

Central part of the Danube basin in Slovakia: Geophysical and geological model in regard to hydrocarbon prospection

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Abstract

The Danube Basin spreads on the territories of Austria, Hungary and Slovakia. In this paper I focus on the large central part of the basin on Slovak territory. Until recently, little was known about the lower part of the Neogene fill. Reprocessing of previous reflection-seismic profiles and measurements of newer ones have led to a better understanding of the lower structure of the basin. Moreover, new significant features of the basin structure have been revealed in areas not covered by seismic survey before.

**The role of hierarchy and periodicity in the Earth's evolution
(Synergetics in Geosciences)**

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Abstract

The summarization of the author's papers supplies a novel view of the rules governing the hierarchical and periodical division of rupture system in the Earth's crust, their development and the evolution of the Earth. Much thought is being given to the periodical and hierarchical division of the geological time table and the evolution of life on the Earth.
