



# atlas

UNDERSTANDING DEEP ATLANTIC ECOSYSTEMS



## Shape in a drape

### Final General Assembly



J. Rivera\*, C. Orejas \*, & MEDWAVES Team

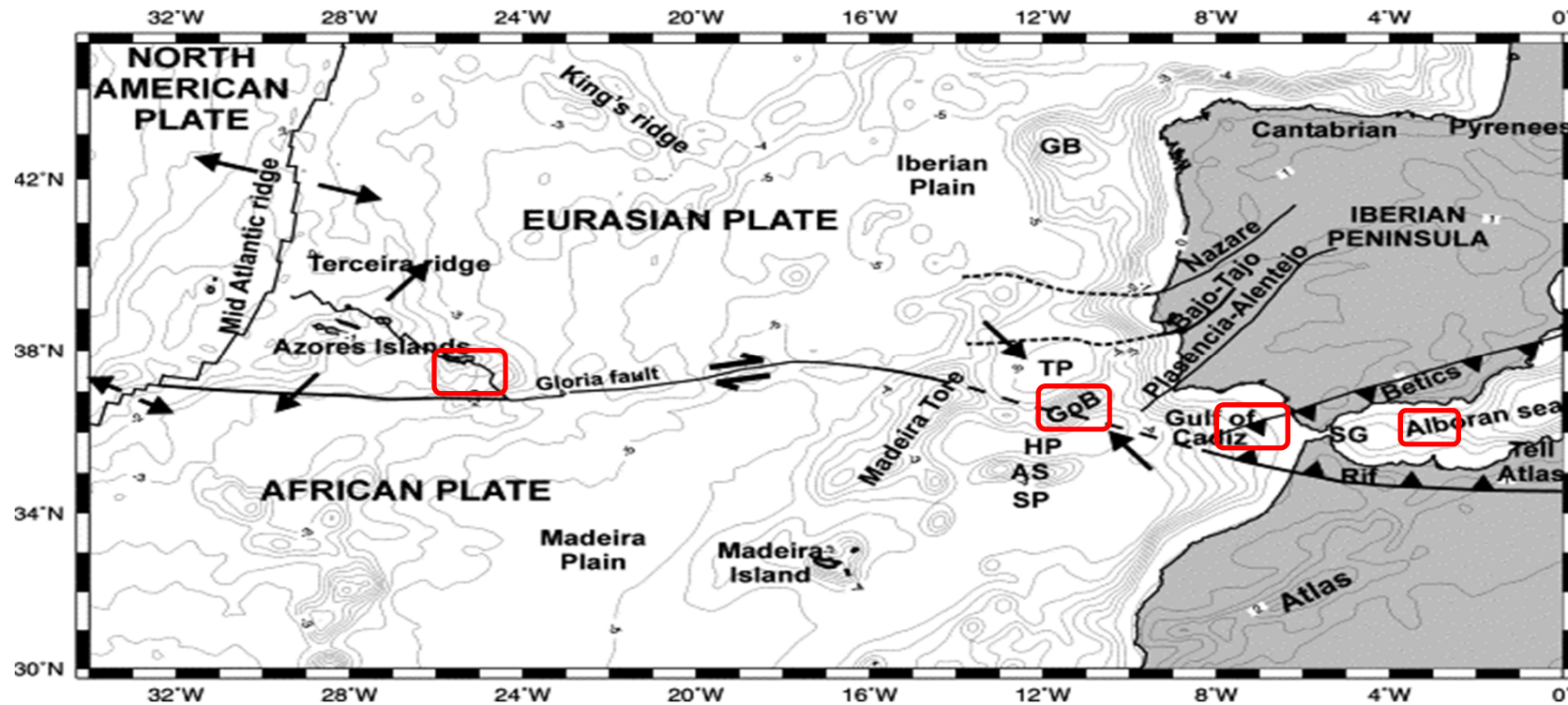
\*Instituto Español de Oceanografía



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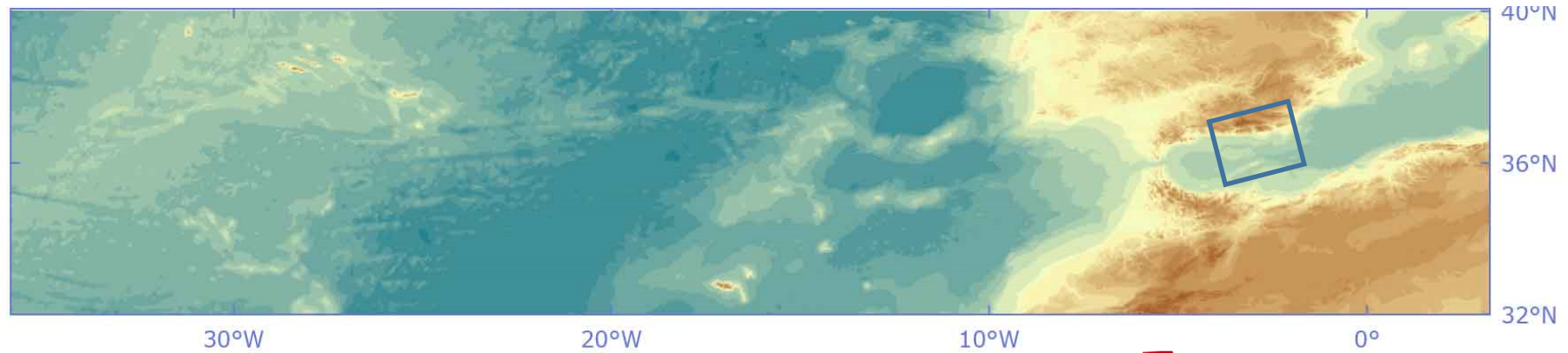
[www.eu-atlas.org](http://www.eu-atlas.org)

