



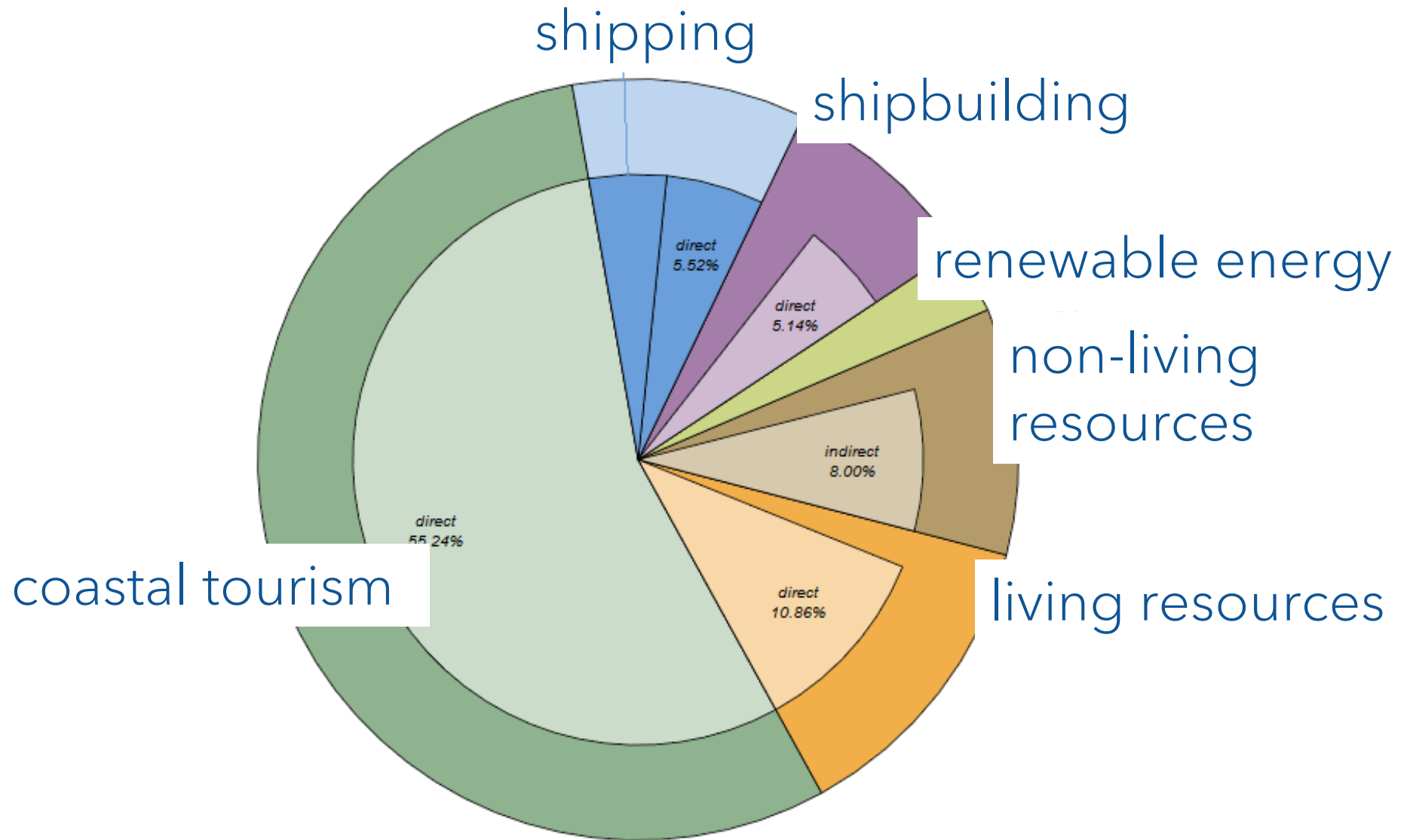
blue economy

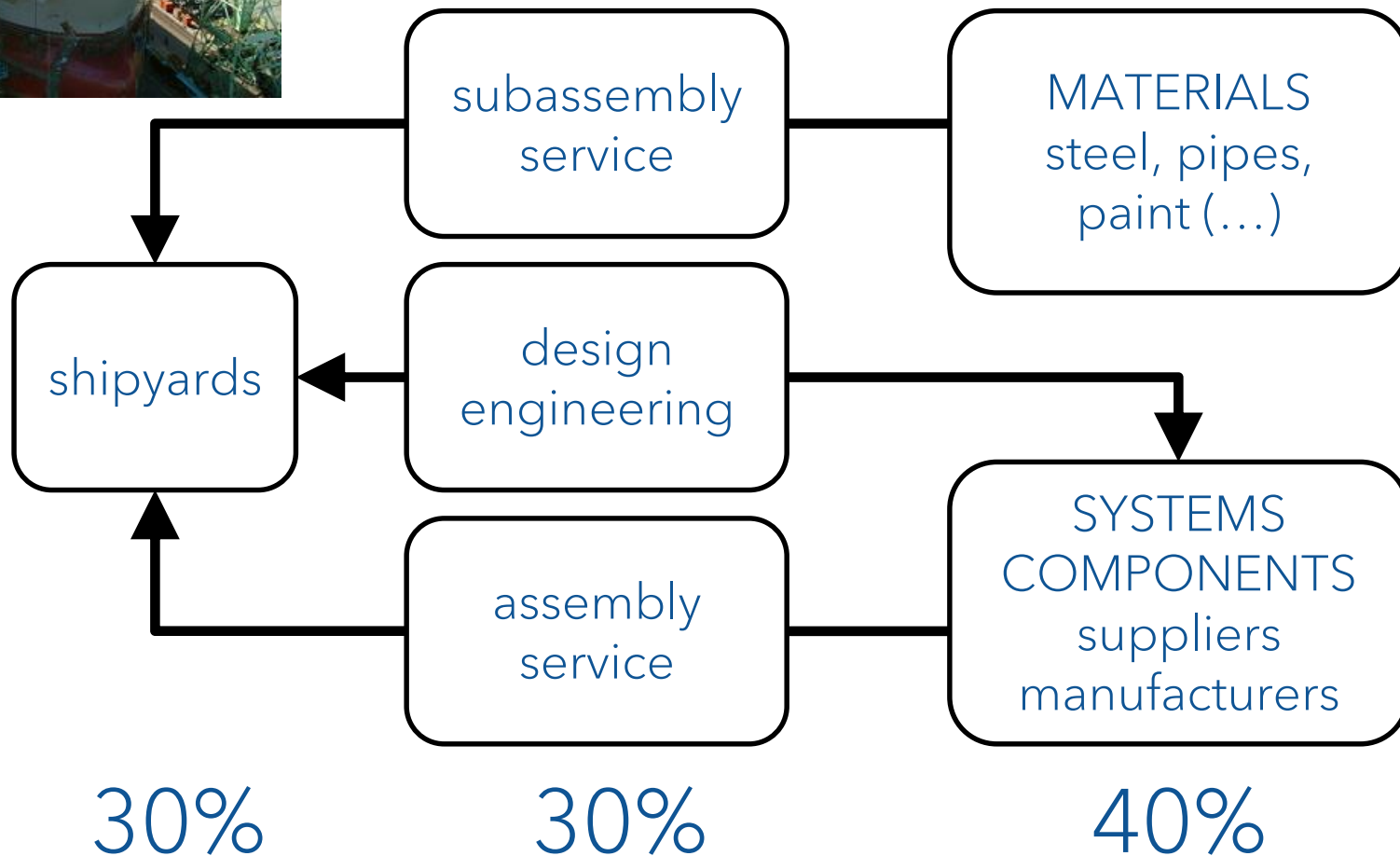
EU-China Blue Year
Brussels, 2 June 2017

Iain Shepherd
European Commission
Directorate General for Maritime Affairs and Fisheries

