

# EMODnet-Geology

4<sup>th</sup> EMODnet Steering Committee, JRC, Ispra, Italy. 1-2 July 2015

Alan Stevenson, Jonathan Lowndes (British Geological Survey) and the project team



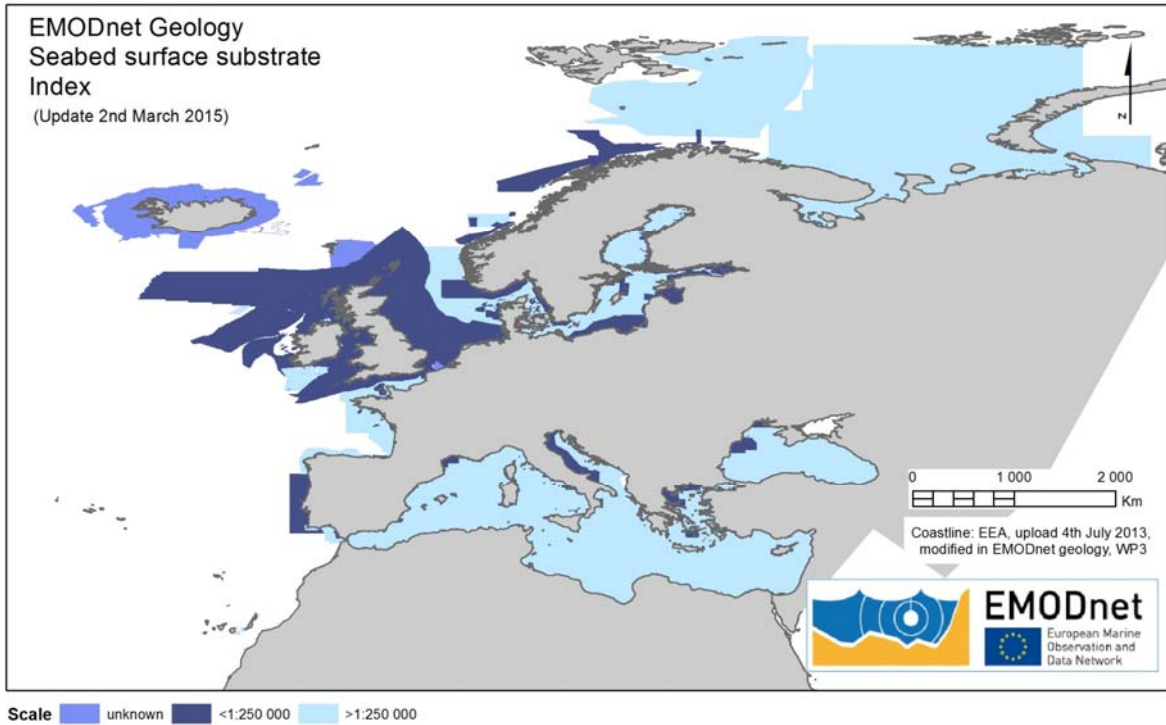
**EMODnet**

## Workpackages

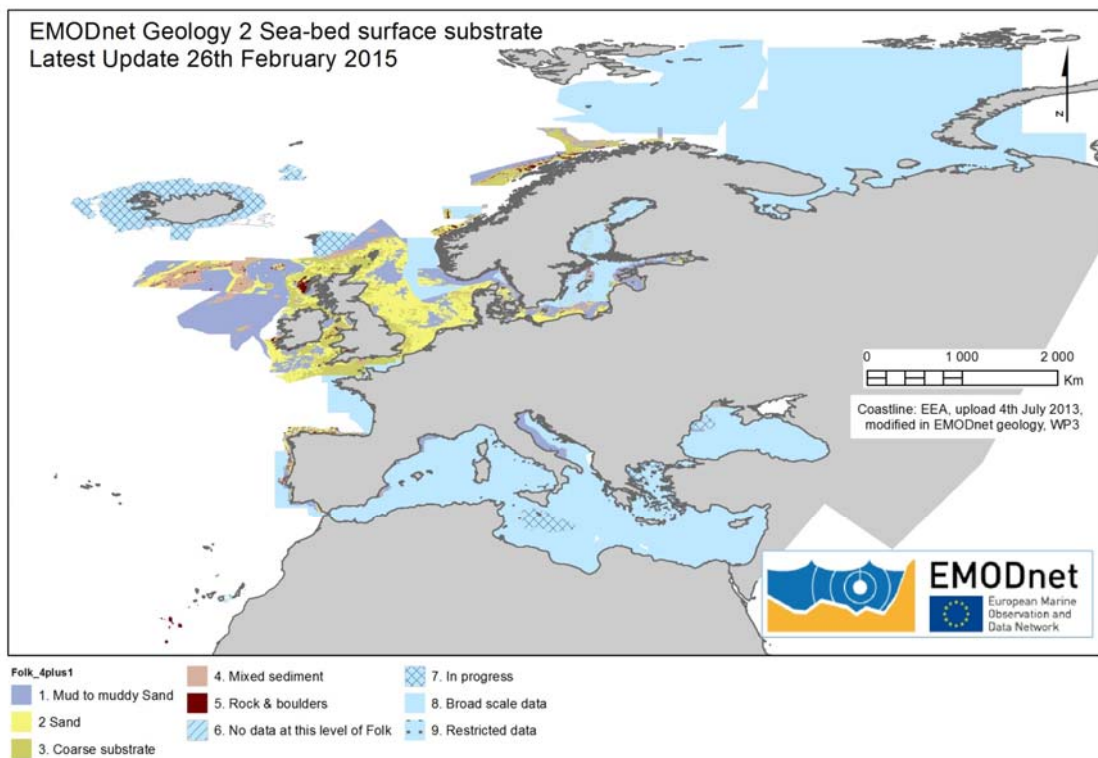
- WP1. Project Management
- WP2. Geological data specification and sourcing
- WP3. Sea-bed substrate. Led by GTK, Finland. Includes case study led by CEFAS, UK)
- WP4. Sea-floor geology. Led by BGR, Germany
- WP5. Coastal behaviour. Led by TNO, The Netherlands
