marine knowledge 2020

supporting underwater conservation

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cost of ocean observation in EU

- space data: €400 million per year
- in-situ data: > €1 billion per year
(..) the data collected through these observations can only generate knowledge and innovation if Europe's engineers and scientists are able to find, access, assemble and apply them efficiently and rapidly. At present this is often not the case.
Marine knowledge 2020

Marine data and observation for smart and sustainable growth

adopted 8 September 2010
Integrates EU initiatives into coherent whole

- Data Collection Framework in fisheries
- Global Monitoring for Environment and Security
- European Marine and Observation Network
- INSPIRE Directive Public Sector Information Directive
a common architecture

observation and data collection → archiving at national data centres → thematic assembly groups

sea basin checkpoints

application
objectives

1. reduce operational costs and delays for those who use marine data and therefore:
   - help private industry
   - improve the quality of public decision-making at all levels;
   - strengthen marine scientific research

2. increase competition and innovation amongst users;

3. reduce uncertainty in knowledge of the oceans
expected benefits of EMODnet in long-term according to impact assessment

- €300 million annually
  - reducing of operating cost of which
    - €100 million for science
    - €56 million for public authorities
    - €150 million for private companies

- €60-€200 million annually
  - increasing competition and opportunities
    - contributes to innovation and growth
- hydrography portal
  - developed quarter of a minute
digital terrain mode
- hydrography portal
  - access to catalogue of surveys
- Next step (ready by mid 2014)
- Complete EU coverage at 1/8 minute (< 230 metres) resolution
- geology portal
  - sediments at one to one-million
• by mid 2015
  – Complete European coverage
Other portals
- physical parameters (includes near real-time)
- chemical contamination
- biological species
- physical habitats
New projects 2012-2013, €19,200,000

- complete European coverage for existing portals
- test fitness for purpose in North Sea and Mediterranean
- build front-end giving access to all data
<table>
<thead>
<tr>
<th>Year</th>
<th>Proposal Description</th>
<th>Budget</th>
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<tbody>
<tr>
<td>2010-2013</td>
<td>Commission Proposal for Financial Regulation to support maritime policy</td>
<td>€19,200,000</td>
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<td>2008-2010</td>
<td>Preparatory Actions</td>
<td>€6,450,000</td>
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<td>2014 onward</td>
<td>Proposal for European Fisheries and Maritime Fund</td>
<td>€30 million per annum</td>
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more information

- https://webgate.ec.europa.eu/maritimeforum/node/1305