



The role of Marine Biotechnology in the EC Blue Growth Strategy and the Integrated Maritime Policy (IMP)

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Content

- **IMP in the EU**
- **Blue Growth Strategy**
- **Blue Biotechnology scenarios**



The origins of the IMP

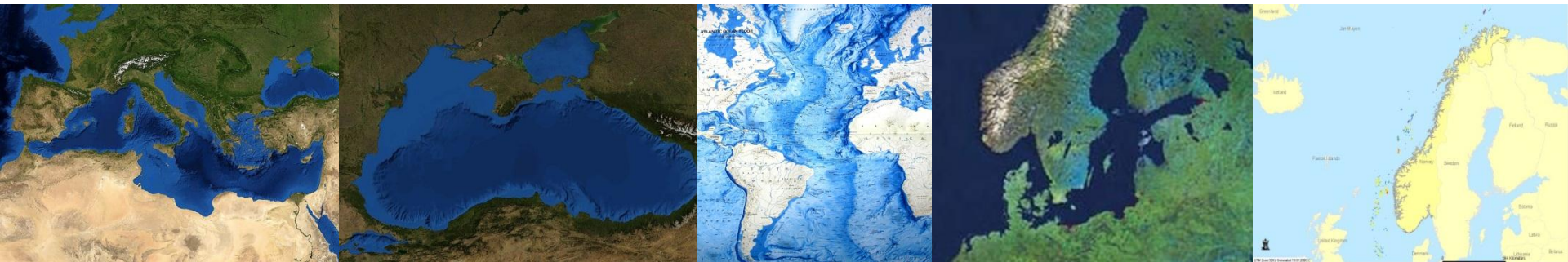
The European Commission's strategic objectives 2005-2009:

The Commission sees “the particular need for an all-embracing maritime policy aimed at developing a thriving maritime economy, in an environmentally sustainable manner. **Such a policy should be supported by excellence in marine scientific research, technology and innovation**”.