# Geological setting

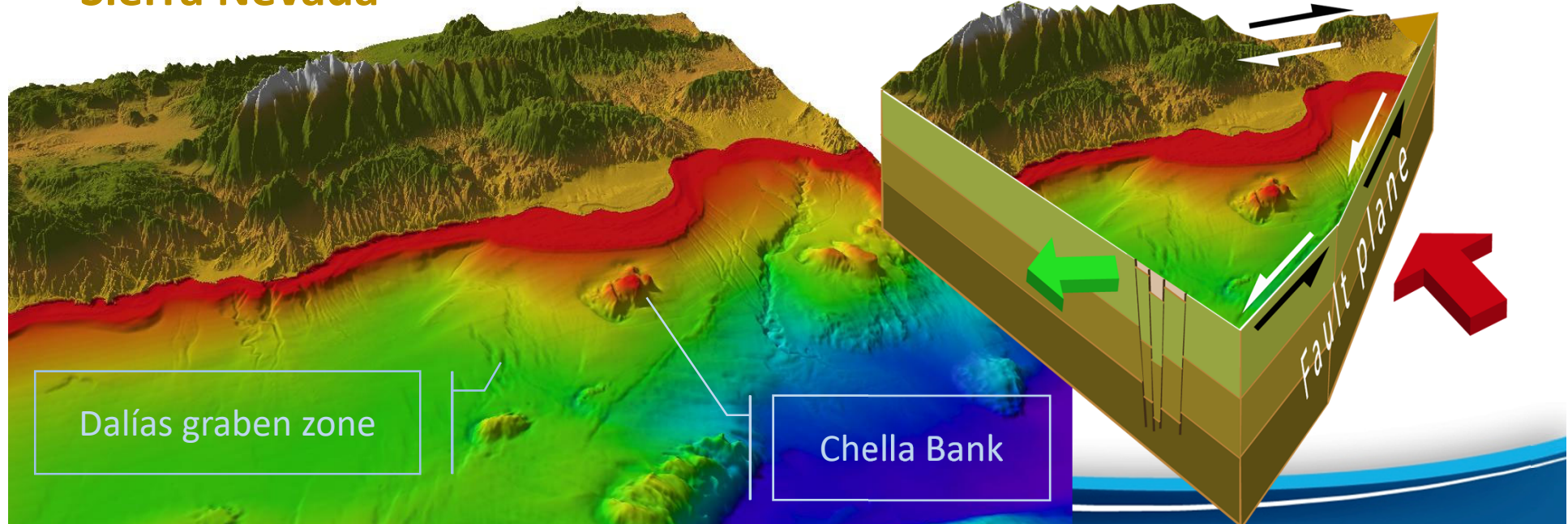




## Chella Bank

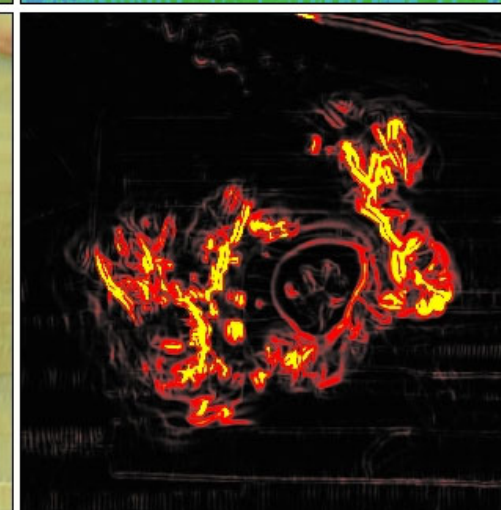
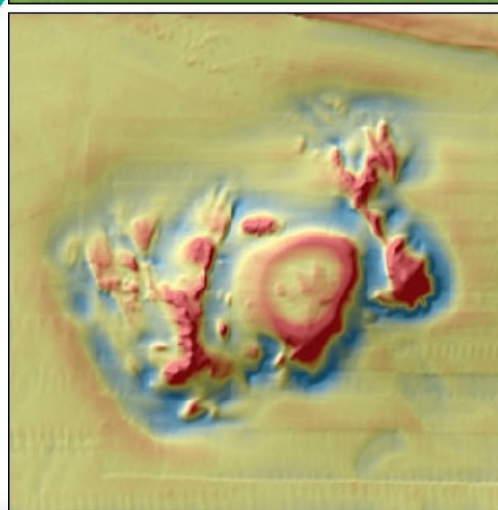
