



EMODnet



European Marine
Observation and
Data Network

EMODnet Geology

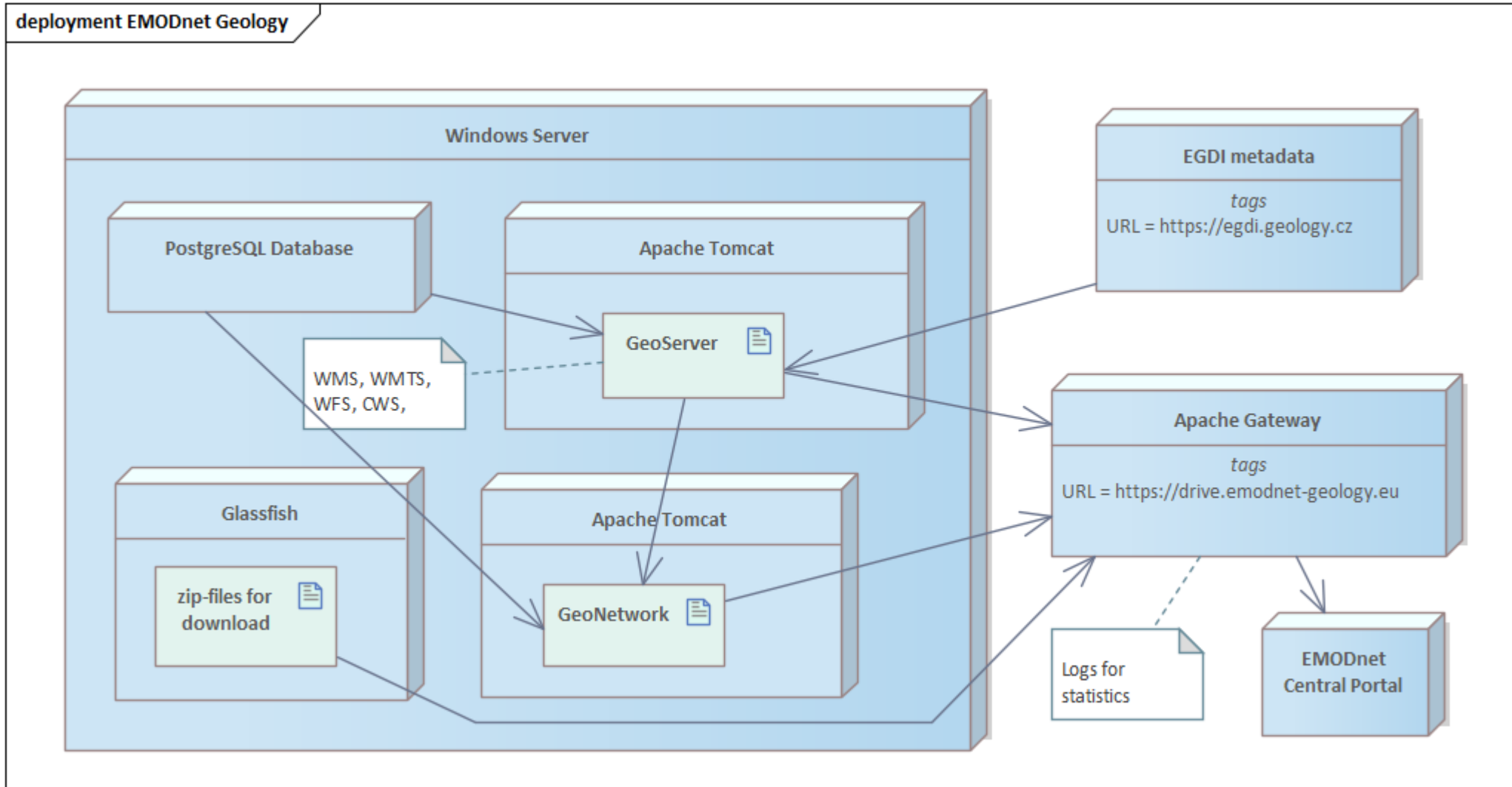
WP9 Data Management, Web Portal and Services

14th EMODnet Technical Working Group
18 October 2023

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Geological Survey of Denmark and Greenland

[https://emodnet.ec.europa.eu/en/
geology](https://emodnet.ec.europa.eu/en/geology)

Architecture



Geology Phase IV ended 24 September 2023

- WPs 3 – 8 have delivered new and updated data, which were added to our geoserver in August and September. 11 new layers have been created. 18 layers have been updated – many with new attributes.
- Minor corrections (mostly about styling) are continuously made.
- Extra data have resulted in performance issues on our geoserver.
- Creative Commons licenses are still needed.