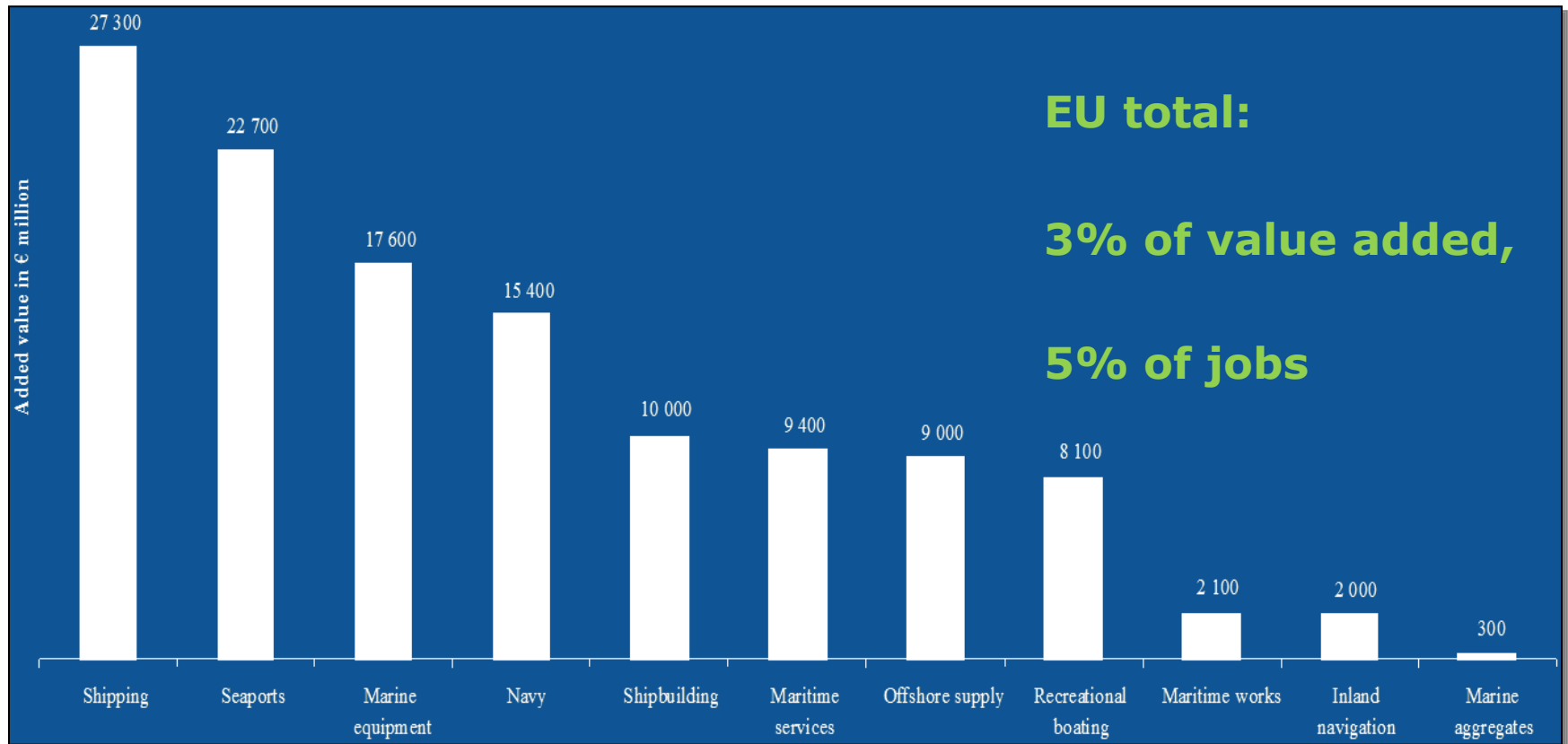


IMP approach

- **A new approach to maritime governance**
- **A shared EU maritime agenda**
- **Cross-cutting tools for comprehensiveness and efficiency**