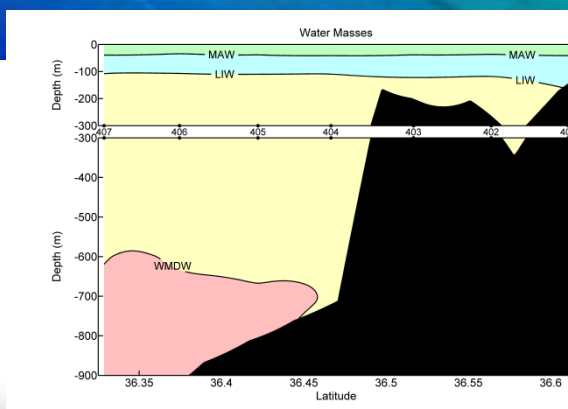
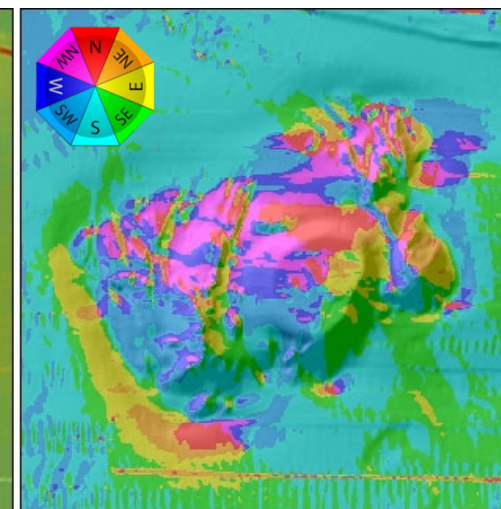
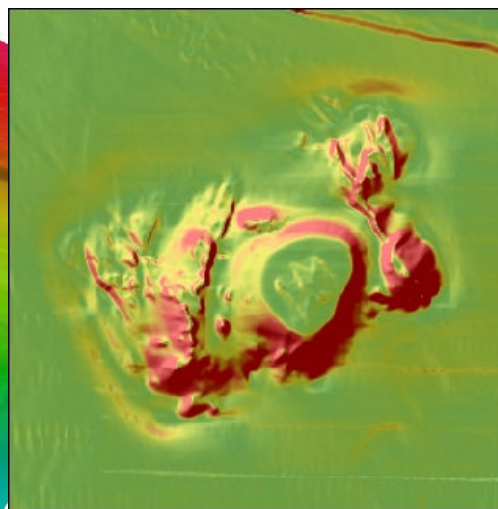
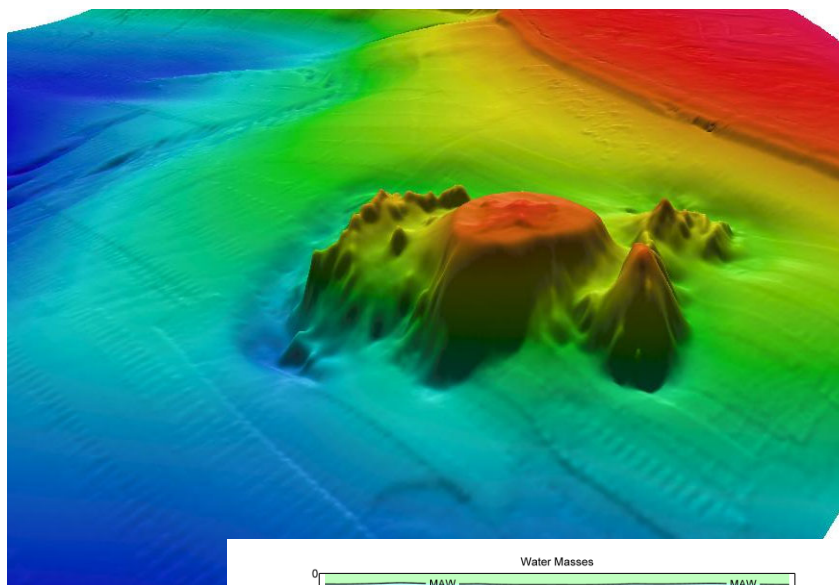


