,000</b>	<b>short-sea shipping</b>	<b>707,000</b>
<b>offshore wind</b>	<b>35,000</b>	<b>deep-sea shipping</b>	<b>1,204,000</b>
<b>inland waterway transport</b>	<b>36,000</b>	<b>coastal tourism</b>	<b>2,350,000</b>
		<b>total</b>	<b>5,385,050</b>

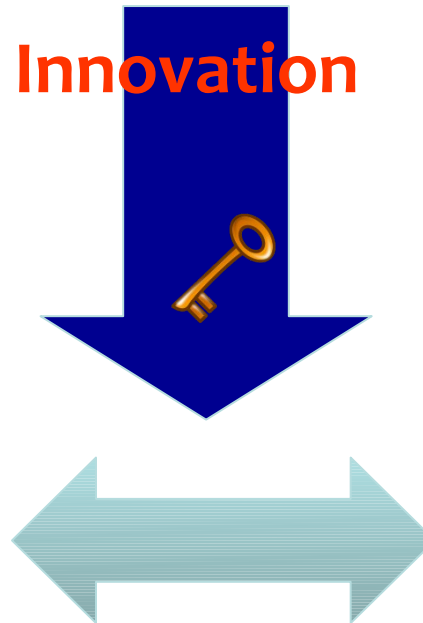
# Current GVA of maritime economic activities in the EU (billion €)





# Blue Growth

Sustainability



Economic  
Growth

+

Employment



# Integrated Maritime Policy

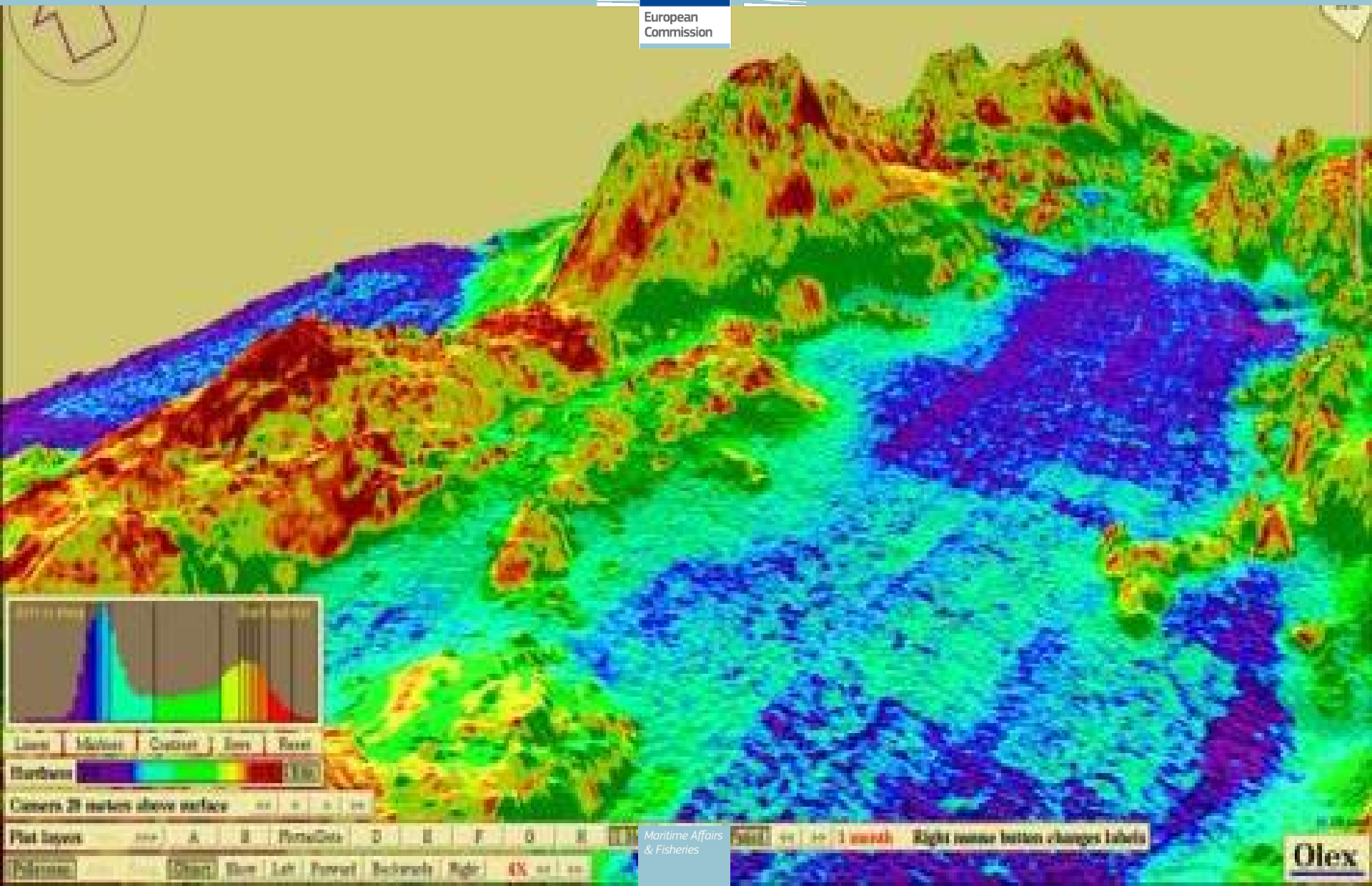
1. *maritime policy instruments*
2. *sea basin strategies*
3. *targeted efforts*