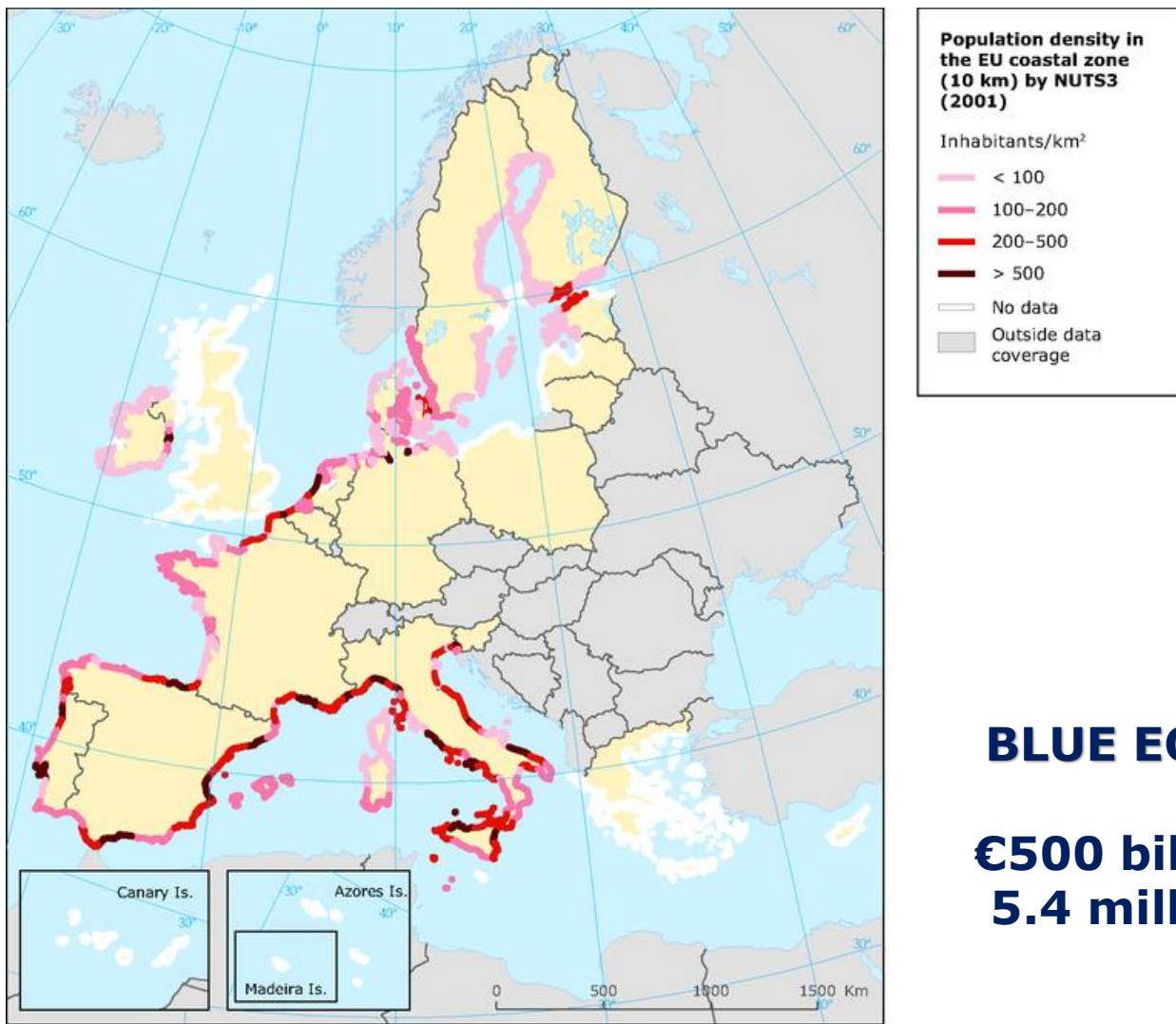


The maritime economy: the important sectors





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In 2020

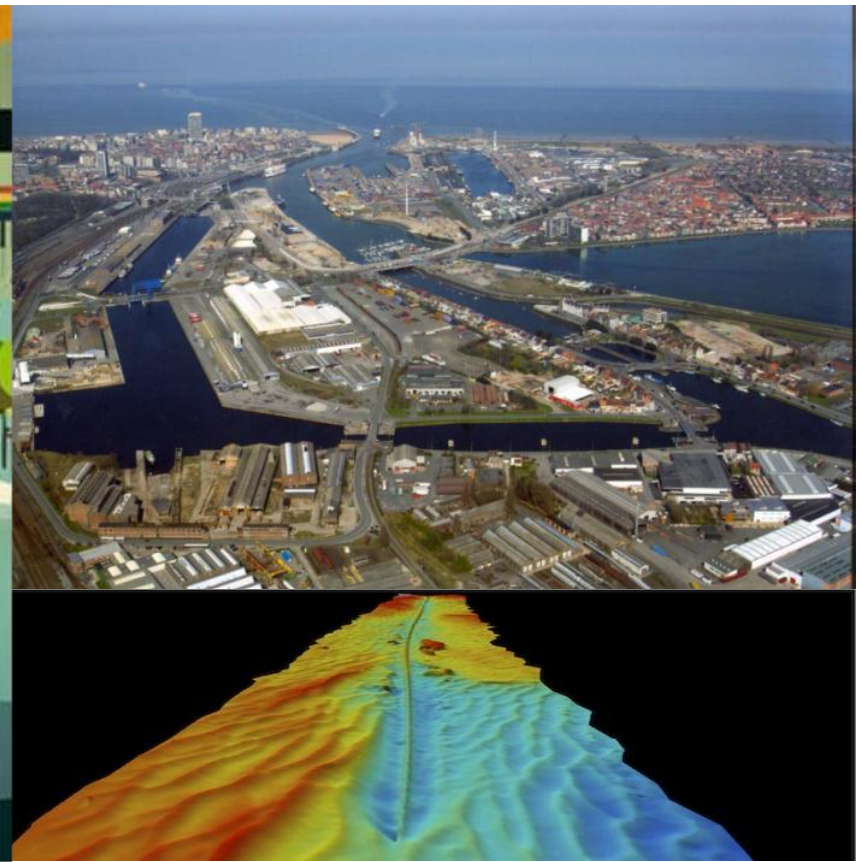
**€600 billion GVA
7 million jobs**

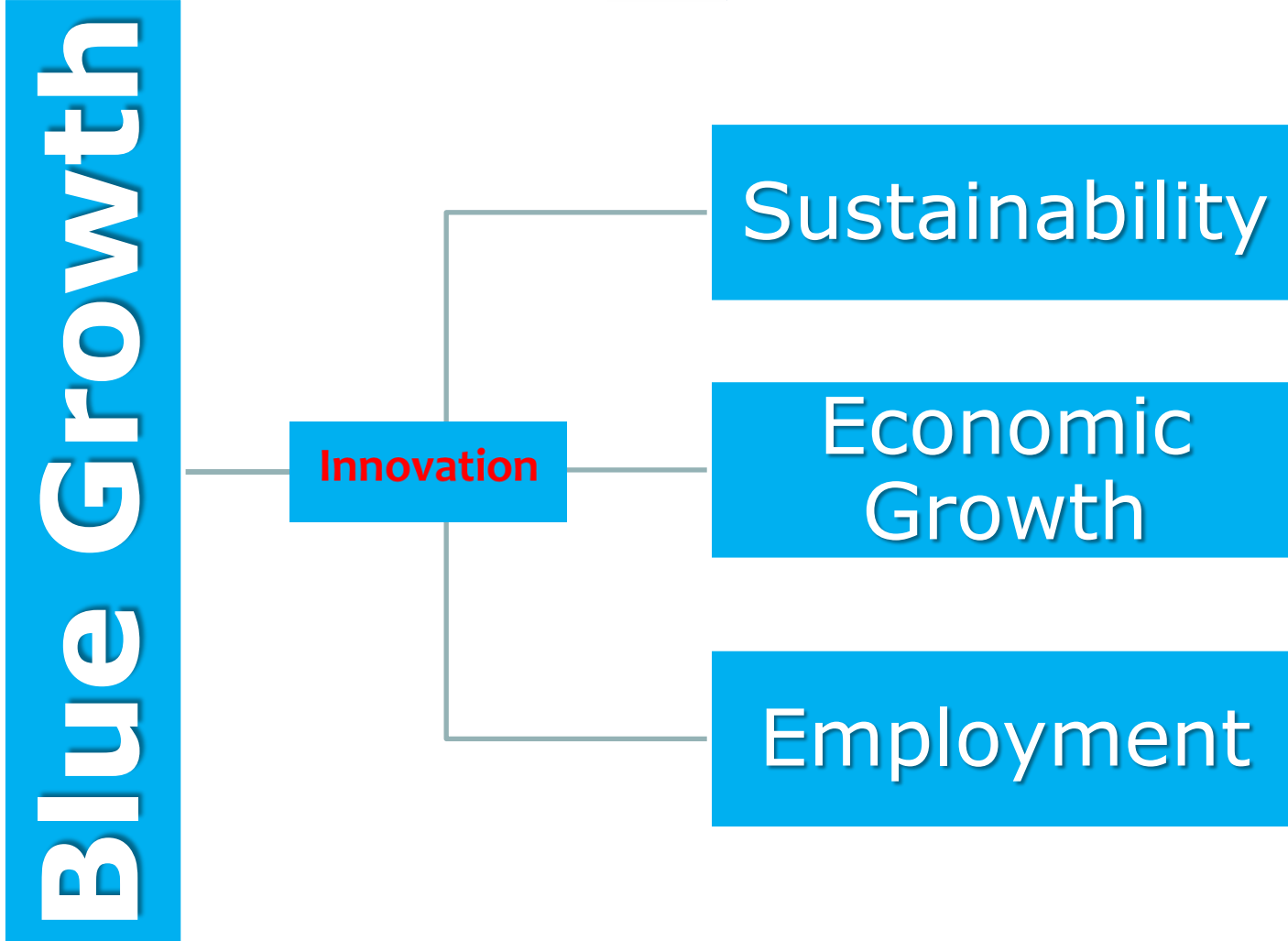


BLUE ECONOMY

**€500 billion GVA
5.4 million jobs**

Building the blue economy

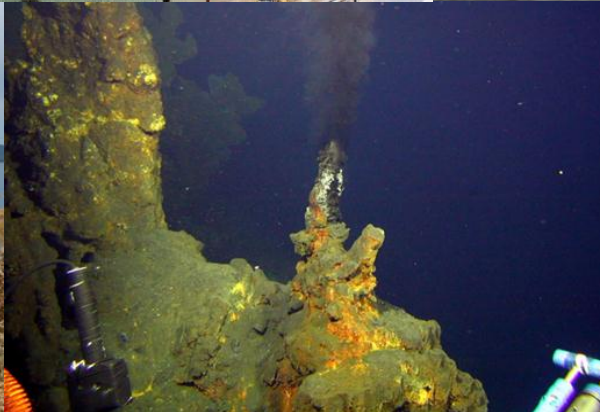






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5 focus areas



blue tourism

2.35 million = 1.1% of total EU
employment



blue energy

Offshore wind:

- by 2020 4% of EU electricity demand and 170,000 jobs

Wave and Tidal in future

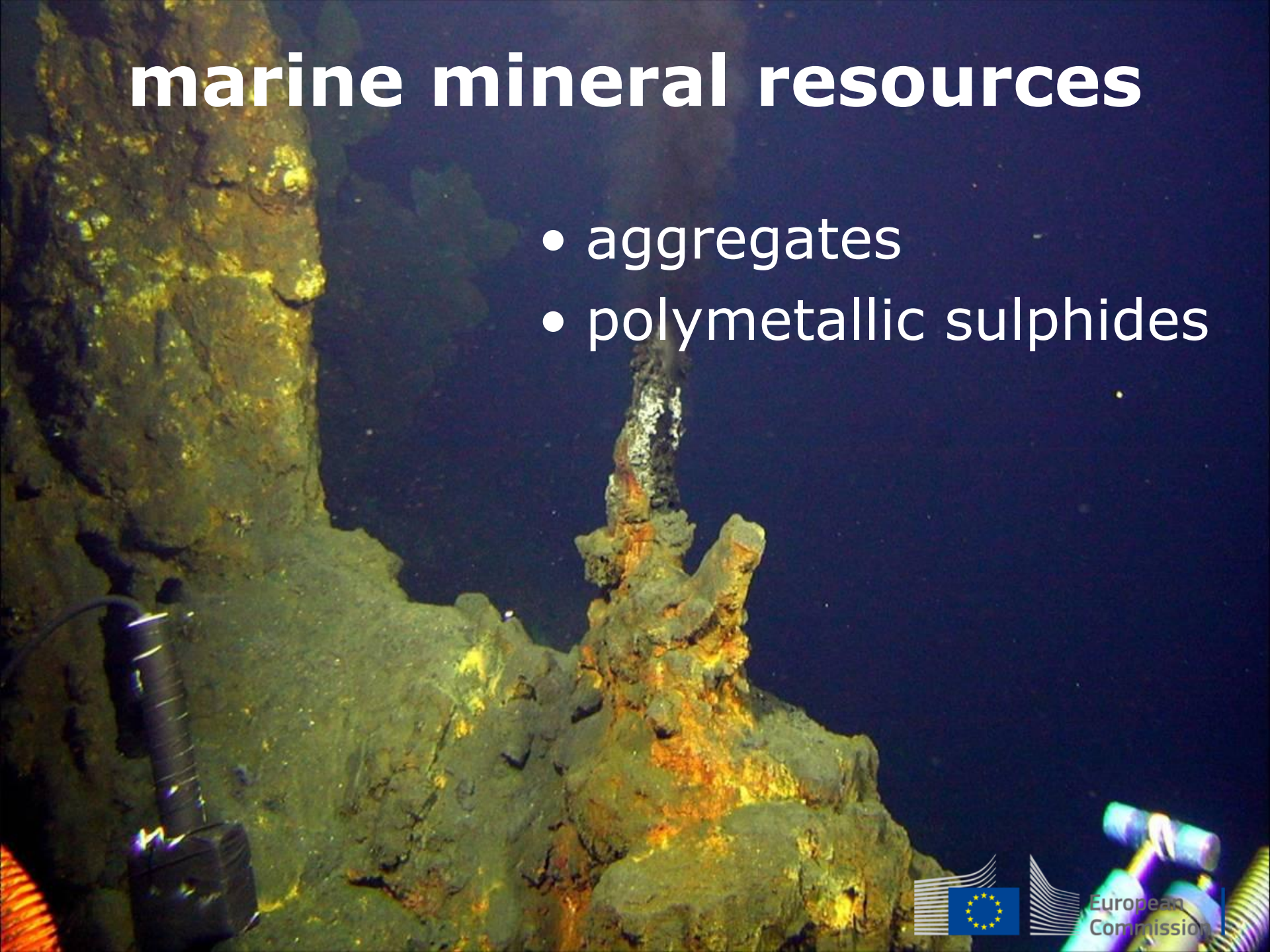
aquaculture

- 80,000 jobs in Europe
- Production stagnant



marine mineral resources

- aggregates
- polymetallic sulphides



blue biotechnology

- Pharmaceuticals and cosmetics
- Food, feed and chemicals
- Biofuels
- Plastic and environmental protection

blue biotechnology

- Relative young sector
- Access to finance
- Struggle to reach critical mass
- Low cooperation between the research community and the SMEs
- Key technological gaps
- Strong synergies with other sectors

blue biotechnology

- Impact assessment
- Stakeholder consultation

Links

Maritime Policy

http://ec.europa.eu/maritimeaffairs/policy/index_en.htm

Blue Growth Communication

http://ec.europa.eu/maritimeaffairs/policy/blue_growth/documents/com_2012_494_en.pdf

Blue Growth webpage

http://ec.europa.eu/maritimeaffairs/policy/blue_growth/index_en.htm

Blue Growth Study

<https://webgate.ec.europa.eu/maritimeforum/content/2946>



Thank you

<http://ec.europa.eu/maritimeaffairs/>