

Hungarian Paleogene Basin (Tard Clays), Slovenian Basin (Socka Beds), Central- and Outer Carpathian basins (Menilite shales) and Austrian foreland basin (Häring Beds), Transylvanian Basin (Ileada Shale), etc. Nevertheless, the central Paratethyan basins were reconnected with the Mediterranean Tethys, and this is indicated by the Lower Oligocene biohermal limestones containing nummulitids in the Slovenian and Hungarian Paleogene Basins (Gornji Grad Beds, Szépevölgy Limestones), but not/or very rarely from the the Central-Carpathian Paleogene Basin. On the other side, the Spiratella-rich fauna of the Hungarian Paleogene Basin (Tard Clay) provide evidence of the cold-water influence of the Boreal Sea. This implies that Tethyan-Boreal communication, most likely via the Mid-Hungarian corridor and Slovenian Strait, which is indicated by the mixed mollusc fauna in the Kiscellian Clay (Báldi, 1984).

The intra-Carpathian system of the Paleogene basins was disturbed during plate-tectonic reorganization of the ALCAPA terranes. The Slovenian and Hungarian Paleogene basins were accommodated more southerly, and later on they have been shifted to their present position (Czontos et al., 1992). The Hungarian and Central-Carpathian Paleogene basins are quite different (epicontinental-type basin vs. marginal basin of the Carpathian Flysch Sea), exhibiting no direct paleogeographical connection between them. The northern limit of the Hungarian Paleogene Basin is inferred in the Šahy antiform, which represents a nearshore zone of the Kiscellian Sea containing sebhka-type facies (Vass, 2003). The Central-Carpathian Paleogene Basin was confined with the Veporic borderland. It is most likely that the Hungarian and Central-Carpathian Paleogene basins came to tectonic juxtaposition due to NE-directed displacement of the Pelso Unit (Nagyvarosy, 1990). This unit attained its present position

by tectonic and rotational movement since the Late Oligocene to Early Miocene (Vass et al., 1996). This is also the case in the Hungarian and Transylvanian Paleogene basins, which were jointed by large-scale tectonic movement of the ALCAPA and TISIA-DACIA blocks.

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