- WP6. Geological events and probabilities. Led by ISPRA, Italy
- WP7. Minerals. Led by GSI, Ireland
- WP8. Web services and technology. Construction phase October 2013-October 2014
- WP9. Dissemination.
- WP10. Liaison with EMODnet lots and other related groups/projects.
- WP11. Project analysis and sustainability



# EMODnet WP3. Seabed substrate

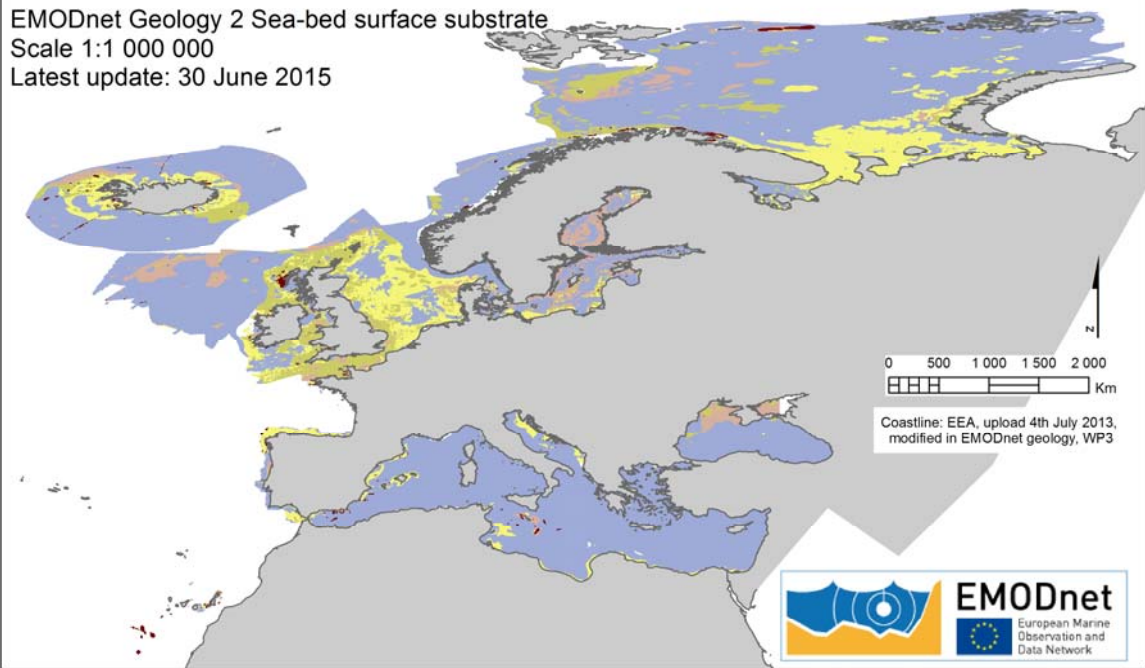


# EMODnet 1:250,000 information (19%)





EMODnet Geology 2 Sea-bed surface substrate  
 Scale 1:1 000 000  
 Latest update: 30 June 2015