## Sierra Nevada





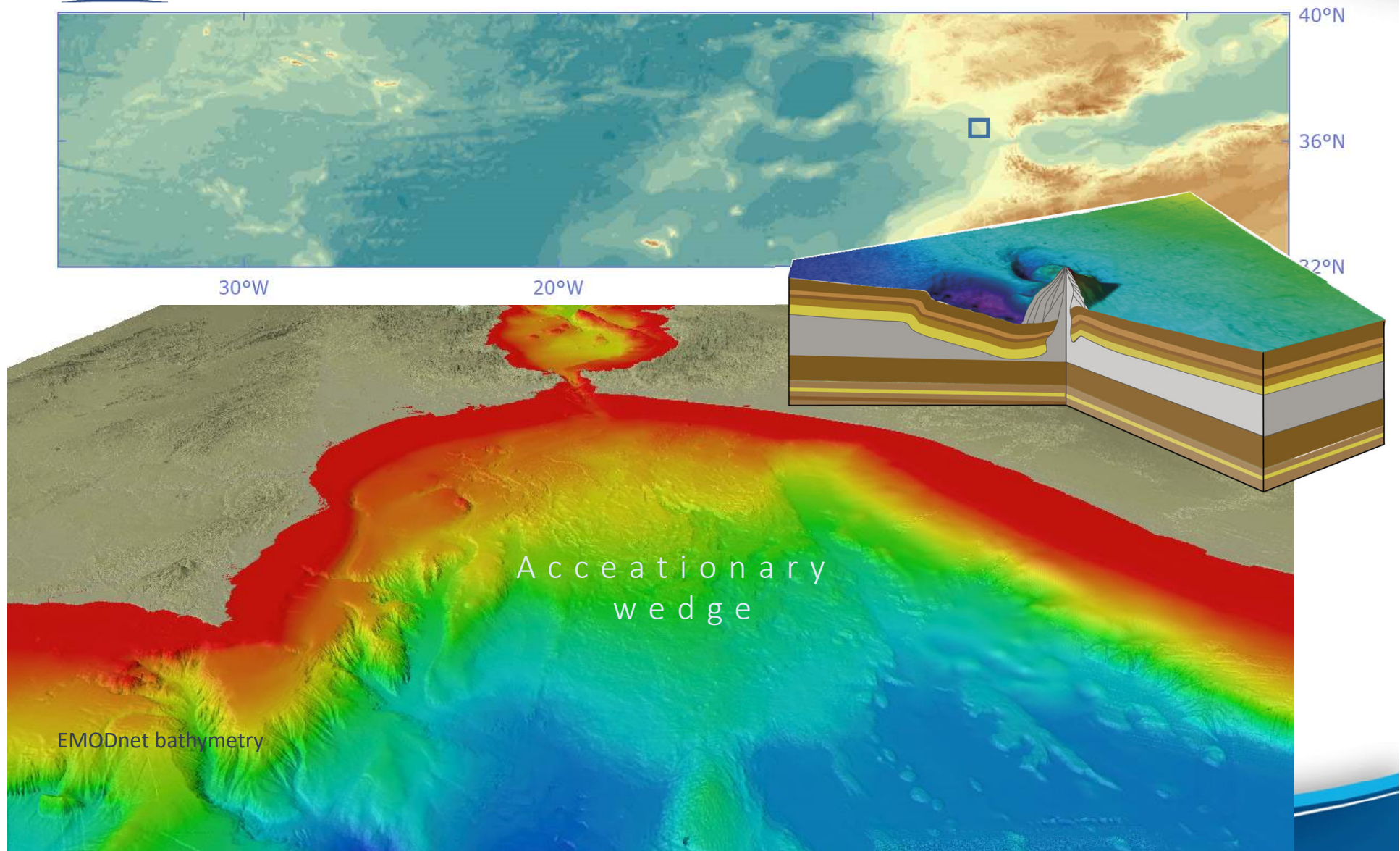
## Chella Bank





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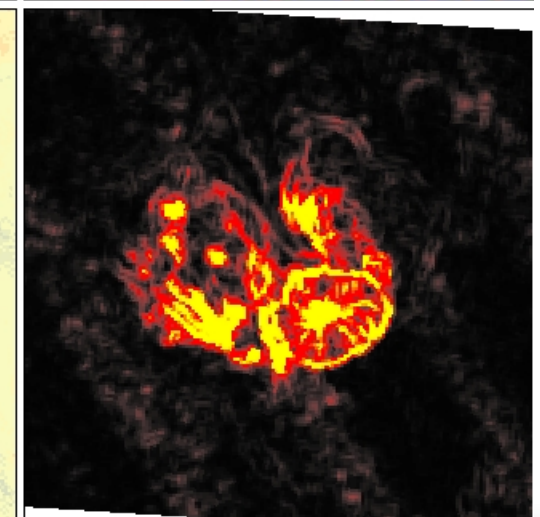
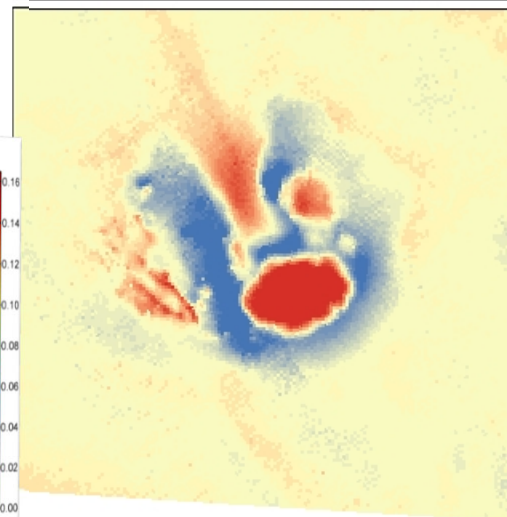
