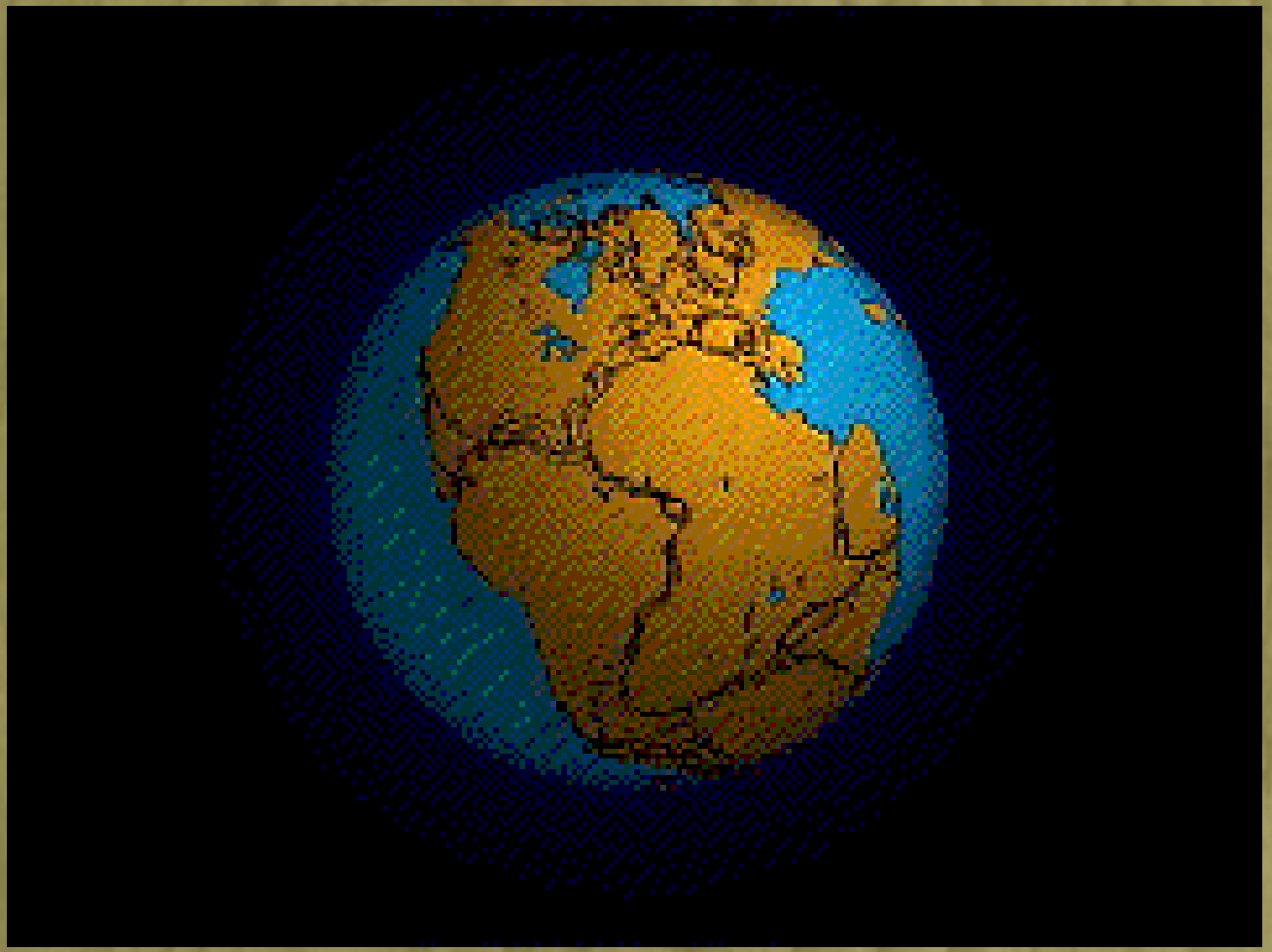
LOVORI, CIMETOVCI I AVOKADO NA OBRONCIMA MEDVEDNICE

KOPNENA VEGETACIJA I KLIMA KROZ GEOLOŠKU PROŠLOST

Jasenka Sremac, PMF

2.skup OkruGeo
19.-20.travnja 2012.