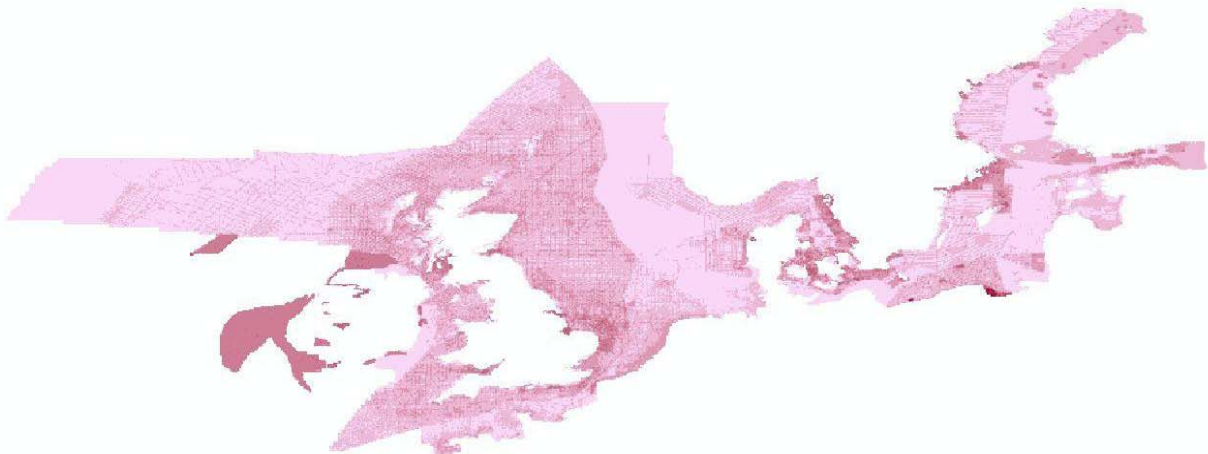


### Folk substrates

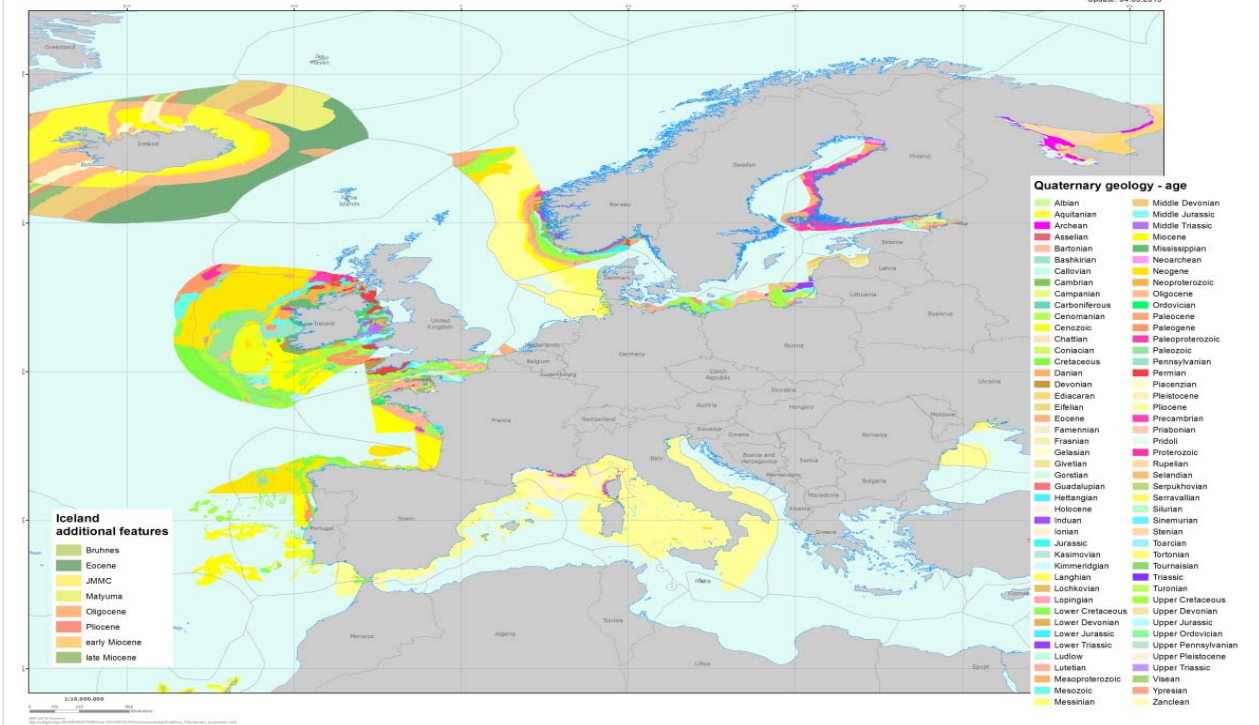
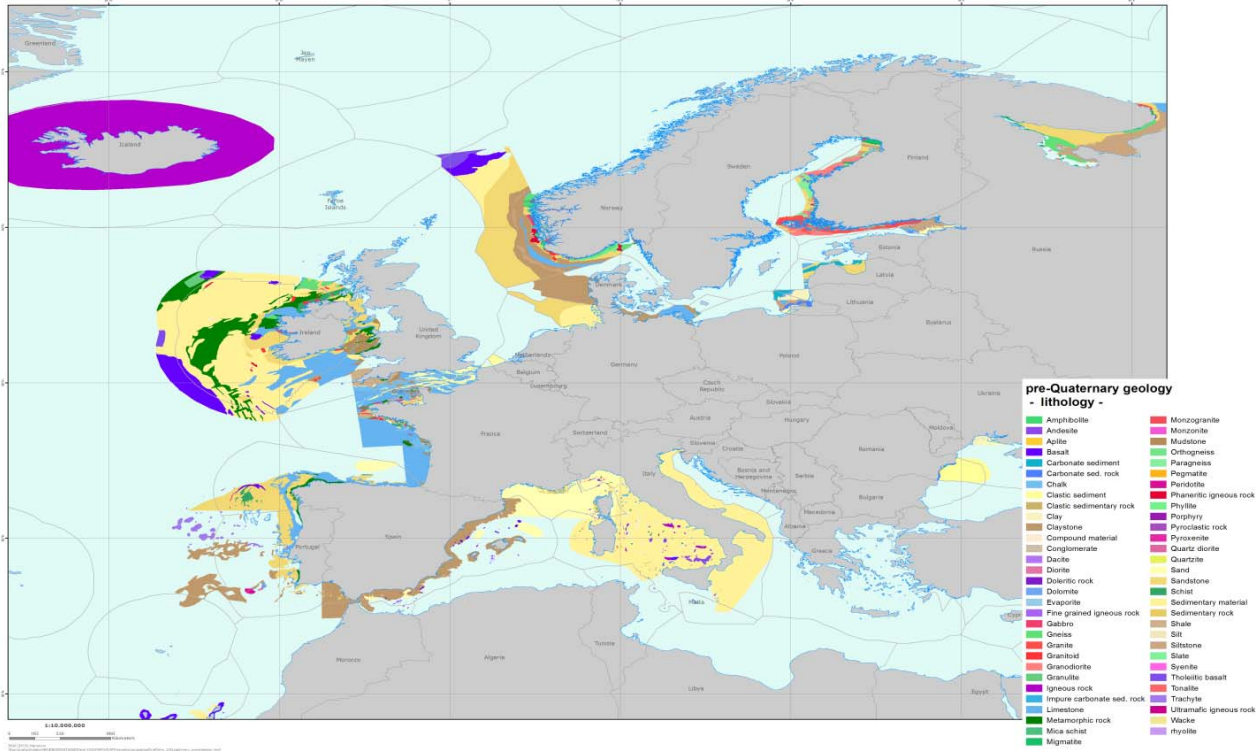
- |                      |                                  |
|----------------------|----------------------------------|
| 1. Mud to muddy Sand | 4. Mixed sediment                |
| 2. Sand              | 5. Rock & boulders               |
| 3. Coarse substrate  | 6. No data at this level of Folk |

