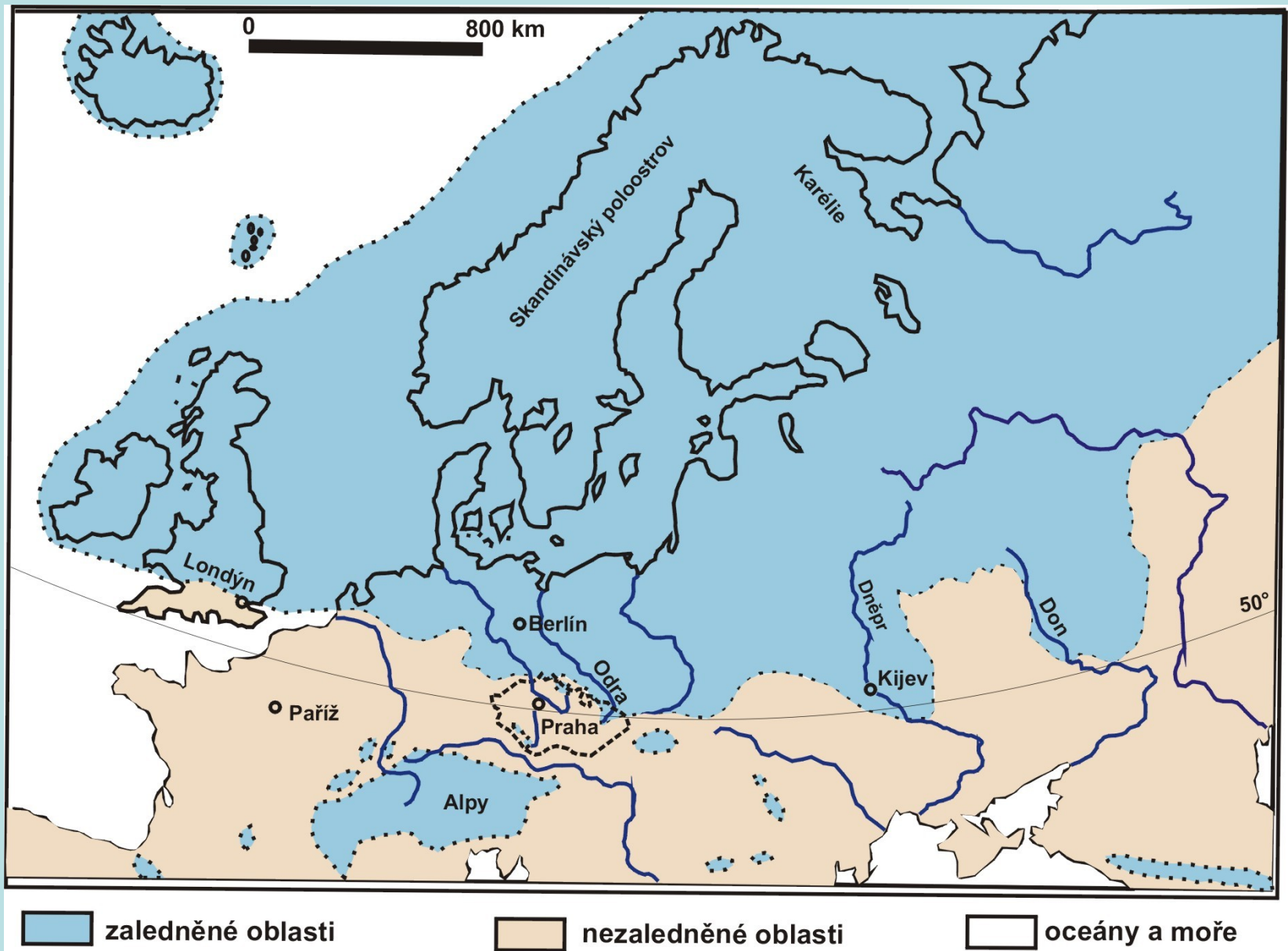


Pleistocene continental glaciation in the Czech Republic

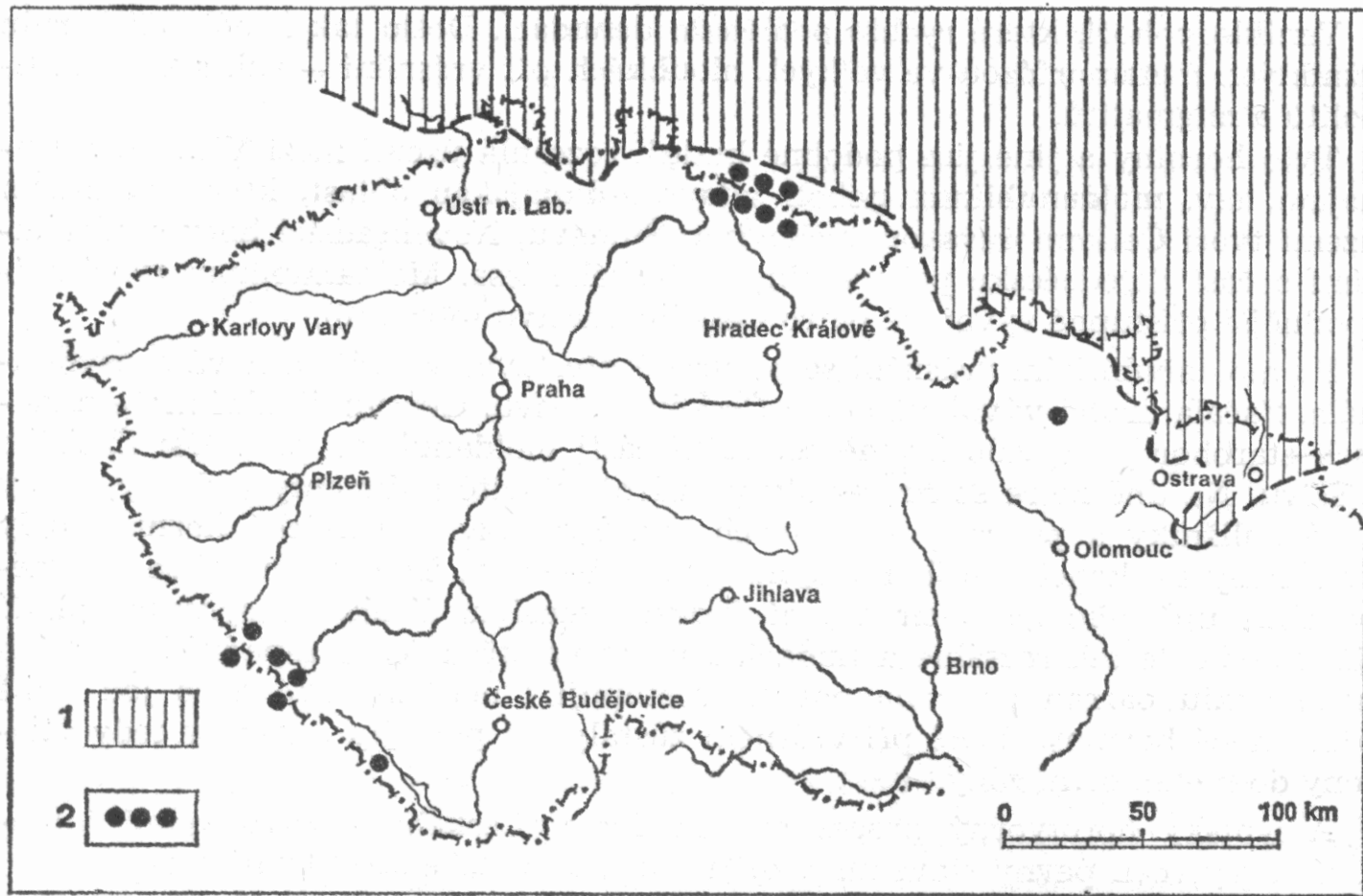