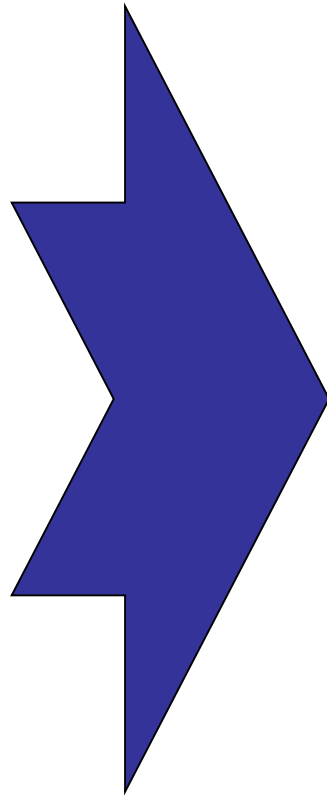


> 5 million jobs



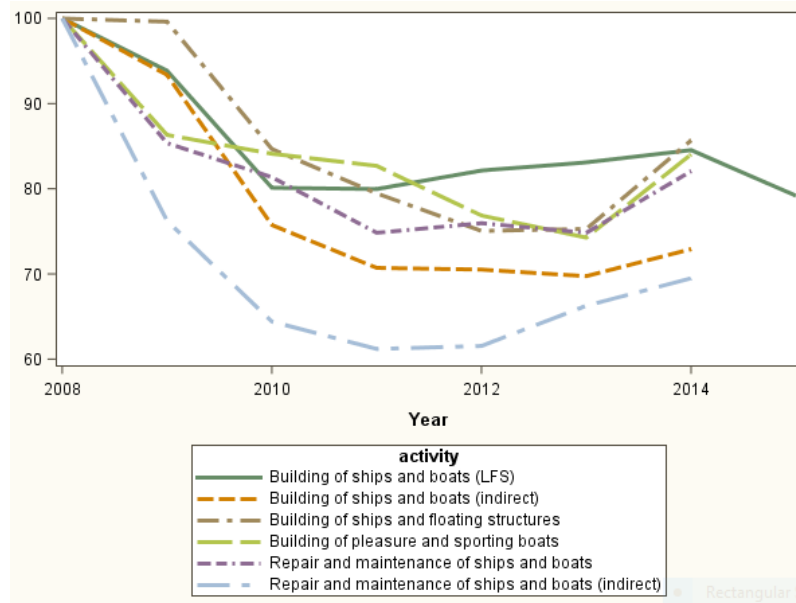


- Eurostat structural business statistics and
- supply and use tables



employment in enterprises providing goods and services to primary activities in each Member State

| | |
|---|---------|
| building of ships and floating structures | 144,000 |
| building of pleasure and sporting boats | 52,000 |
| indirect | 160,000 |
| repair and maintenance of ships and boats | 88,000 |
| indirect | 33,000 |





living resources

| | | turnover | value added | employed |
|---------------------------|---------------------------|----------|-------------|----------|
| fisheries and aquaculture | indirect | . | . | 77,000 |
| fisheries | distant water fleet | 1 | 0.3 | 7,000 |
| | large scale fleet | 5 | 2,3 | 74,000 |
| | small scale fleet | 1 | 0.6 | 84,000 |
| aquaculture | finfish salt water | 1 | 0.2 | 5,000 |
| | shellfish | 1 | 0.5 | 40,000 |
| | finfish fresh water | 1 | 0.2 | 15,000 |
| processing | indirect | . | . | 95,000 |
| | processing and preserving | 24 | 4.0 | 116,000 |
| retail | in specialised stores | 6, | 1.2 | 71,000 |

