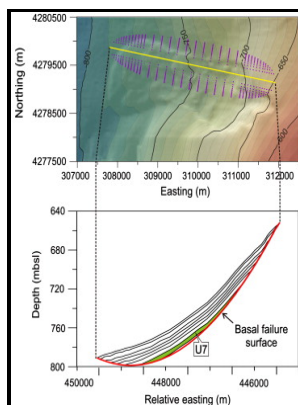


Salt tectonics and basement fractures - key controls of Recent sediment distribution on the Balearic Rise, western Mediterranean

Smithsonian Institution Press - Salt tectonics and crustal tectonics along the Eastern Sardinian margin, Western Tyrrhenian: New insights from the "METYSS 1" cruise



Description: -

-
Geology -- Western Mediterranean.

Geology, Stratigraphic -- Recent.

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Symposium (Freiburg im Breisgau, Germany) -- 101.

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Notes: Bibliography, p. 50-52.

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Influence of differential compaction above basement steps on salt tectonics in the Ligurian

Grey line A—B marks the bathymetric profile shown in inset which highlights the steep continental slope. The processing sequence is described in Medaouri et al. In some place, the apparent lack of PmP and the reflectivity observed at normal incidence suggest the crust to mantle transition is smooth with thin embedded layers.

Seismic imaging of Late Miocene (Messinian) evaporites from Western Mediterranean back

Our results show that the magmatic evolution of rifted margins is complex and cannot be characterized based on the volume of observed magma alone.

Mediterranean Seafloor Features: Overview and Assessment

The Moho depth is well constrained between km-0 and km-20.9. How to cite: Zalai, Z. The event that caused salt deposition towards the end of the MSC, while the upper evaporite gypsum and clastics were deposited in the deep basins, can be considered a regional event in the Western Mediterranean.

Mud Redepositional Processes as a Major Influence on Mediterranean Margin

It is coeval, within dating uncertainties, with the emplacement of a megaturbidite in the Balearic Abyssal Plain and immediately predates a major avulsion of the Rhone turbidite channel that led to the emplacement of an avulsion lobe the neofan on top of the RWMTD. Rollover structures are well developed at the base of the Sardinian slope, as the MSC units were continuously deposited both in the deep basins and its margin.

Mud Redepositional Processes as a Major Influence on Mediterranean Margin

This timing suggests that both the exhumation of the EMM and the development of wedge-top basins are related to the westward translation of the Alboran domain. The Back-arc basin was generated by the southeast trench retreat of the Apennines-Calabrian subduction zone.

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