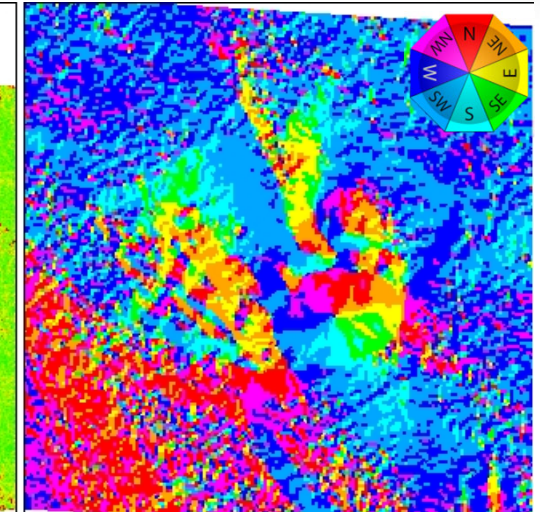
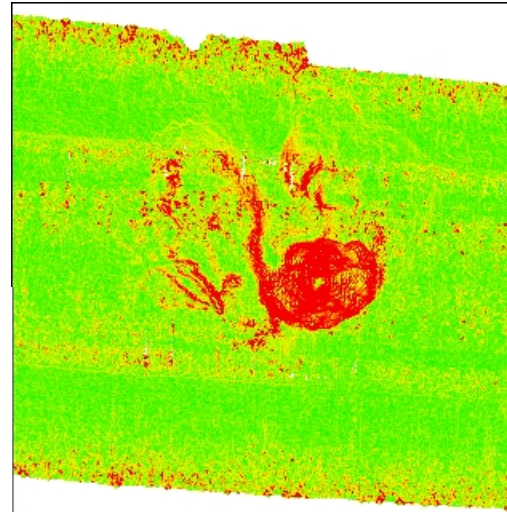
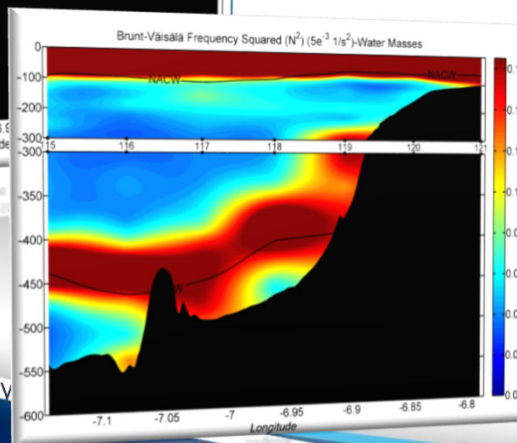
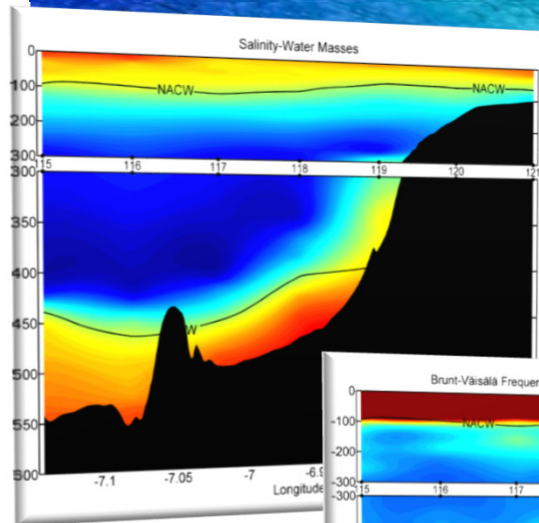
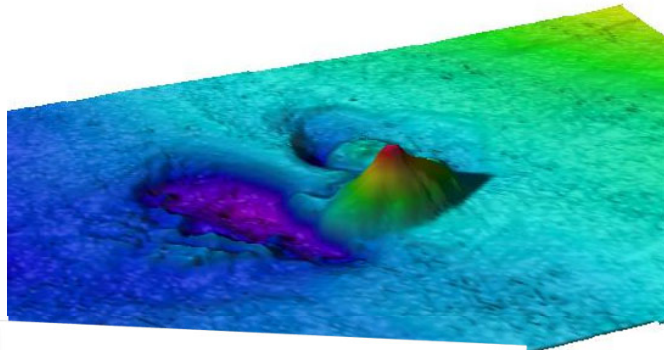
# Gazul Mud Volcano