Datasets (30.6. 2015) in "display" order

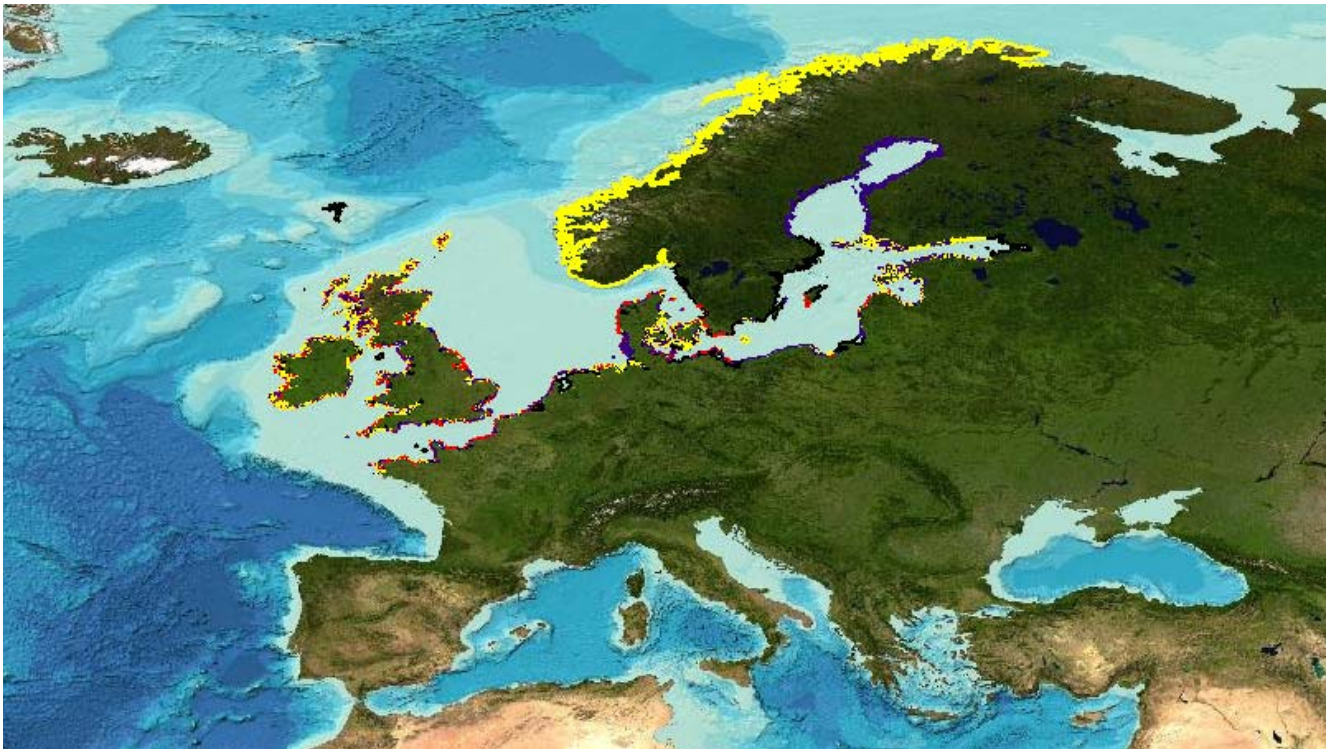
- 1 M data from Partners
- Generalized EMODnet data 1:250 000 (Code: EU-006)
- urEMODnet data, Mediterranean (Code: EU-002)
- & Black Sea from HCMR (Code: EU-003)









