

THE EOCENE/OLIGOCENE BOUNDARY IN THE TRANSYLVANIAN BASIN

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Summary

The sedimentary rocks of the Eocene/Oligocene boundary in the Transylvanian basin have been studied by several authors. The present studies concern the sediments in the marginal area of the Munții Gilăului, east of the Mezeș Mts, south of the Ticău and Preluca crystalline masses, in the southern marginal area of the Munții Rodnei and in the Munții Bîrgăului.

The investigations of the sequences suggest a paleobiological change in the horizon of the Hoia-beds within the Transylvanian basin. These beds yielded mollusc species characteristic to the Upper Eocene or exclusively to the Oligocene.

The nannoplankton studies made clear, that the NP 21 zone starts with the upper third of the Brebi, or Bryozoa-bearing Marl. The NP 22 zone can be identified at the horizon of the Hoia-beds.

The s. 1. Lower Rupelian /Upper Tongrian/ beds are represented with the Hoia-beds in the Transylvanian basin. The local developments /e.g. Cămărna beds, Ciglean beds/ can also be ranged here. The strictly, classically developed Oligocene starts with the Mera beds.

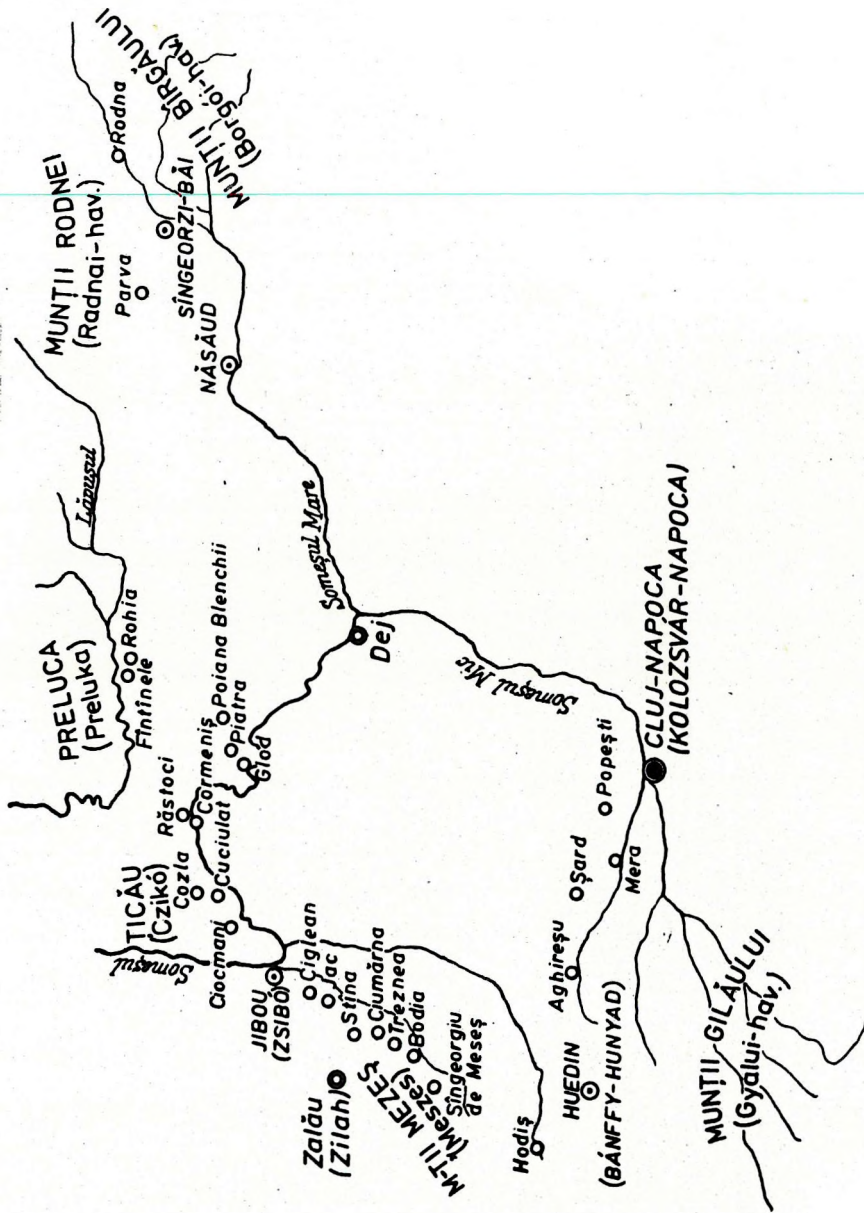
FIGURE CAPTIONS

Fig. 1: Tabulation of the Eocene and Oligocene formations of the Transylvanian basin

Fig. 2.: Sketch-map on the studied areas of the Transylvanian basin.

KOR	Bordura M-ții Giăului Gyalui-havasok pereme	Bordura estică a Mezeșului Meszes-hegység keleti pereme	Sud de Preluca Prejukától déltre	Bordura su- dică a Rodnei Radnai-hav. déli pereme	Munții Bîrgăului Borgói-hav.	Nanno- plank- ton zónák	Eme- letek
OLIGOCÉN	Stratele de Mera Mérái-rétegek	Ciocmani-Csokmány-rét. Curtuiuși-Révkörtvélyesi-rét.	Str. de Cucuiat Kucsulata-rét.	Strate de Parva Párva-i-rétegek	Strate de Parva Párva-i-rétegek	NP 22	Rupélli s.l.
	Stratele de Hoia Hójai-rétegek	Ciglean- Hójai- mészás- rétegek	Calcarui de Cozia Kozlár-mészkövek				
E O C E N	Brebi-Brébi márga (Bryozoás márga-rétegek)		Strate de Parva Párva-i-rétegek		NP 21		Lattorfi
	Nummulites fabianii szint		Strate de Parva Párva-i-rétegek				

1. ábra



2. ábra