POVIJEST ZEMLJE – 4,5 MILIJARDI GODINA PROMJENA



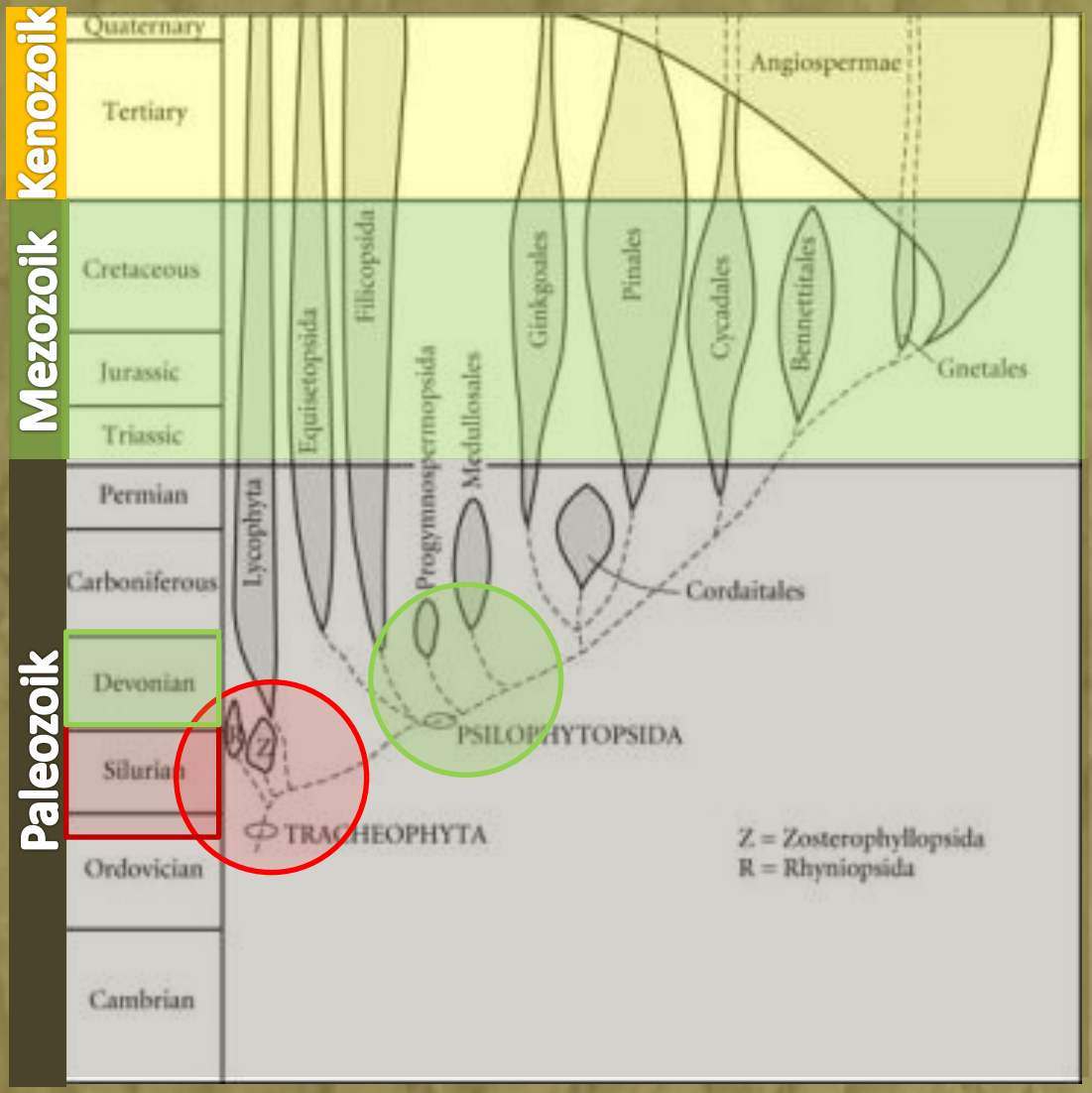
POJAVA KOPNENOG BILJA

65 mil.g.

