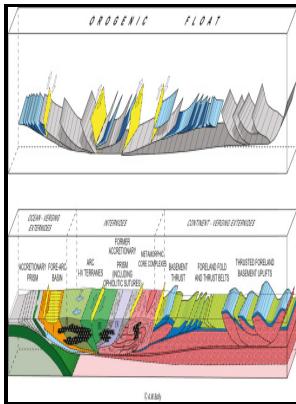


Salt tectonics and basement fractures - key controls ofRecent sediment distribution on the Balearic Rise, western Mediterranean

Smithsonian Institute Press - Seismic imaging of Late Miocene (Messinian) evaporites from Western Mediterranean back



Description: -

- Geology -- Western Mediterranean.
Geology, Stratigraphic -- Recent.
Marine sediments -- Western Mediterranean.Salt tectonics and basement fractures - key controls ofRecent sediment distribution on the Balearic Rise, western Mediterranean

- Symposium (Freiburg im Breisgau, Germany) -- 101.
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Tags: #Mechanisms #of #sediment #transport #and #dispersion #in #a #tectonically #active #submarine #valley/canyon #system #Zakynthos #Straits, #NW #Hellenic #Trench

Mechanisms of sediment transport and dispersion in a tectonically active submarine valley/canyon system: Zakynthos Straits, NW Hellenic Trench

Some propagators show pulses in the rate of continental break-up propagation highlighted by the geometry of magnetic anomalies.

Mediterranean Seafloor Features: Overview and Assessment

In connection to the above, or not, it has evolved a complex magmatism, from a compositional point of view and as manifestation, largely calc-alkaline, known in the geological literature as banatic von Cotta, 1864. Earlier studies show that the evolution of both marginal ridges CT and ICGR was mainly influenced by 1 tectonic uplift due to Late Albian-Cenomanian transpressional tectonics and 2 flexural uplift due to erosion and thermal changes caused by the passage of the oceanic spreading center. Studies based on laboratory experiments report pure halite seismic velocities of 4500 m s --^1 , gypsum and anhydrite velocities of 5700 m s --^1 and 6500 m s --^1 , respectively.

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

The total thickness ranges between zero and c.

Major modification of sediment routing by a large Mass Transport Deposit in the Gulf of Lions (Western Mediterranean)

This article is one of a series of papers published in this CJES Special Issue on the theme of Mesozoic—Cenozoic geology of the Scotian Basin. SF12 and WS10 datasets are characterized by a vertical resolution of 2. They result from lateral and frontal collapse during the late stages of the EMM exhumation e.

Geophysical evidence for a transform margin offshore Western Algeria: a witness of a subduction

Occurrence of magmatic rocks were found on a set of offshore wells at different depths and away of submarine highs. Compared to the starting model, our model shows improved alignment of the velocity variations along the steeply dipping normal faults and a sharp velocity contrast across the S-reflector. The SPIRAL and industrial MCS lines used to draw this sketch are indicated with thin black lines.

Mud Redepositional Processes as a Major Influence on Mediterranean Margin

Inputs for a revised Mesozoic-Cenozoic scenario All the features presented above must be explained either by the structural inheritance, i.

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