

Ankara Mélange: Cretaceous Ophiolitic Mélange in Northern Anatolia

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The so called ‘Ankara Mélange’ belt is one of the cornerstones of the İzmir-Ankara-Erzincan suture belt that links the Vardar (Balkans) to Sevan-Akera (Armenia) zones in the understanding the Mesozoic Evolution of Tethys in Anatolia (Turkey). This tectonic belt is a Mesozoic accretionary wedge that is made up of imbricate piles of various tectonic slices of Cretaceous North Anatolian ophiolitic mélange, Palaeozoic–Triassic metamorphics and Triassic Karakaya Complex with Cretaceous–Paleogene accreted basins.

The session aims to fulfill a gap in the understanding of global tectonic evolution of the Tethyan Ocean by analyzing of the components of the Cretaceous accretionary complex and its ophiolitic mélanges in northern Anatolia with world-wide analogues examples.