

Update from EMODnet Geology

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Project Progress: Overview of Deliverables and Milestones (All done)

- Provide an overview of project Deliverables and Milestones, in a GANTT chart or in table by using colour codes

	Months												
	1	2	3	4	5	6	7	8	9	10	11	12	13
Progress reports			D1.1			D1.2			D1.3			D1.4	
Deliverables 2												D2.1	
Deliverables 3						D3.1							
Milestones						M1						M2	M3

D1.1-D1.4: Progress reports; D2.1 Interim report, D3.1: Thematic data products/maps updated on Central portal, M1: Thematic data products updated T0+6 months; M2: Data specification and sourcing ready; M3: Interim report and evaluation of progress;

- Present progress against the planned Deliverables and Milestones
 - Our work proceeds such that data are identified during the first year, submission to WP's start in second half of the first project year, but majority of data is submitted early during the second year.
 - We estimate that we have received about 415.000 square kilometres of new and updated data during the first project year, as well as almost 11.000 kilometres of line data and a few hundred point-data to the different work packages.
 - Most data is **to be submitted** during the **second project year**, estimated by partners to over **1.000.000**, perhaps as much as **1.200.000 additional square kilometres**. This would correspond to about 7 per cent of all EMODnet sea areas. But as we have several data products with areal coverage in different scales and they obviously overlap it is difficult to give any exact percentage of areal increase. Still, we can expect a few per cent of areal increase. Very important is the increase in **data quality and resolution** (updated data).
 - Also, the amount of line kilometres and data points will most probably increase from the first year.
 - We are still working on Caribbean Sea and Caspian Sea data, which are being included in the data products during the second year of the project. More about this on next slide - - >
 - Regarding **metadata** we have until now during this phase received altogether **41997 data points (boreholes and samples)**, from which 29225 are completely new data. Regarding received metadata on geophysical survey lines, we have altogether **55029 lines**, from which 40320 are completely new data.

Progress on data and geographic coverage

HIGH LEVEL overview with respect to your thematic:

- *What data is still **missing** (variables/parameters, geographic areas), in first instance data that you know exists but is not yet available via your thematic, in second instance what data/products are needed but you are not aware if it exists already*
 - Sea areas: Caribbean Sea, parts of Caspian Sea. Parameters: seabed erosion
 - As the Caribbean Sea is a new sea area for us during this phase Caribbean Sea data is still after the first project year missing on the data products on portal.
 - We aim to have Caribbean Sea data from EMODnet geology partners delivered to WP leads by end of Q1 2023 and third party data, especially Caribbean Sea geological surveys (including Cuba, Venezuela, Colombia and possibly the Dominican republic), by end of Q2 2023.
 - As two years is a very short time to start a completely new collaboration, we believe that many data will be delivered during next phase of the project.
 - Data which are believed to be accessed from the Caribbean Sea Coastal partners include coastal geology, minerals and possibly geomorphology, but this has to be evaluated more thoroughly during the second year of the project.
 - A training course/conference on EMODnet Geology for possible Caribbean Sea actors has been discussed
 - In the Caspian Sea we are missing any data suppliers. Contract negotiations with Azerbaijan.
- Major **gaps** (where extra effort needed; what coverage needs to be expanded)
 - Rather equally distributed gaps in the European seas.

Progress on data and geographic coverage

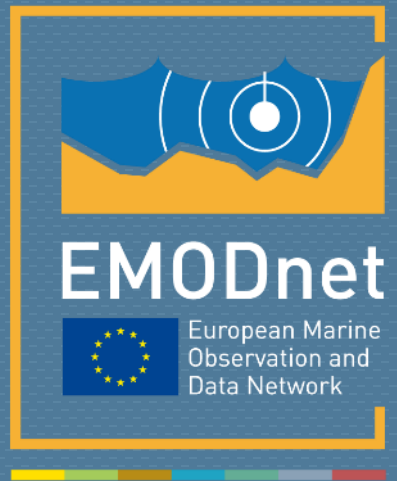
HIGH LEVEL overview from the point of view of your thematic:

- *Overview of why we can't access missing data for unlocking via EMODnet;*
- The perhaps most important reason for the lack of substrate data in any higher resolution is the character of the data itself, it is classed as an issue of national security by some countries, especially Sweden and Finland.
- *What can we do more to ensure these are ingested/opened*
- These data can't be opened as long as Russia is a bordering country to Europe.



That's all, thank you!

- I just want to remind you that we are also actively collecting new data which later feeds into EMODnet. 😊



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