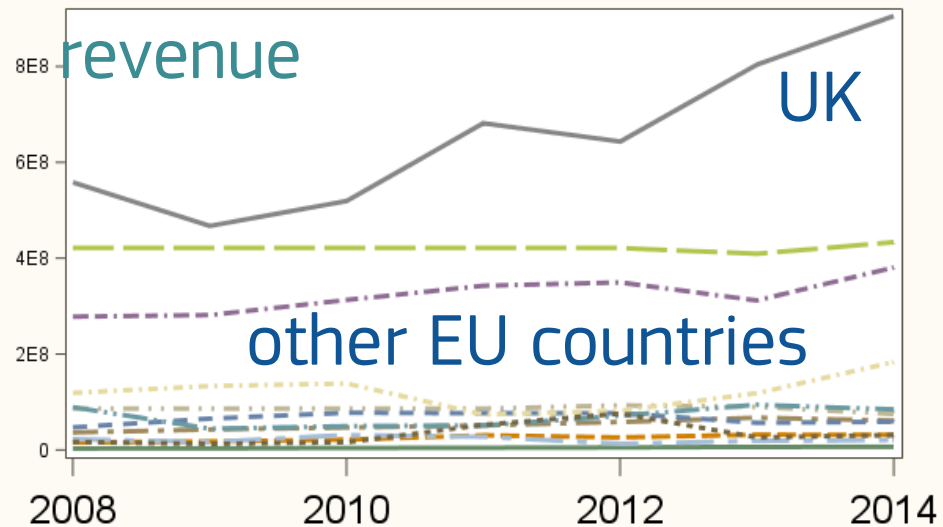
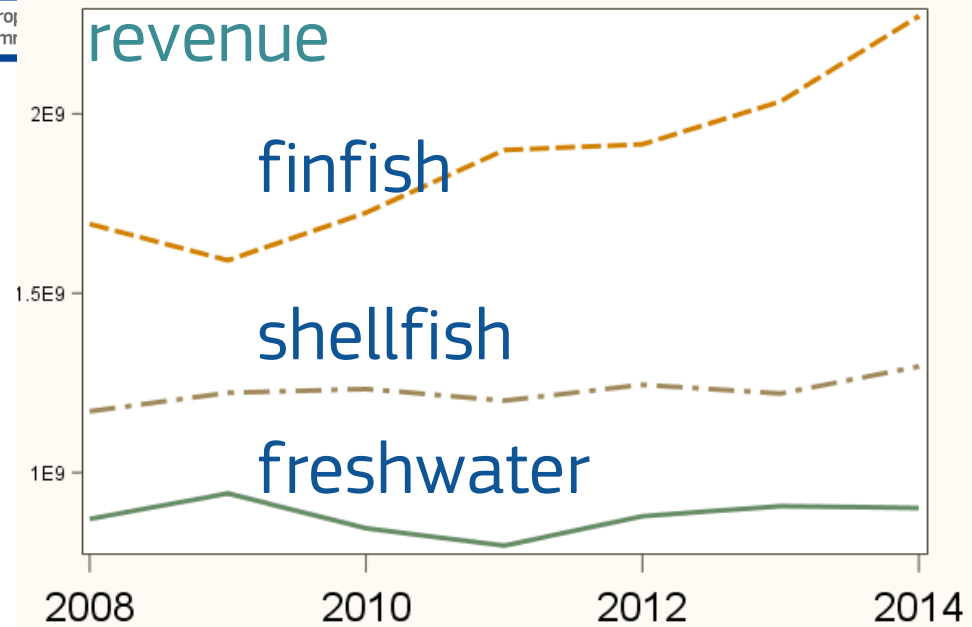
- Large scale fleet
 - 50% of employment
 - 82% of income