Martin Hanáček



glaciation regions

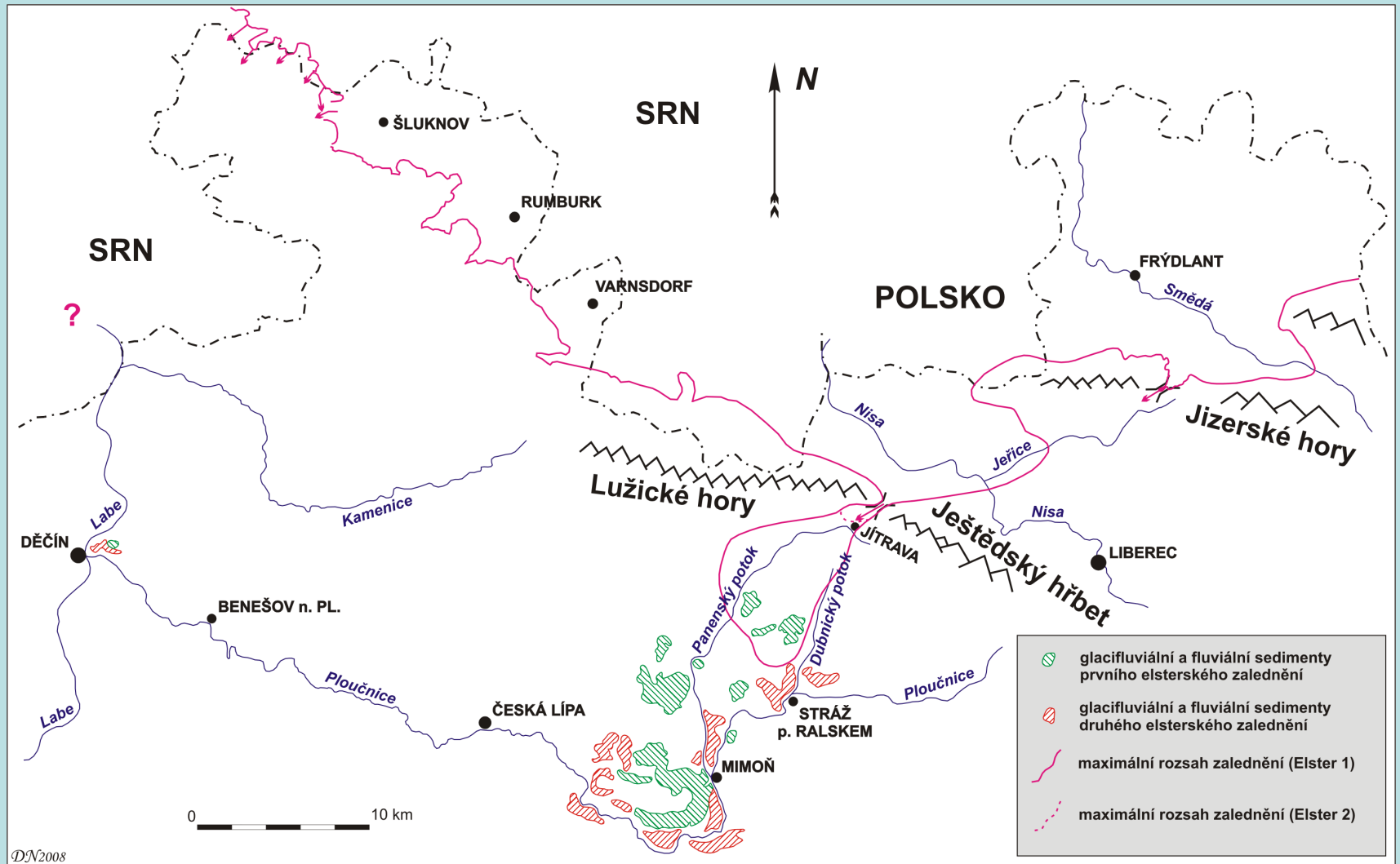
nonglaciation regions

oceans and seas