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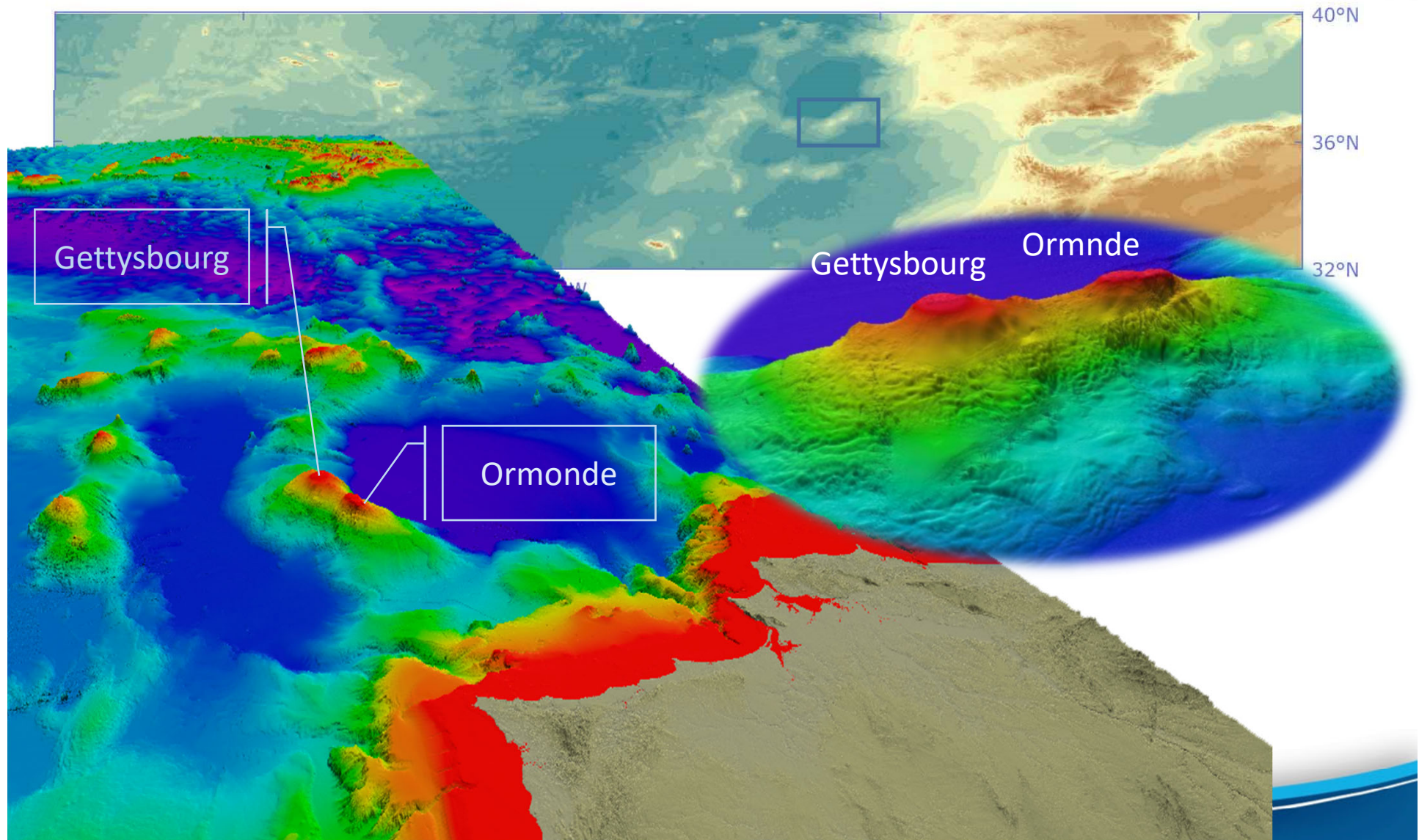
# Gazul Mud Volcano



EMODnet bathymetry

[www.eu-atlas.org](http://www.eu-atlas.org)