List of new layers

- seabed erosion
- geological event distribution 100k
- geological event distribution 250k
- earthquakes
- quaternary tectonics 100k
- submarine fluid emissions 100k
- tsunami affected
- submarine landslides 100K
- submarine volcanoes 100k
- marine aggregates sub deposits
- marine hydrocarbon sub deposits

Some questions regarding the map viewer

- Why are there two ways to style attributes?
- When is the cache at the Central Portal refreshed? Sometimes changes are visible right away, sometimes it takes days before changes are visible in the map viewer.
- Previously, when new layers were introduced, there were often misunderstandings about the configuration in the map viewer. Have these problems been solved?
- Who may get access to <https://emodnet.development.ec.europa.eu/geoviewer/#> (Can we distribute the password to the WP leaders?).

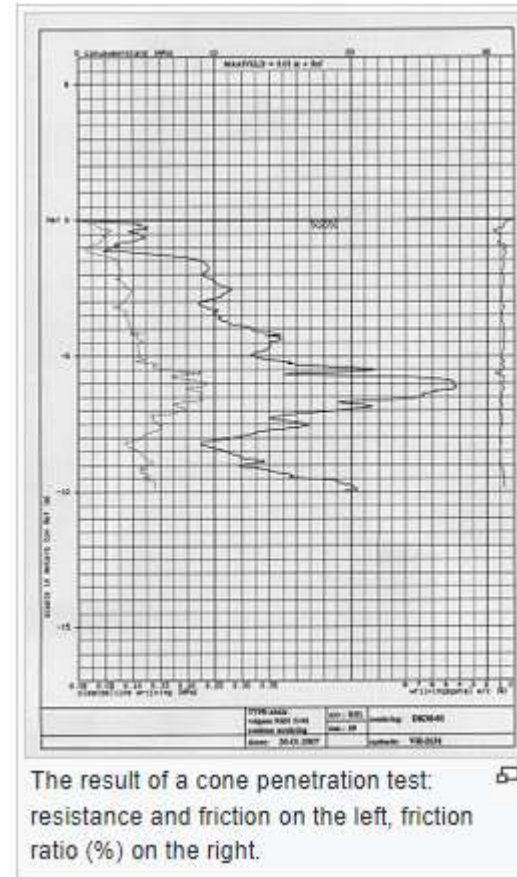
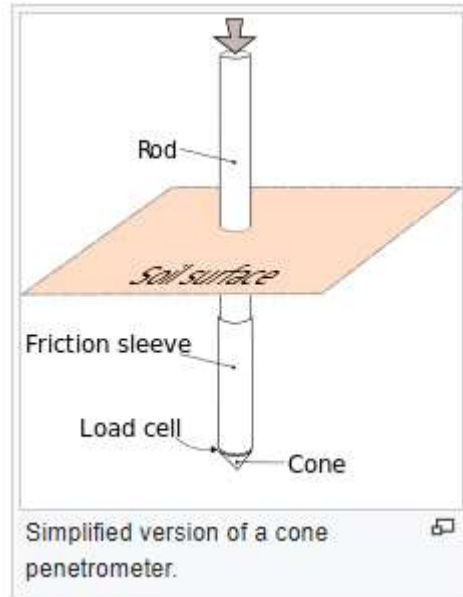
ID	Object ID	Code	Country	Name	Data
1120	1120	DK-001	Denmark		
31165	31936	DK-001	Denmark		

Boreholes and Grabs							
borehole_index							
id	source	description	name	identifier	purpose	drillingmethod	operator
13496737	https://www.geus.dk		DGUNR 570915.3	dk_geus_662824	mineral exploration and extraction	vibrocore	Miljøstyrelsen