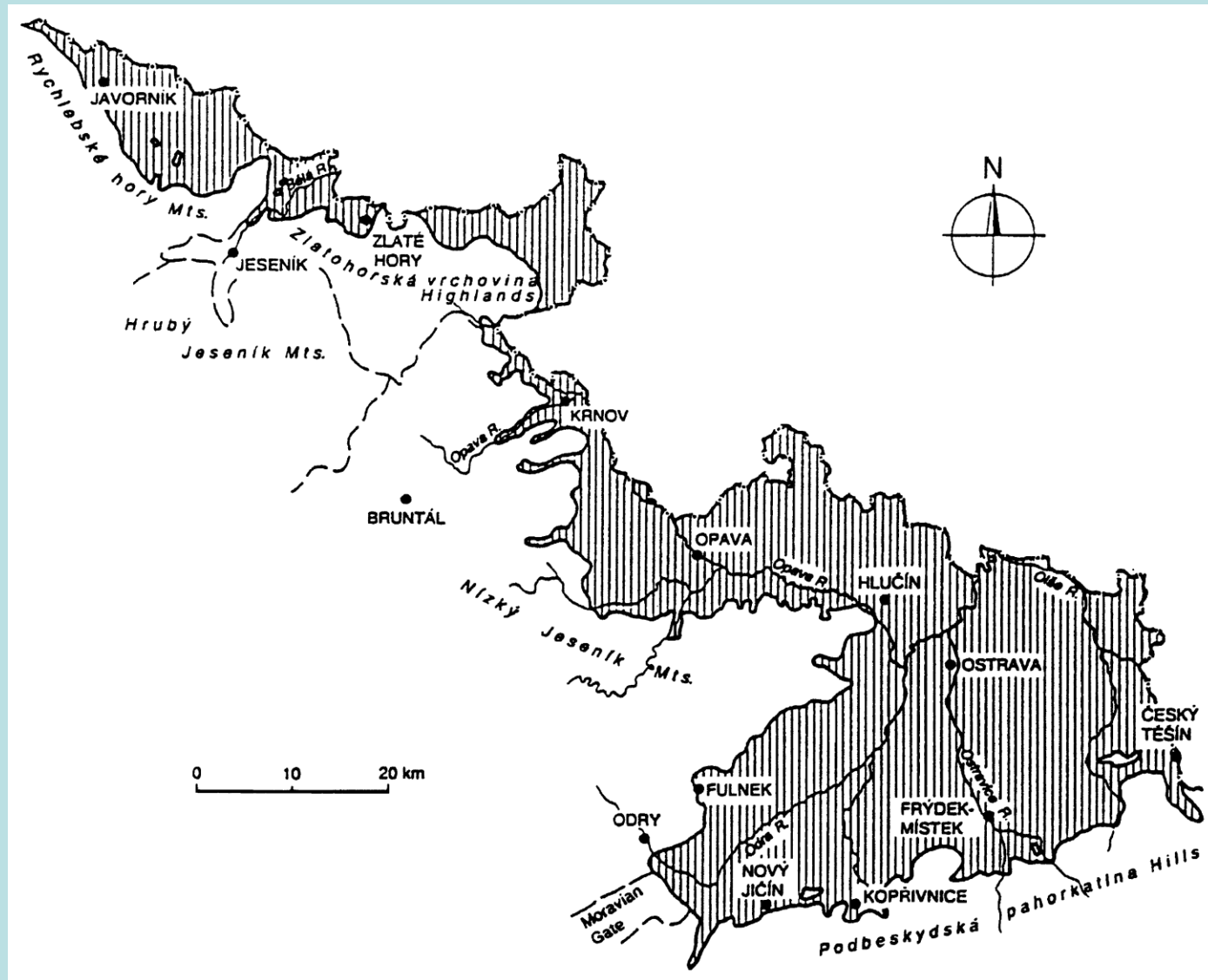
Glaciation areas: Frýdlant ness, Šluknov ness, Hradec basin, Podještědí region, Jeseník region, Osoblaha region, Krnov region, Opava region, Ostrava region, Těšín region, Oder part of the Moravian Gate.