# 1. maritime policy instruments

- *knowledge and data*
- *spatial planning*
- *surveillance*

# marine knowledge



Maritime Affairs & Fisheries



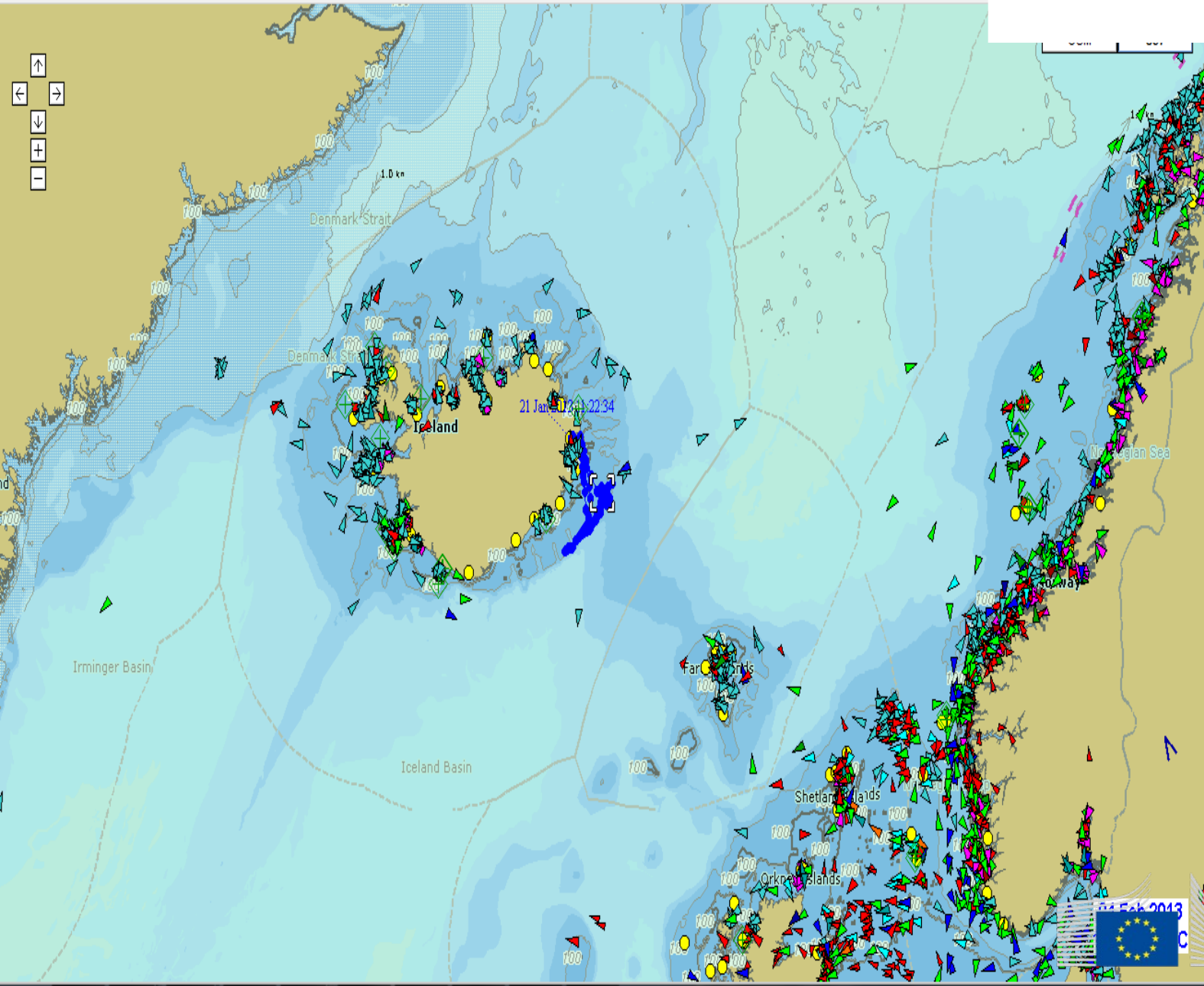


# spatial planning



- how much space for marine protected areas, aquaculture, renewable energy etc?





Target Info [Download vessel track](#)

Name	Value
MMSI	251049110
AIS Unit	Class A
Name	GULLVER
Callsign	TFPG
Latitude	64°32'33.720"N
Longitude	012°30'03.240"W
IMO	8211851
Source Type	AIS-S
Ship Type	Fishing
Cargo	Undefined
Country	Iceland
SOG	3.9 kn
Draught	12.9 m
COG	201.1 °
Heading	195 °
ROT	0.0 °/min
Width	10 m
Length	50 m
Destination	SEYDISFJORDUR
Nav. Status	Fishing
ETA	10:02:00 04 Feb 2013
Pos. Accuracy	Low

Find Target

Attribute:  
Name   
Search string:

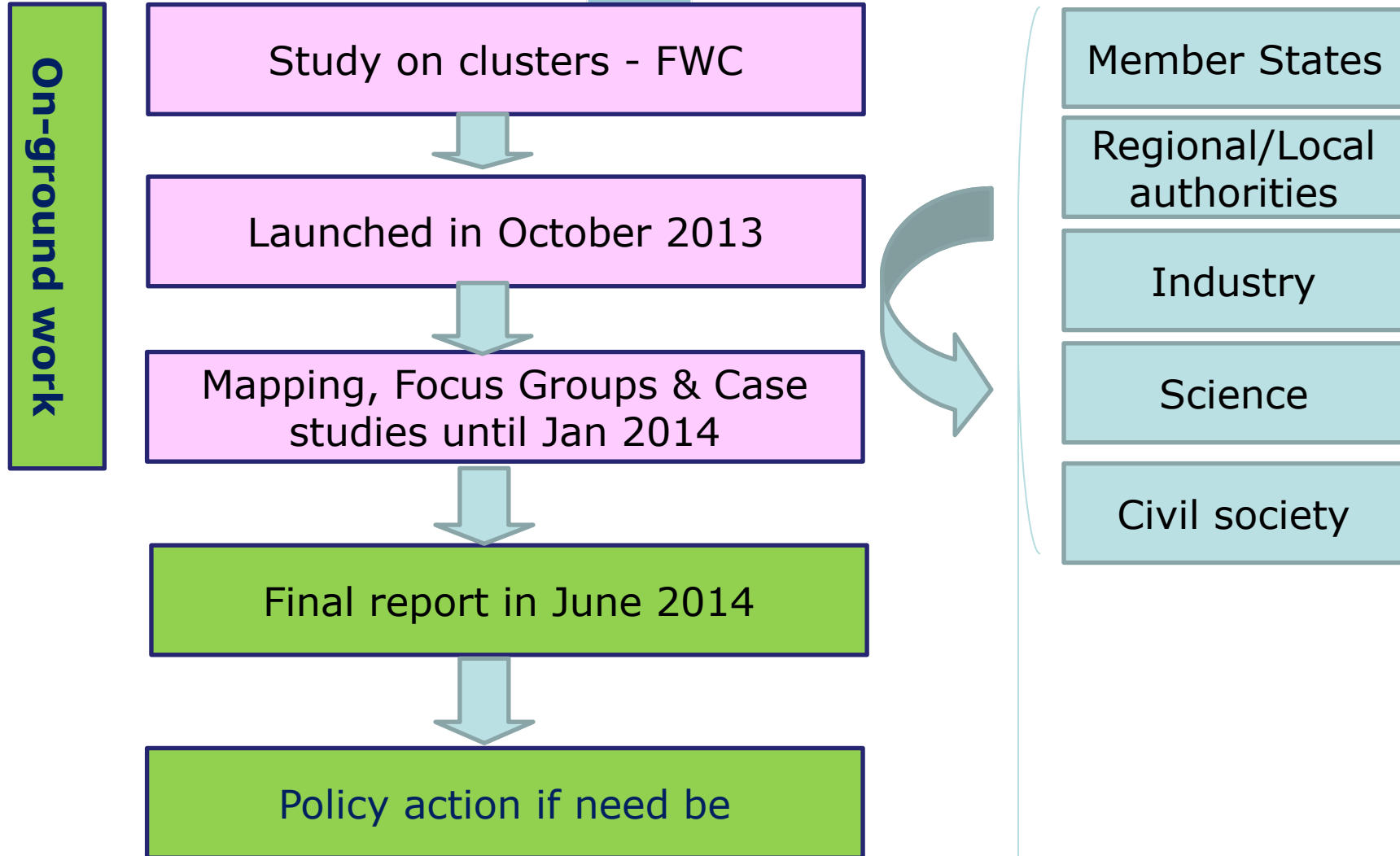
## 2. sea-basin strategies

- *Maximise the benefit of*
  - **EU Regional funding**
  - **EU Research funding**
  - **Private funding**

## 3. Targeted efforts

- *blue energy*
- *aquaculture*
- *coastal tourism*
- *seabed resources*
- *marine biotechnology*

# Clusters





# Where is Bulgaria ? (COGEA\*)

## Ranking order of the 7 largest maritime economic activities in Bulgaria

Rank	Functions / sub-function	GVA (billions EUR)	Employment (*1000)	Score
1.	<b>Coastal tourism</b>	<b>0,7694</b>	<b>127,519</b>	<b>71,45</b>
2.	<b>Fishing for human consumption</b>	<b>0,0653</b>	<b>14,660</b>	<b>7,98</b>
3.	<b>Short-sea shipping (incl. Ro-Ro)</b>	<b>0,0832</b>	<b>6,917</b>	<b>4,29</b>
4.	<b>Shipbuilding and ship repair</b>	<b>0,0647</b>	<b>5,983</b>	<b>3,64</b>
5.	<b>Water projects</b>	<b>0,0601</b>	<b>3,627</b>	<b>2,41</b>
6.	<b>Inland waterway transport</b>	<b>0,078</b>	<b>2,618</b>	<b>2,09</b>
7.	<b>Cruise tourism</b>	<b>0,002</b>	<b>2,500</b>	<b>1,27</b>

# Where is Bulgaria ? (COGEA)

## Ranking order of the 7 with most future potential maritime economic activities in Bulgaria

Rank	Functions / sub-function	Score
1	Offshore oil and gas	++++++
2	Coastal tourism	+++++
3	Fishing for human consumption	+++++
4	Short sea shipping	++++
5	Inland waterway transport	++++
6	Water projects	++++
7	Shipbuilding and ship repair	+++

# Where is Bulgaria ? (COGEEA)

## 6 most relevant and most promising marine and maritime economic activities

**6 most relevant and promising sub-functions**

**Coastal tourism**

**Offshore oil and gas**

**Fishing for human consumption**

**Short-sea shipping**

**Inland waterway transport**

**Water projects**



**COGEA Final report – May 2014**

**Clusters study Final report  
June 2014**

**BG Partnership agreement – end of 2014**

**New Financial framework – May 2014**



## **Way ahead !**

- *Member States' Partnership Agreements*
- *Black Sea Stakeholders Conference in Bucharest, 05/12/13*

# Questions ?

