



# EMODnet Geology

15th EMODnet Steering Committee Meeting  
8-9 September 2021

Henry Vallius  
Bjarni Pjetursson

Geology  
<https://www.emodnet-geology.eu/>

# Status update - Geology

Achievements: **This phase ends in two weeks from now**

- Update of **sedimentation rates** data was published on 27th April 2021 together with a News Release.
- New EMODnet Geology map on **coastal type** was published on 27th May 2021.
- Update on the “**Submerged Landscapes**” data product was published on 24<sup>th</sup> June 2021, with an additional update next week.
- Update of the **Seabed substrates** data product will be released tomorrow on 9<sup>th</sup> September 2021.
- WP4 **Seafloor geology** updates will be released next week.
- All products are updated by 24<sup>th</sup> September

Meetings:

- EMODnet Jamboree June 2021
- EMODnet Geology thematic meeting 17. June 2021



Challenges: in getting subcontracts with Caspian Sea parties, now subcontracts with 2 parties: Kazakhstan (Atyrau Oil and Gas University) and Azerbaijan (Azerbaijan Geographical Society)

# Cross-Thematic Interactions

- Geology, Bathymetry and Seabed habitats lots - cross-thematic session 18.6.2021
- Discussions on seabed substrates with a short introduction by A.K. (GTK),
- the Caspian Sea situation, mainly the availability of data
- Our Russian subcontractor VSEGEI has gathered bathymetric data from the Russian and Azerbaijan sectors of the Caspian Sea for use by the Seabed habitats lot during the next phase

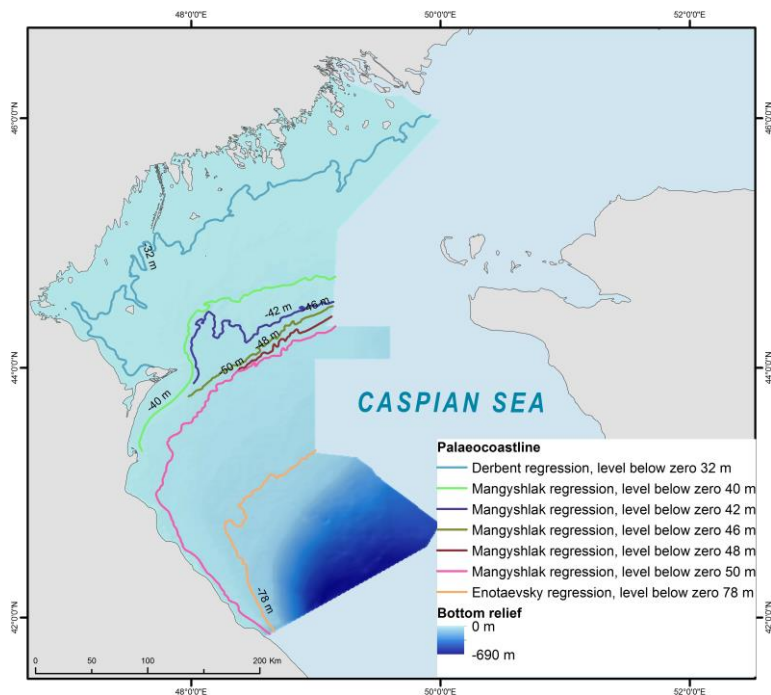


Figure: paleocoastlines and bathymetry from the Russian sector of the Caspian Sea and

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## External interactions

- In the 2<sup>nd</sup> quarter, we consulted the European Plate Observing System (EPOS) group to harvest on their experience and resulted in creating a normalized and denormalized data model for use in future metadata index contributions starting from next phase of the project.
- GeoHab 2021- Europe and Africa node. Multidisciplinary conference to exchange knowledge and ideas for a sustainable ocean management and mapping (120 participants) 5<sup>th</sup> May.
- Meeting of institutions contributing to Italian WP6 deliveries (Geological events and probabilities) (CNR-ISMAR, OGS, Universities of Genova, Palermo and RomaTRE) on 18th May 2021.
- Seabed substrates product for the habitats map of EMOD-PACE (WP4)
- Coastal erosion analysis of WP5 of EMOD-PACE

