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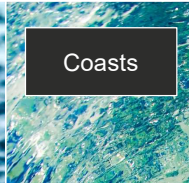
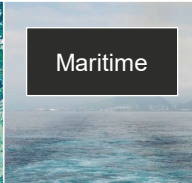
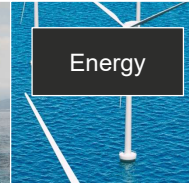
The importance of marine data and observations for the private sector
Quillon Harpham, HR Wallingford

EOOS Conference, Brussels, 21-23 November 2018




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HR Wallingford Technical Expertise

 <p>Water management</p>	 <p>Flood management</p>	 <p>Coasts</p>	 <p>Maritime</p>	 <p>Energy</p>
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Key Blue Growth Enabler: Data




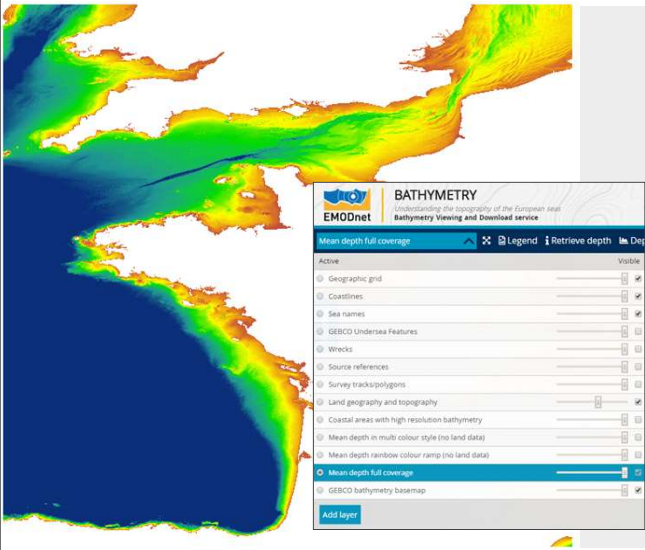
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 **Data as a Blue Growth Enabler**

- **Static Data Products**
Improved raw and post-processed bathymetry products
- **Active Data Collection**
E.g. Autonomous systems for scour management
- **Complex Active and Static Data Integration**
E.g. WaveSentry forecasting system using Earth Observation data

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 **Use Case: Hydrodynamic Modelling in the English Channel**




Tile E4:

- xyz format, 178 MB
- unzipped to 1.3 GB

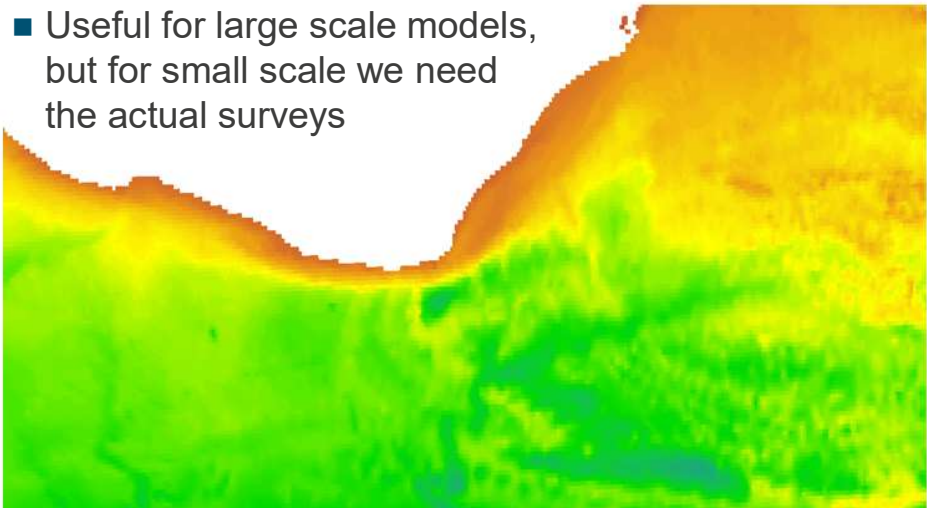
EMODnet Bathymetry DTM Data Product from Bathymetry portal

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In ArcGIS with British National Grid

- Useful for large scale models, but for small scale we need the actual surveys



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Characteristics of the Best Data Products

- **Realistic and Relevant**
Data products presented for the convenience of the users NOT the suppliers; not 'overhyped'
- **Clear**
Supplied with concise, well explained, jargon-free supporting information, including provenance
- **Usable**
Simple to find, access and process


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Checkpoint 'Rome Indicators'

- **Visibility:** How easy was it to find out that the data existed and understand what was on offer? ★ ★ ★
- **Terms and Conditions:** Did you have a licence to use the data and at a reasonable price? ★ ★ ★ ★
- **Availability:** How easy was it to obtain the data? ★ ★
- **Accessibility:** How easy was it to open and process the data? ★ ★ ★ ★ ★
- **Clarity:** Did you understand the data? ★
- **Utility:** Spatial coverage and resolution; temporal coverage and resolution; was the data of a sufficient quality to meet your needs? ★ ★ ★

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30 Minute Challenge

To evaluate a potential data provision, users need to be able to answer the following three questions within 30 minutes:

- **Which phenomena / parameters are available?**
- **What is the spatial and temporal coverage?**
- **Am I licenced to use it commercially?**

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