Continental glaciation of the northern Bohemia



line of maximal extent of continental glaciation

Continental glaciation of the northern Moravia and Bohemian Silesia



section line – glaciation area

Till – nonsorted sediment, mixture of sand, dust, clay and gravel



Javorník locality (Jeseník region, foto: D. Nývlt)

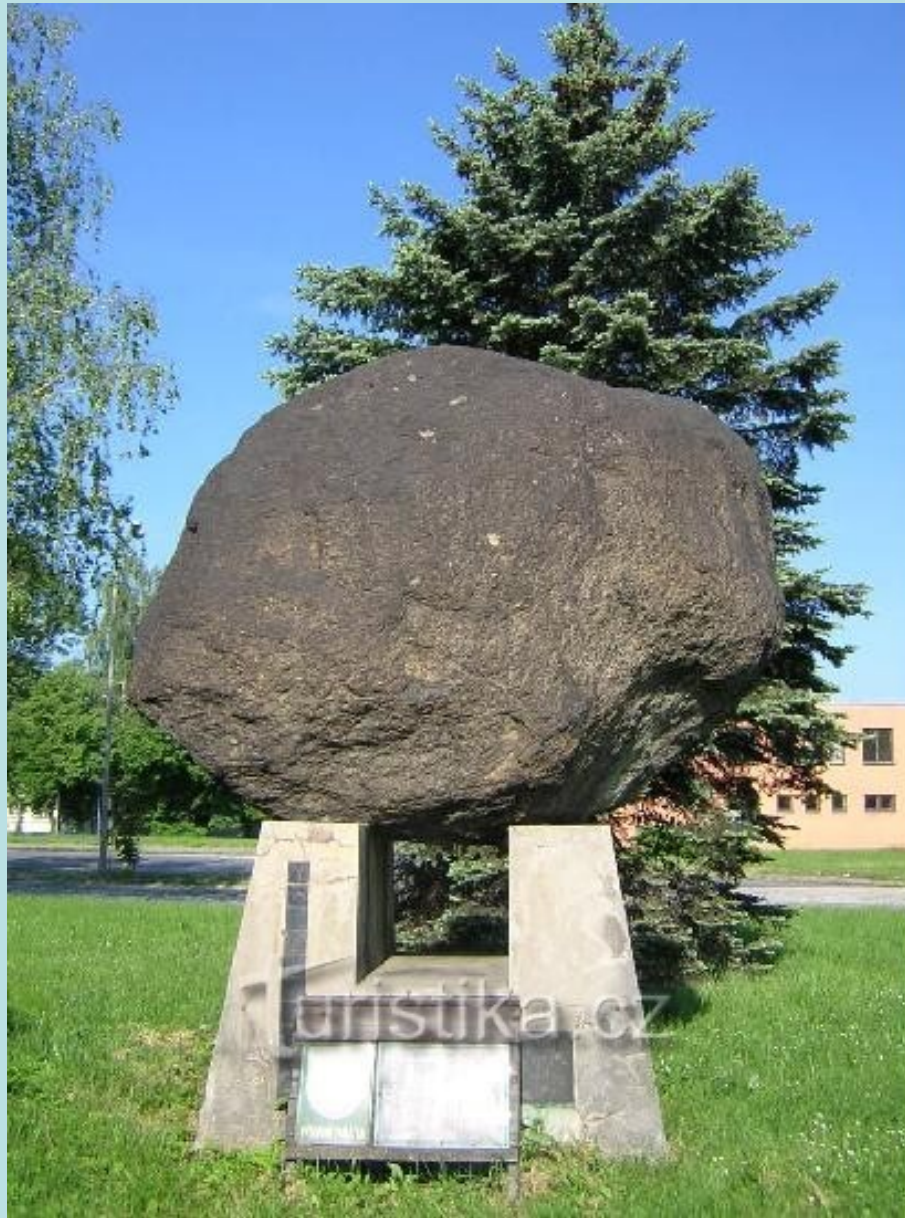
Glacifluvial sediments – layers of sand and gravel



Kolnovice locality (Jeseník region)

Erratics – fragments of rocks transported by glacier





**The biggest erratics boulder in the Czech Republic (Ostrava-Kunčice)
Granit from central Sweden, 320 x 250 x 155 cm, 16 t.**

Erratics – fragments of rocks transported by glacier



Rapakivi from Åland islands –
the granit with the big phenocrysts of the
orthoclase into dark rote groundmass





Baltic flint –
Silicite from Rügen island, Denmark
and southern Sweden.





Silurian limestone with brachiopods from Baltic sea.



Thank you for your attention