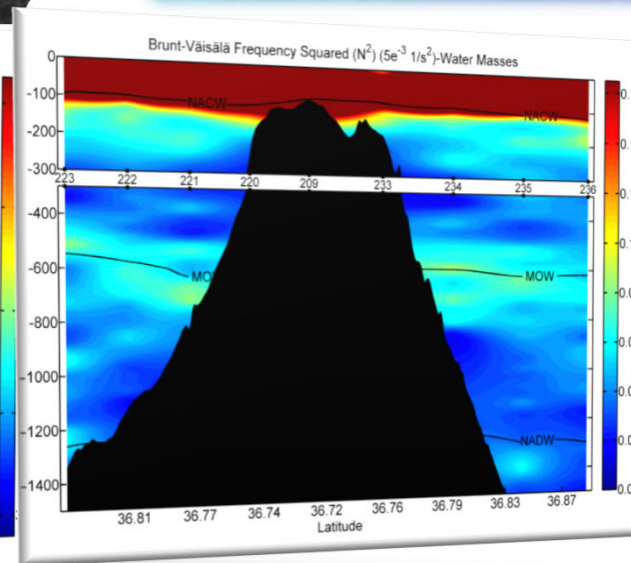
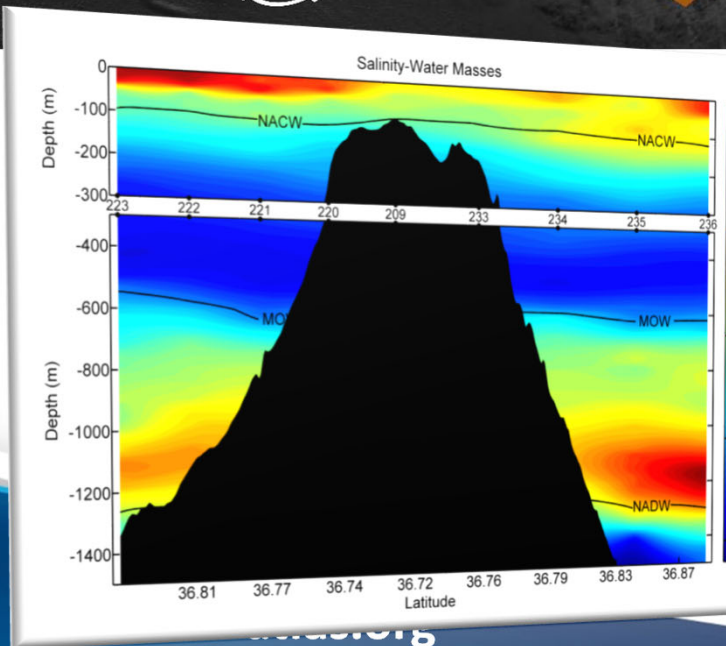
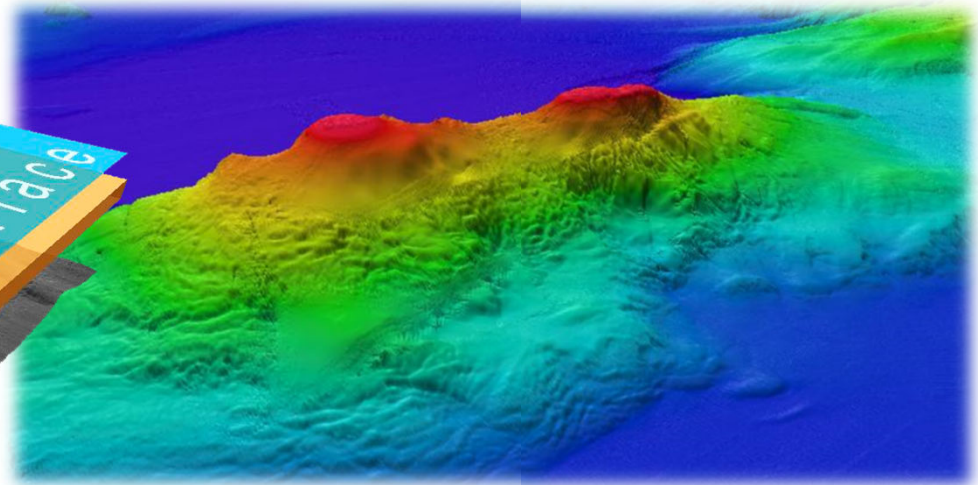
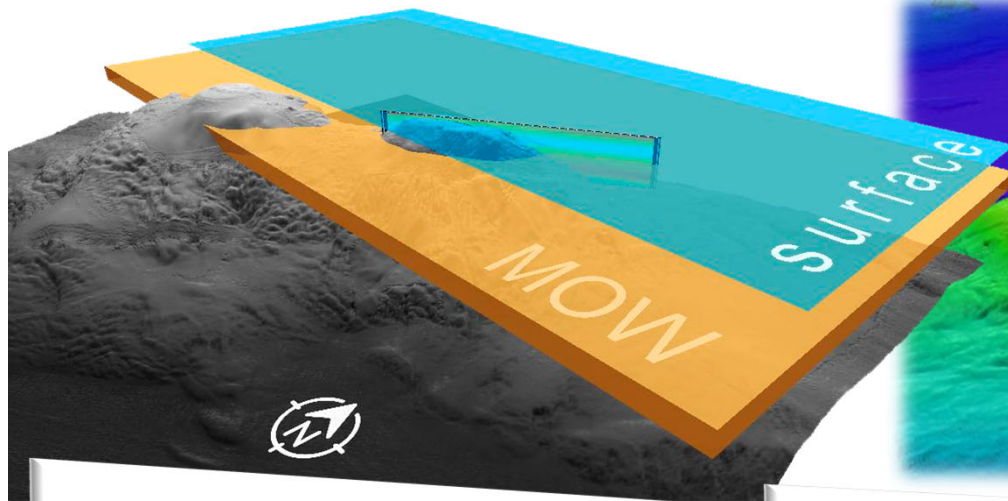
## Gorringe Ridge