- Small scale fleet
 - 50% of employment
 - 18% of income



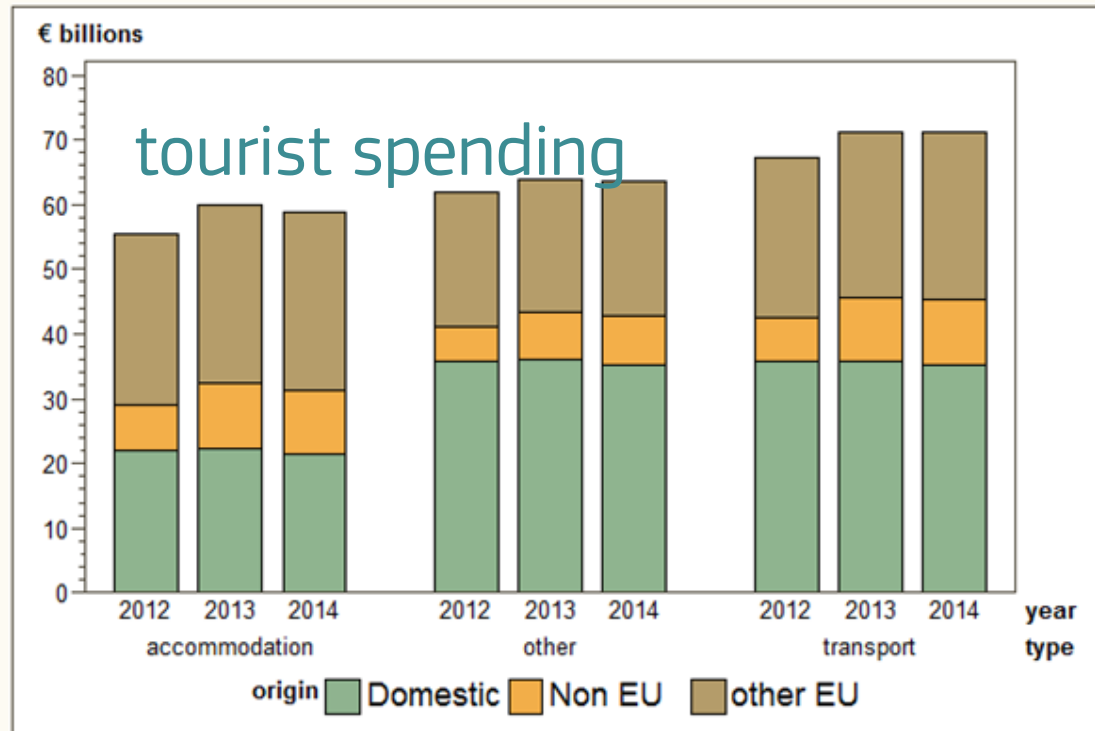
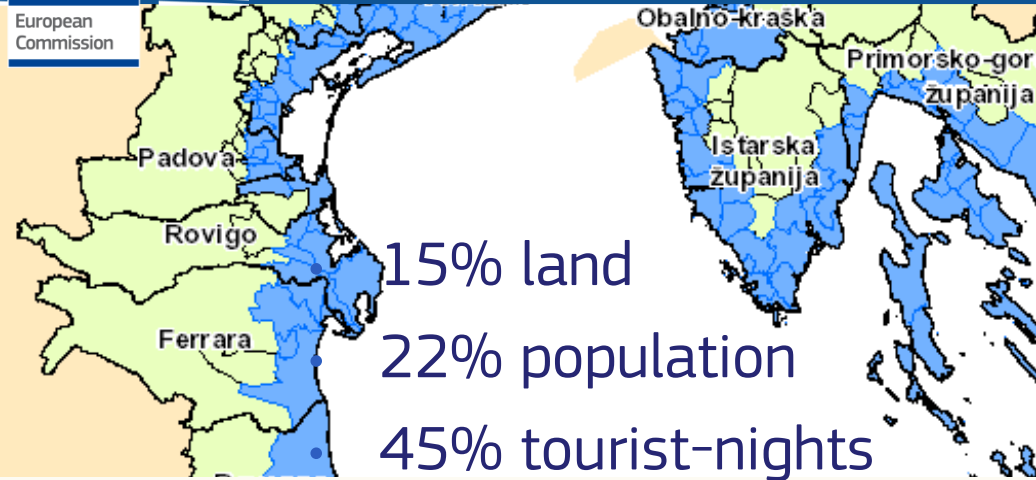


- growth
 - global 8% a year
 - EU zero
- need
 - move further offshore
 - share with wind turbines
- environment
 - complex permitting
- long-term
 - Can ocean provide more than 2% of global food?





- growth
 - steady
- need
 - higher wages
 - less seasonality
- focus:
 - nautical tourism
 - cruise tourism
 - cultural heritage
- environment
 - transport

