



# **EMODnet Geology**

#### Aspects of focus raised by the Secretariat

- 1) Explain the actions you have undertaken, or planning, to develop a more user oriented approach, in particular to engage with <u>private sector</u> to stimulate use, to obtain feedback on the provided services, to ask about their requirements and actions undertaken to cater for their needs in terms of data, products and the way these can be searched, found, manipulated and retrieved.
- 2) Steps undertaken and progress made to engage with Regional Sea Conventions to cater for their needs



## Section 1.4.1

Task 2: Construct products from one or more data sources that provide users with information about the distribution of parameters in time and space:

To allow users access more geological relevant data sets from within the portal, we added new external data sources to the map viewer under paragraph "Other Portals"; EMODnet Bathymetry, Geo-Seas, and Seismic Portal. Now, users can select between all free data layers available in these data sources.

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## Section 1.4.1

#### Task 4: Develop a web portal allowing users to find, visualise and download data:

We are continuously extending the functionality and usability of the portal. Data products are now well described and made easily available for both download, online map view, and as web services. On request, we can even offer users access to a PostgreSQL database where all data are available for SQL analysis. Most recently we upgraded the layout and styling to align with the other EMODnet portals.



## **Section 1.4.1**

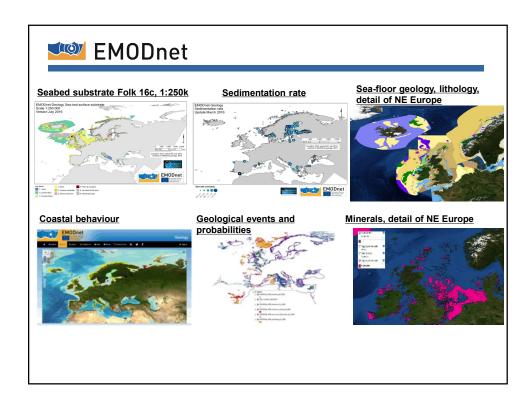
Question 2 from the Secretariat: Steps undertaken and progress made to engage with Regional Sea Conventions to cater for their needs

#### Task 5: Ensure the involvement of regional sea conventions:

The regional sea conventions (RSC's) have been officially invited to all our project meetings. The RSC's had not responded to any of the invitations by end of September 2017.

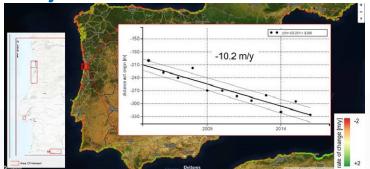
A visit to HELCOM was suggested in a promotional letter "Introduction to the EMODnet geology project" - Unfortunately, this offer did not succeed. The coordination of EMODnet geology is now planning similar offers to the other RSC's.

The Barcelona Convention responded positively to the last invitation to attend our project meeting "Even though we are very interested to participate to this event, our tight schedule does not allow it." We will be in contact with them, and hope that they will attend in the future. Once we have contact with them we will see what they need from us.





## **Project News - coastal behaviour**



Satellite-based analysis of coastline change, shown for Spain, Portugal and southern France (Gerben Hagenaars, Deltares). The central inset plots this change for a location along the northern Portuguese coast. It illustrates that the inherent uncertainty due to pixel size and tidal phase does not preclude a calculation of mean annual coastline migration. The left inset, showing the availability of coastal geological studies (red rectangles) as provided by Portuguese partner IPMA, indicates that there are field studies for validating the satellite data shown in the central inset.

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# Submerged landscapes – new WP - Expected Outcome

A fully attributed multiscale GIS layer of submerged landscape features and palaeoenvironmental indicators will be produced.

Palaeogeographic maps can show the position of former coastlines at different time-frames including the Last Glacial Maximum (LGM).

Where the resolution of underpinning data is high, palaeogeographic reconstructions of the pre-Holocene landscape will be performed by removing the Holocene sediment thickness from the present-day bathymetry.

Paleolakes, paleoshorelines, pre-Holocene landscapes etc.



## **Section 1.4.1**

Task 6: Facilitate interoperability with data distributed by non-EU organisations:

An analysis on interoperability with data (standards and protocols) distributed by non-EU organisations is in progress.

For the moment we are co-operating with Geoscience Australia. This issue will be discussed and further co-operation planned during the Resources for Further Generations conference (Vancouver June 2018), where EMODnet Geology is together with Geoscience Australia sharing a session called "From Continental Shelf to Slope - Mapping the Oceanic Realm"

The main driver for this action is international collaboration between various sea-floor mapping programmes and brainstorming on a road map for future global seafloor mapping initiatives.

We see that the European approach is best tested and well running, a single standard for one continent. Thus, co-operation with similar global initiatives is important at this moment, such that global standards and protocols in acquisition and processing of seafloor data into user-friendly products can be assured.

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## Questions

#### Visual Image, common design of maps?

How about the <u>printed maps</u> (in reports, scientific journals, public, etc.). Shouldn't they also have a <u>common layout</u> 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.