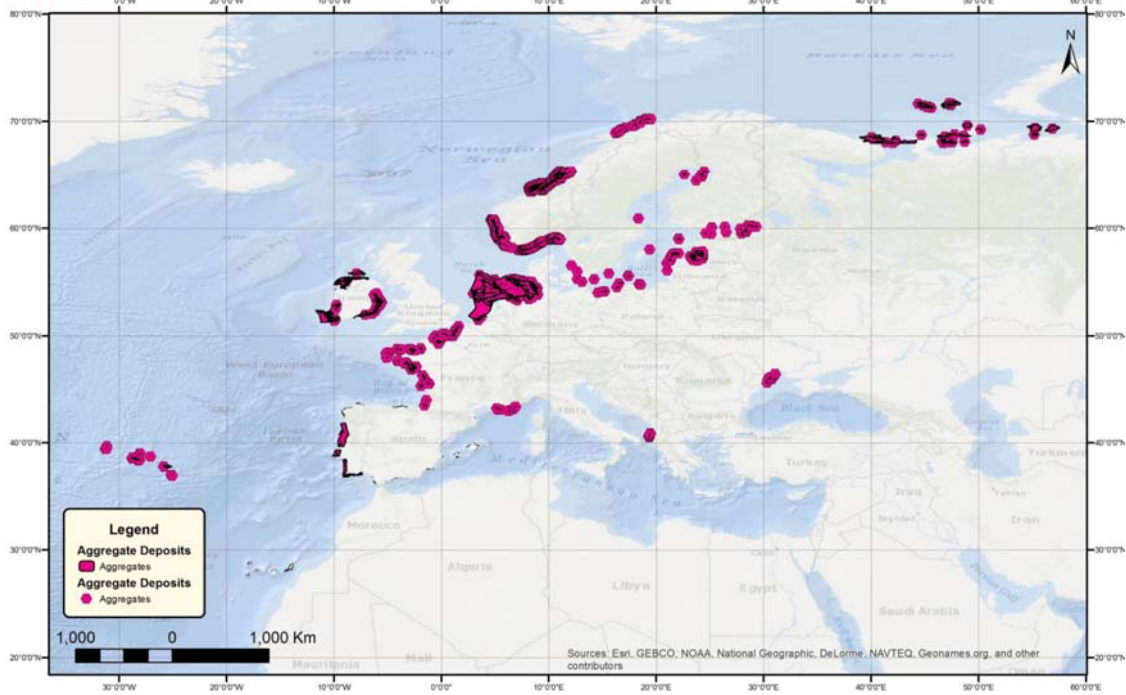


- Ongoing discussions about the features included in WP6.
- For example, additional linear shapefile represents the coasts affected by tsunamis.
- This information is needed in order to evidence the area impacted by the tsunami or in case of unknown source location.
- Features falling within the Adriatic Sea are spread over the EEZs of bordering countries. These countries agreed to cooperate creating a working group on Adriatic Sea geology which will work on all WPs of the EMODnet-Geology 2 Project. The first meeting of the Adriatic Sea Group was held in Rome on May 25<sup>th</sup> and 26<sup>th</sup>.