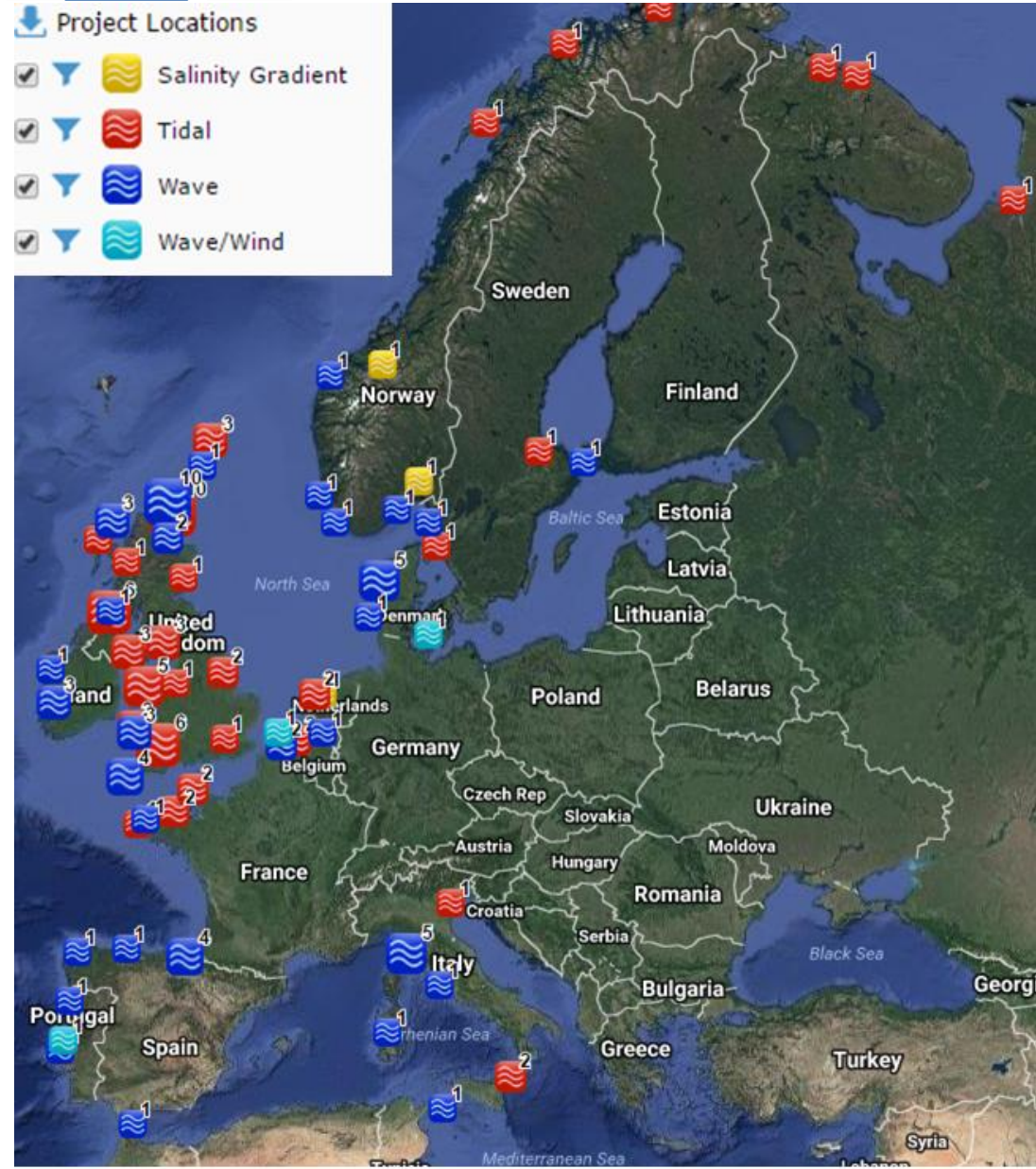


offshore wind





- need
 - reliability
 - public incentives
 - standards
- environment
 - big issue for tidal range
 - delays tidal stream and wave projects
 - need evidence base