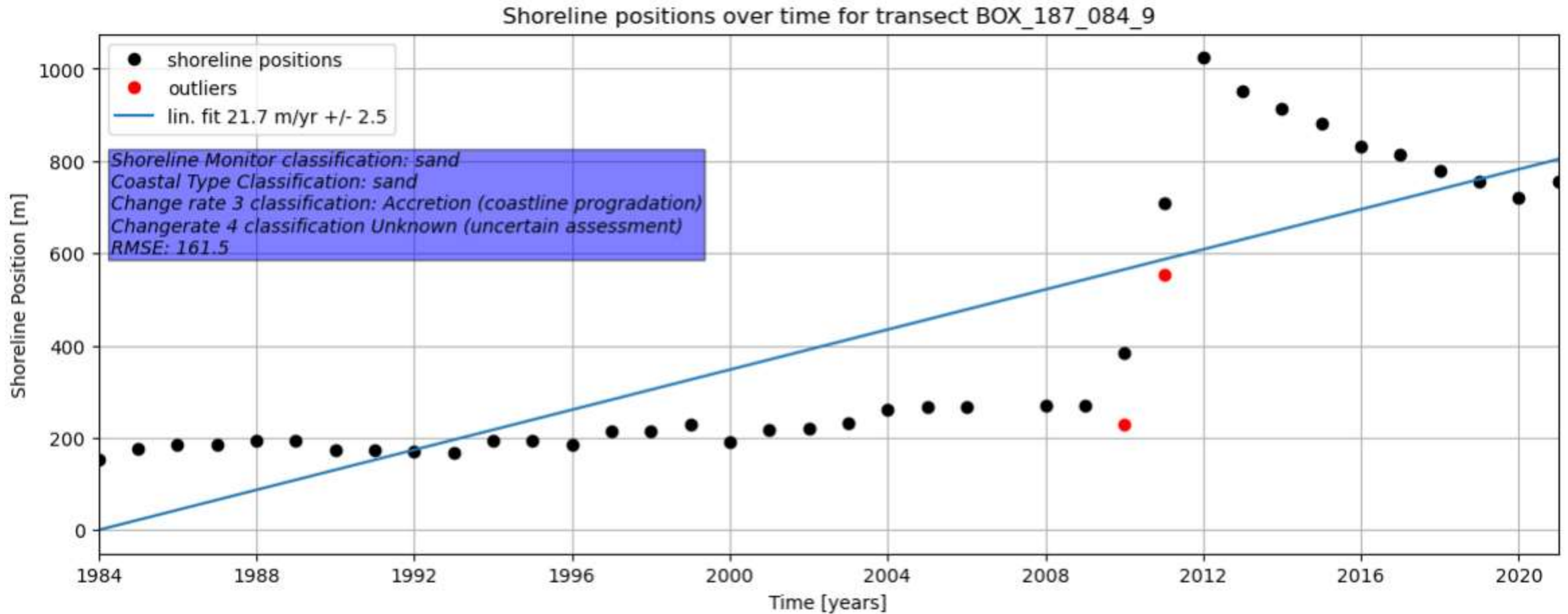
Status on geotechnical data

At the last TWG meeting I mentioned that we were starting to look at geotechnical data (for use in the planning of offshore windfarms and other offshore installations). Since then, several countries have confirmed that they are able to provide these kinds of data. We are still looking for storage possibilities. Preferably, the data (ascii files with CPT data) should be stored in the cloud.

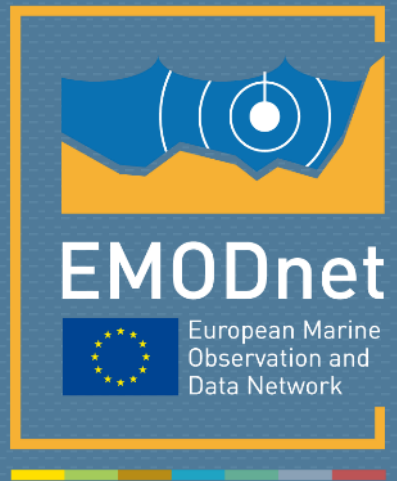
From https://en.wikipedia.org/wiki/Cone_penetration_test



Shoreline positions as timeseries



WP5 wants to implement this. Data are already stored in a cloud solution.
How do we ensure that these data can be handed over to a new contractor?



emodnet.ec.europa.eu

Your gateway to marine data in Europe