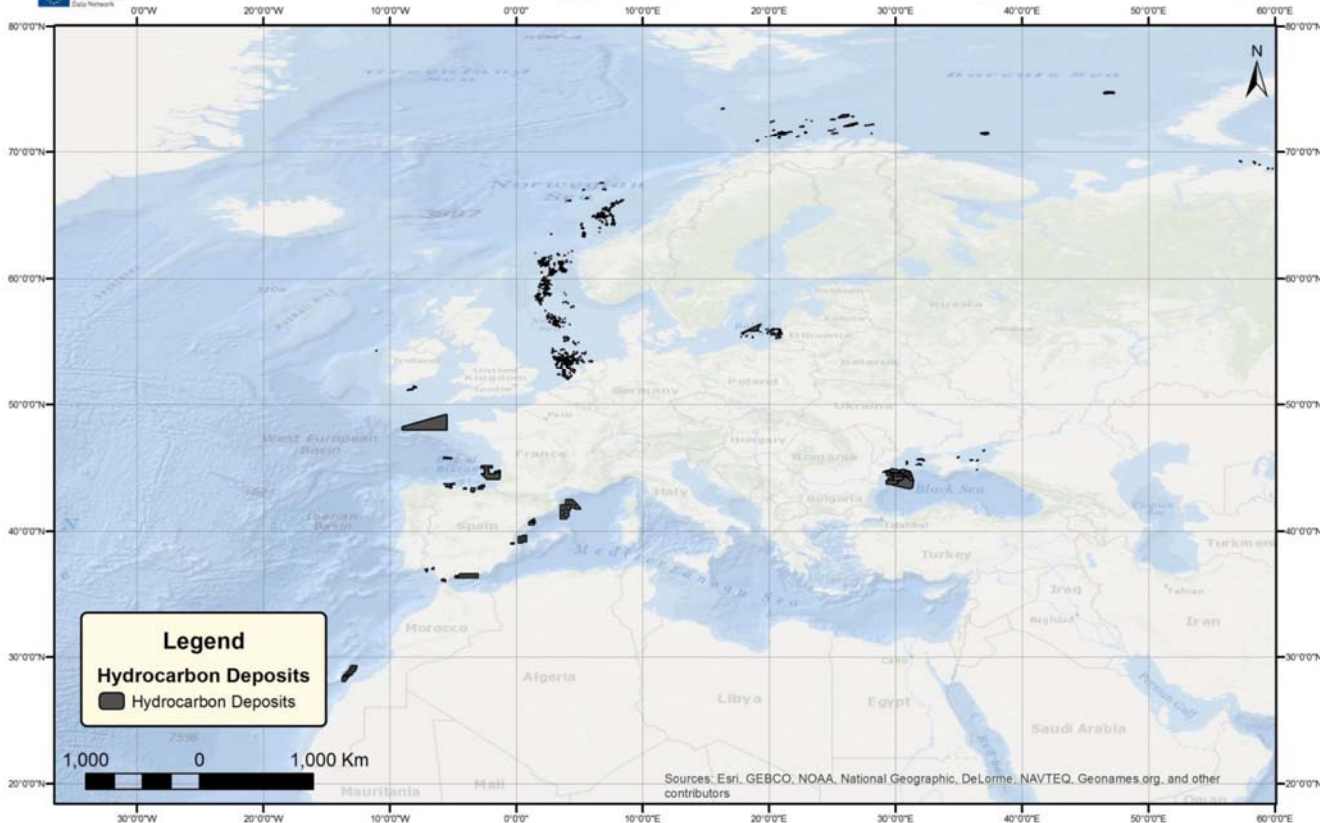


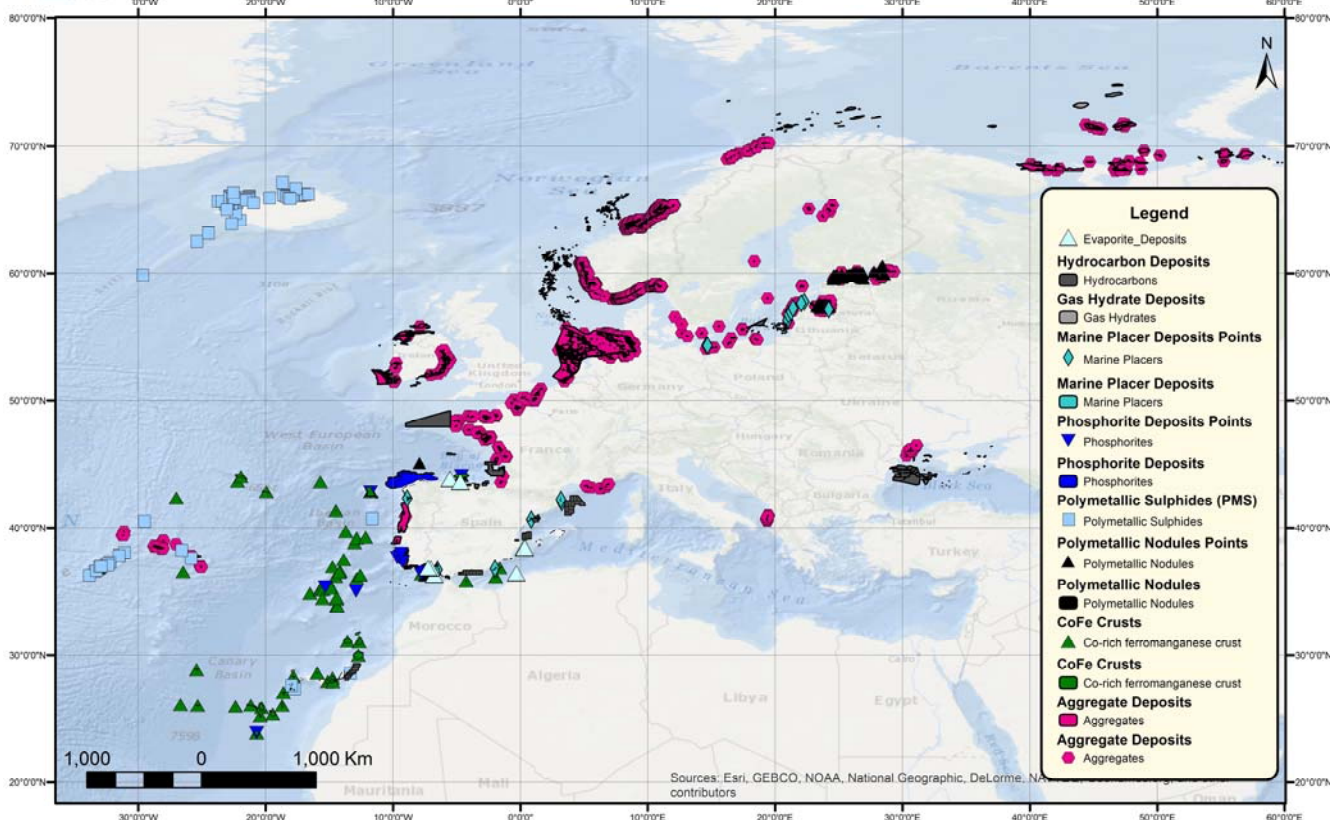
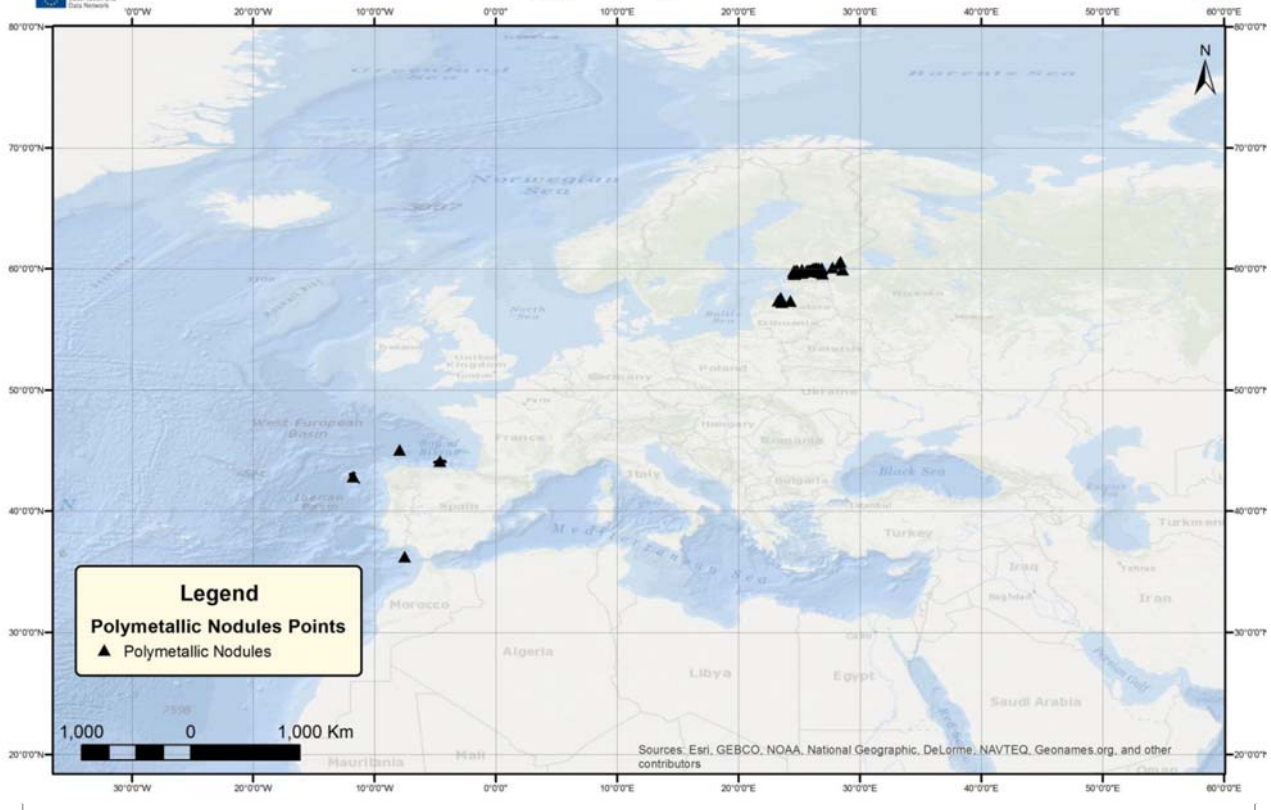


## EMODnet Geology Aggregate deposits



## EMODnet Geology Hydrocarbon deposits









- Chair of Atlantic Seabed Mapping International Working Group. Next meeting in Cork, Ireland on 9 July. Meeting on October 28 in St Johns, Canada.
- Session accepted on 'Mapping the oceans: co-ordinating seabed and habitat mapping for maritime spatial planning' at the AGU Ocean Sciences Meeting in New Orleans, 21-26 February 2016.
- Session on Marine Mapping submitted to International Geological Congress in Cape Town, August/September 2016.
- Attended workshop on establishing the European Ocean Observing System in Brussels in April.