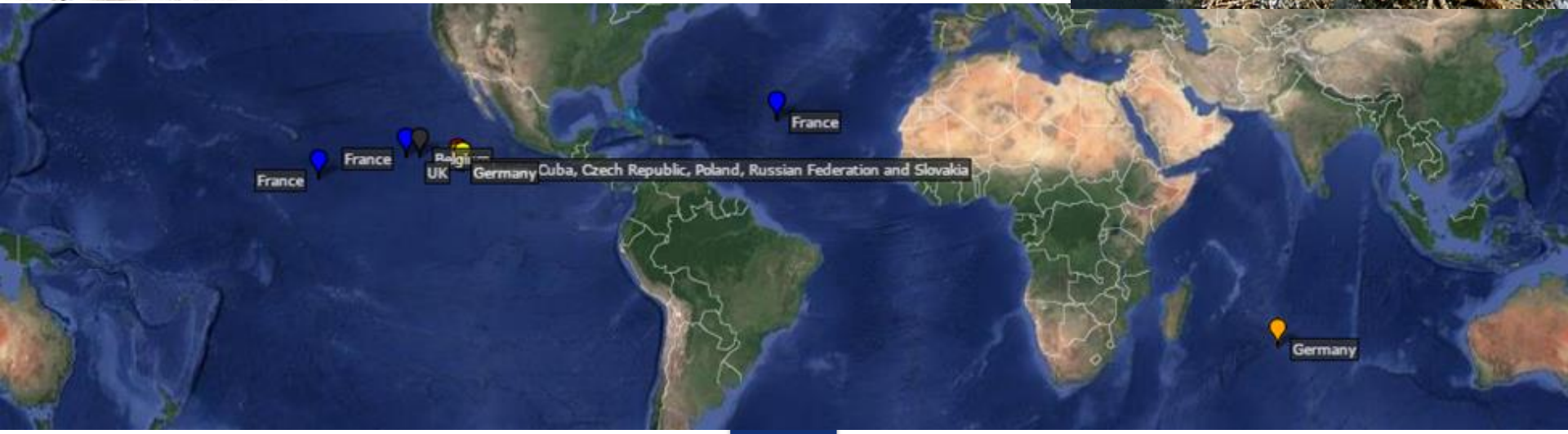
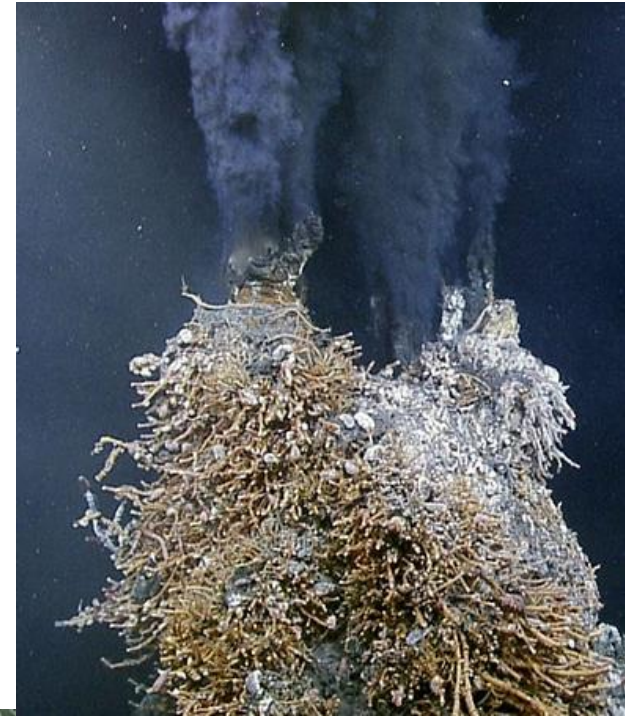
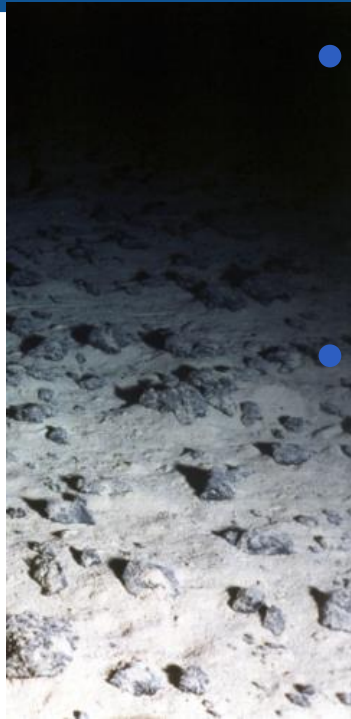


- need

- secure source of supplies
- preservation fragile ecosystems
- competitive EU industry

- focus

- €27 million research on impact
- support to international seabed authority
- support to developing countries





Marine Policy

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Defining and quantifying China's ocean economy

Rui Zhao^{a, b}, , , Stephen Hynes^c, Guang Shun He^a

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- Differences in method
- EU
 - higher proportion of employment in coastal tourism
 - higher proportion of revenue from oil and gas
- China
 - higher proportion of employment in fisheries and aquaculture

that's it

