EMODnet-Geology

EMODnet
European Marine Observation and Data Network
Your gateway to marine data in Europe

8th EMODnet Steering Committee Meeting, Rome

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Main achievements/activities – geology

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- Participation in DIP workshop in Limassol 10-12.4.
- Contract signed on April 12th
- EASME kick-off in Brussels 23 May
- Kick-off meeting held in Espoo, Finland on 29-30 May
- Web portal up and running in June
- First quarterly report submitted on July 14th, accepted
- Participation in TWG meeting in Genoa (Pjetursson, Alanen)
- Submerged landscapes workshop, Copenhagen 26-28 June.
- Next:
  - Next project meeting 26-28.9, University of Sapienza, Rome
  - Work meeting with Seabed habitats lot 2.10, HCMR, Greece

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Activities (from progress report)

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- Geology portal shifted from BGS (UK) to GEUS (DK,EU)
- Web portal up and running in mid-June
- Update of inventory of data from partners by end of June
- All work packages will have guidelines ready and distributed to partners by end of September
- Submerged landscapes WP (new), plans for 1. year identified during WS in Copenhagen 26-28.6.

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Web portal – new host up and running

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EMODnet Geology

Welcome to the EMODnet Geology Portal – one of several EMODnet portals aiming to strengthen blue growth in Europe.

To get started, either browse through the list of available data products or have a look at the map.

Marine research is truly multidisciplinary as evidenced by e.g. the EMODnet I, II, and III projects that have been running since 2009. EMODnet Geology has succeeded in bringing together harmonised offshore data including sea-floor geology, seabed substrates, rates of coastline migration, geological events and probabilities and mineral resources.

Now in its third phase, EMODnet Geology Portal consolidates the existing data products with higher resolution and more contents. New services are being built, so users can investigate and search for borehole data, seismic survey data, and multibeam survey data using interactive maps and tools.

We encourage you to contact us, should you have ideas for further improvements or would like to share, how you benefit from our products and services.

Best wishes
The EMODnet Geology Team

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EMODnet geology web portal – submerged landscapes

- All the maps from the 2nd EMODnet phase can now be accessed through the portal, and will be updated during the EMODnet 3 project.
- In the 3rd EMODnet phase a new work package – *submerged landscapes* will be added to our web products. The WP has identified key features to be added, such as archaeological data (SPLASHCOS), relevant data evidencing submerged landscapes (drainage channels polygons, lines, coastlines, isoanomalies), and many more. Collection of information is going on and all the submerged landscapes features will be discussed at the next EMODnet – geology project meeting here in Rome 26-28 September.

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QUESTIONS from Secretariat

For the thematic portal coordinators: please make sure that in your update you provide information on:

Who is using you portal in general, and how your portal is being used by businesses more specifically?
The most popular product is the substrates map, which has been downloaded 50+ times. Main users of it are authorities, about 60% of the downloads, second are universities, about 27% and the rest are companies, about 9% and private persons ca. 6%.
Looking at Top10 of the main portal we have authorities only (1.NERC, UK; 2. Institute of Hydrology, UK; 3. Valtiokonttori/VIP, FI; 4. St. Petersburg, RU, 5. VLIZ, BE; 6. Skov og Naturstyrelsen, DK, 7. NGU, NO; 8. LEGMC, LV; 9. HCMR, GR; 10. Malta Information Technology Agency (MITA), MT)

Status of your portal in terms of global interoperability
Global interoperability is obtained by offering OGC standard services.

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QUESTIONS from Secretariat

How your project/partners are considering and using Digital Object Identifiers (DOIs)?

DOI and CC (Creative Commons) adoption in progress by WP7 (Minerals).

Your views on common reference coastline across all portals,

in a later slide

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QUESTIONS (matters to discuss)

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Tender specifications:

1.7.1. Data and metadata to be made available
(1) Lot 1 Geology
– multibeam and seismic surveys and borings

Multibeam and seismic surveys from the Bathymetry lot?

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Hydrocarbon exploration – Boreholes from Human activities lot ?

Are borings and these boreholes the same thing?

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Questions

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Common coastline of Europe for all lots?
EMODnet Geology WP3 Seabed substrate leader has modified the latest coastline
provided by EEA (October 2015) with the corrections made in EMODnet Geology phase 2.
Corrections were made based on the feedback from the partners. More specifically, the
coastlines of the Barents Sea, Malta, Balearic islands and Canary islands have been
updated. EMODnet geology will use this coastline for its outputs.
Is there a need for common coastlines?

EEZ's
The EEZ's are in some areas a very sensitive issue as the marine national borders
are in many cases disputed.
Sometimes partners report data from same areas, but with different nationality.
We have in EMODnet geology discussed different solutions for disputed EEZ's:
dashed lines for disputed borders, imprecise or blurred borders. Suggestions?

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Questions

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Visual Image, common design of maps?
The visual image of EMODnet is being planned and hopefully we will have a "standard
template" of posters, flyers etc. But how about the "main" outputs of the different lots,
the printed maps (in reports, papers, presentations, etc.). Shouldn't they also have a
common layout or design? Things like, where to put the EMODnet logo, its size and shape,
titles, subtitles, scale bars, menus, North arrow (size and shape), frames, and of course
fonts.

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Outreach and communication activities

Date	Media	Title	Short description
May 4th 2017	GeoHab 2017, Halifax, Canada	Henry Vallius and EMODnet Geology partners: Multi-scale harmonized geological maps of the European seas–3rd phase of the EMODNET-geology project	Presentation of the new phase of the EMODnet geology project to the GeoHab community
May 3rd 2017	GeoHab 2017, Halifax, Canada	Anu Kaskela and Aarno Kotilainen: Seabed geodiversity of the Baltic Sea	Case study from a regional sea (the Baltic Sea) on seabed geodiversity
14th June 2017	Baltic Sea Science Congress 2017, Rostock, Germany	Anu Kaskela and Aarno Kotilainen: Quantifying seabed geodiversity of the Baltic Sea	Case study from a regional sea (the Baltic Sea) on quantification of seabed geodiversity. Plenary lecture
20-21 April 2017	GEO, Workshop, Florence, Italy	GEO (Group on Earth Observations) data providers	Opportunity for EMODnet Geology to contribute marine geology data to GEO
10-12 May 2017	Congress of the Italian Association of Cartography (AIC), Genoa, Italy	Italian Geological Mapping of submerged areas and its contribution to EMODnet - European Marine Observation and Data Network	Presentation of the Italian Geological Mapping Project (CARG) and the products obtained from its elaboration and delivered within EMODnet Geology
22-23 May 2017	6th Annual Deep Sea Mining Summit, London, UK	WP7 at ADSMS	EMODnet, marine geology and minerals specifically.
29 June 2017	Digital Ocean, Galway, Ireland		Publicising EMODnet, EMODnet Geology and the Minerals WP through brochures, pull-up banners and discussion.
30 June 2017	Harnessing Our Ocean Wealth, Galway, Ireland		"

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Scientific dissemination

- Kaskela, A.M. & Kotilainen A.T., 2017. Seabed geodiversity in a glaciated shelf area, the Baltic Sea. Geomorphology 295: 419 - 435.

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