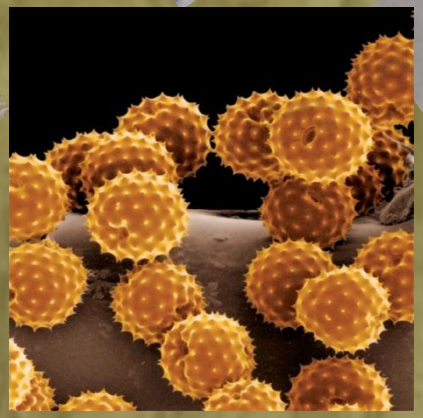
250 mil.g.

400 mil.g.

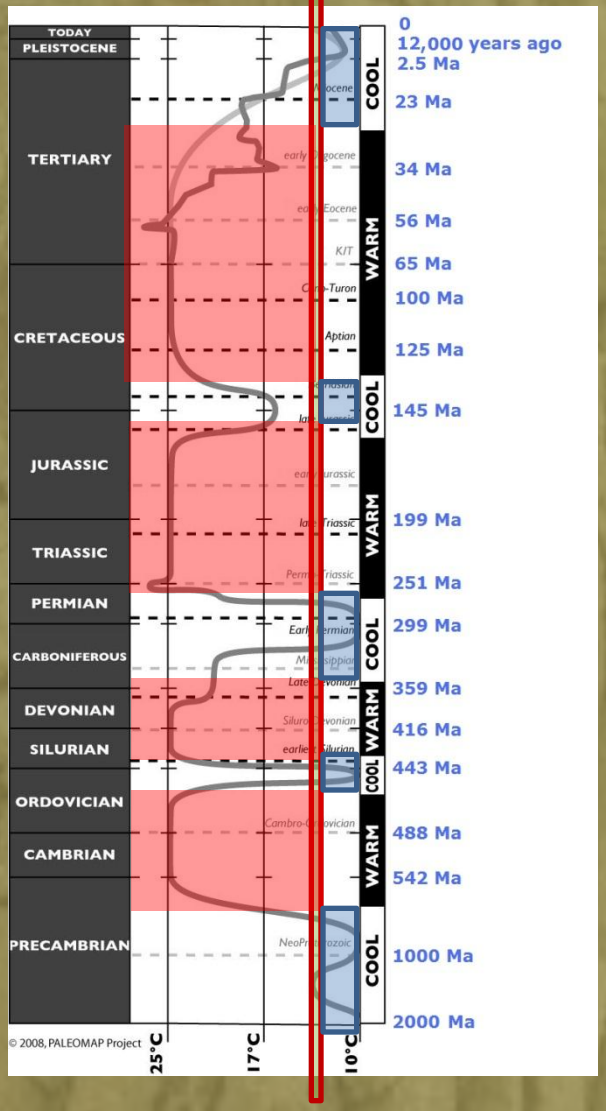
570 mil.g.