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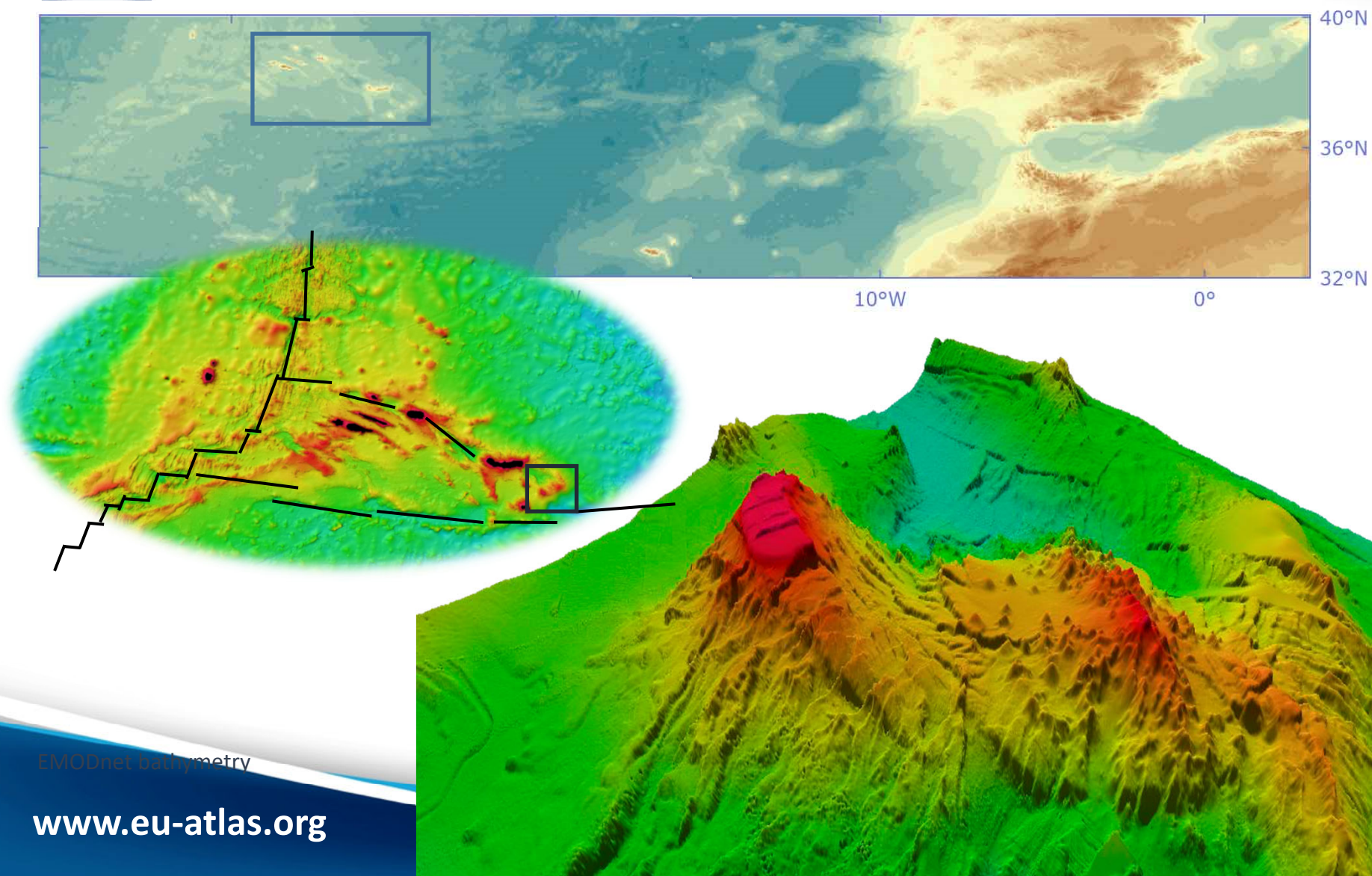
# Gorringe Ridge



$$N = \sqrt{-\frac{g}{\rho} \frac{\partial \rho}{\partial z}}$$

$$\phi = \sqrt{\frac{\sigma^2 - f^2}{N^2 - \sigma^2}}$$

# Formigas Bank



EMODnet bathymetry

# Formigas Bank