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# Future Outlook

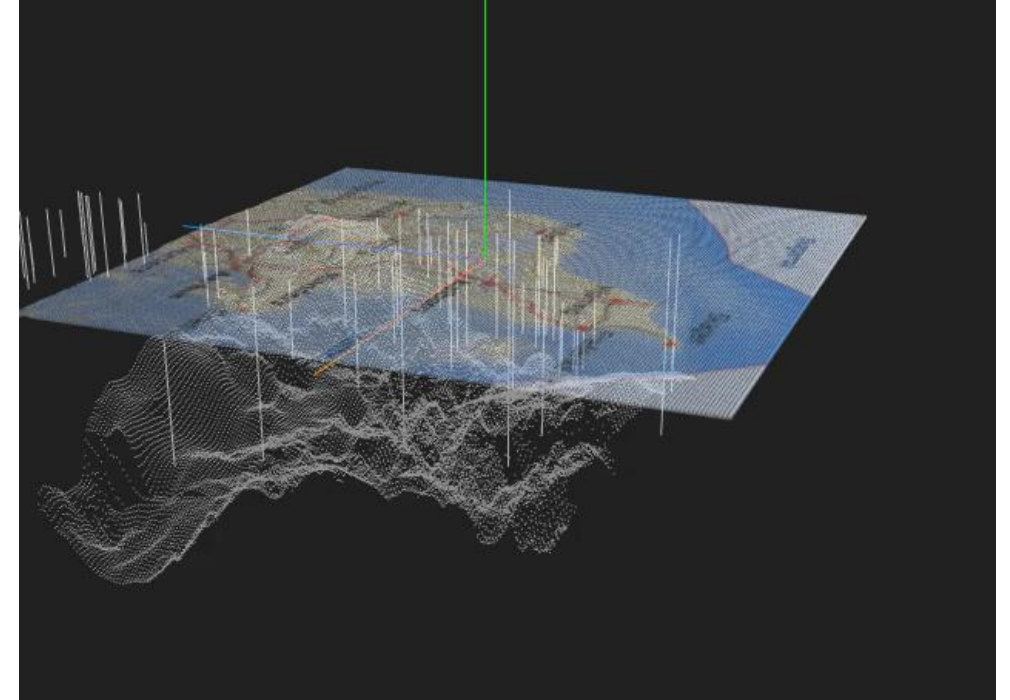
- Our contract ends in two weeks from now. All our products are or will be updated by 24.9 when the contract ends. All products will include data also from the Caspian Sea.
- The new contract will start 25.9 with a remote kick-off meeting on 11-12. October
  - Most important: Migration to CP
  - Kick-off meeting: We will decide upon general work plans for the entire project and detailed activities for the next six to twelve months
  - Special attention will be put on the new geographical area; the Caribbean Sea as well as on the new parameter to report; erosion
    - ✓ We have several partners and subcontractors with own data from the Caribbean and additional data will be mined from available sources such as scientific literature
    - ✓ Erosion and how to report it will be discussed and agreed upon. WP 3 (Seabed substrates, sediment accumulation) has during two earlier phases tested modelling of sedimentation in larger sea areas. A similar approach will be tested also on erosion, based on measured rates in test areas.

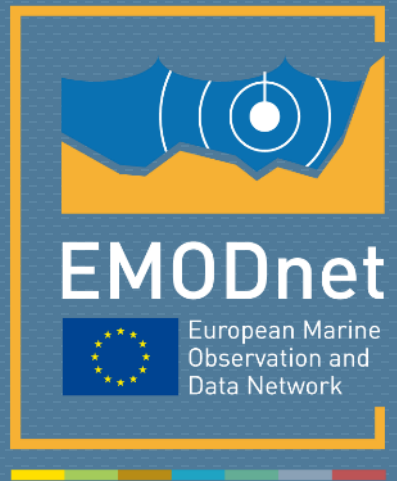
# Technical Outlook

- Migrating will be 1st priority and take most of our time...

## Small-scale experiments:

- Test new ways of presenting data
  - 2½D (see video)
  - Other graphic tools?
- Dynamic legends
  - Legends should be more adaptable to current views
  - More interpretation guidance for users





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