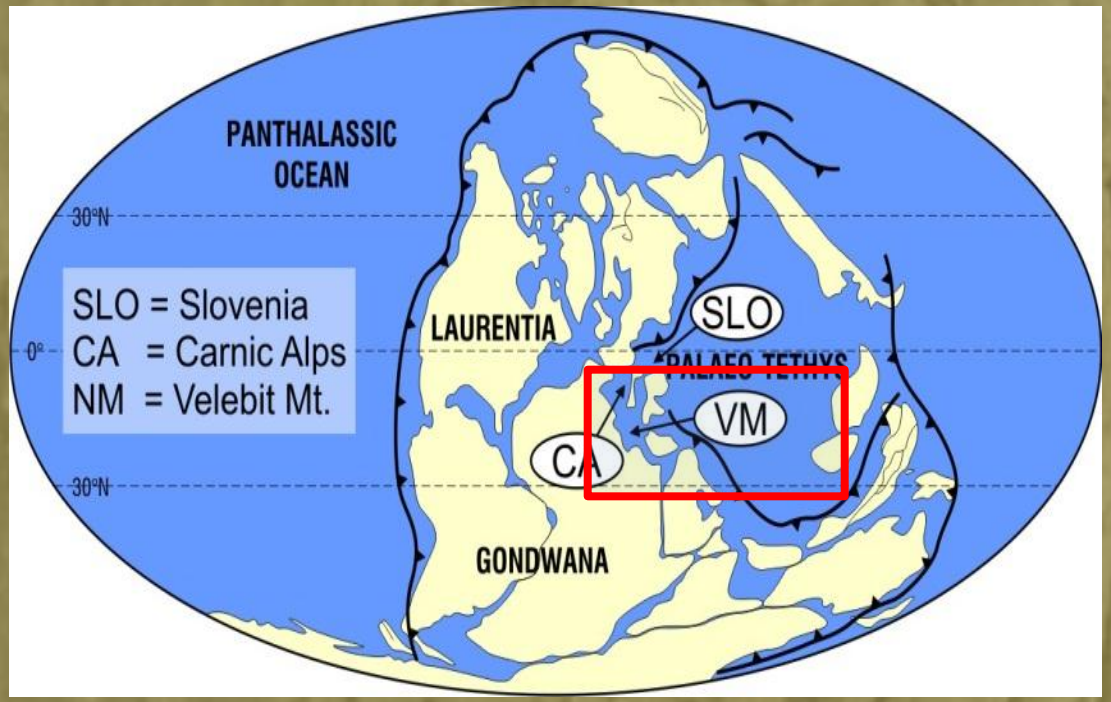
FOSILIZACIJA BILJA

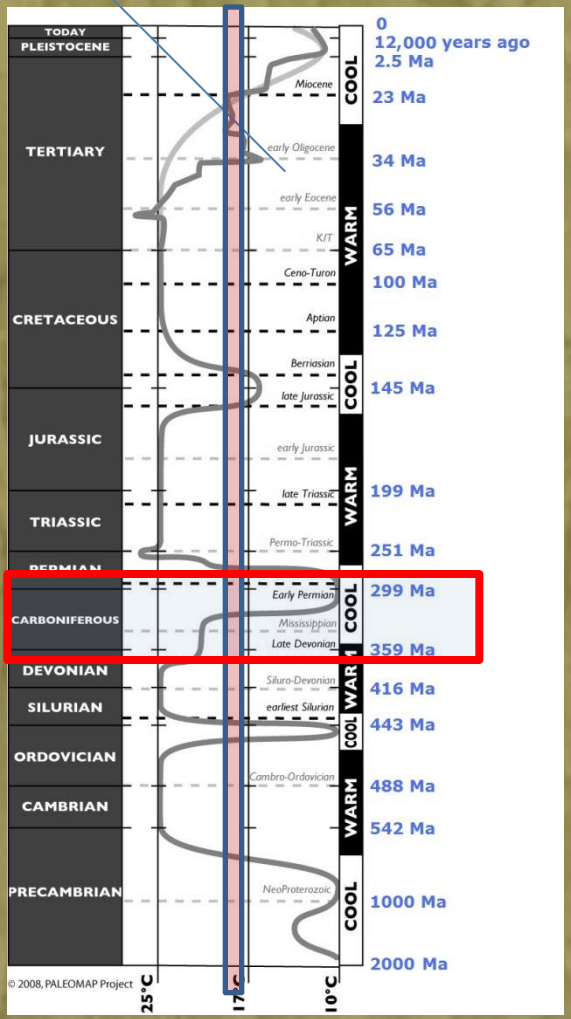


PROMJENE KLIME TIJEKOM GEOLOŠKE PROŠLOSTI

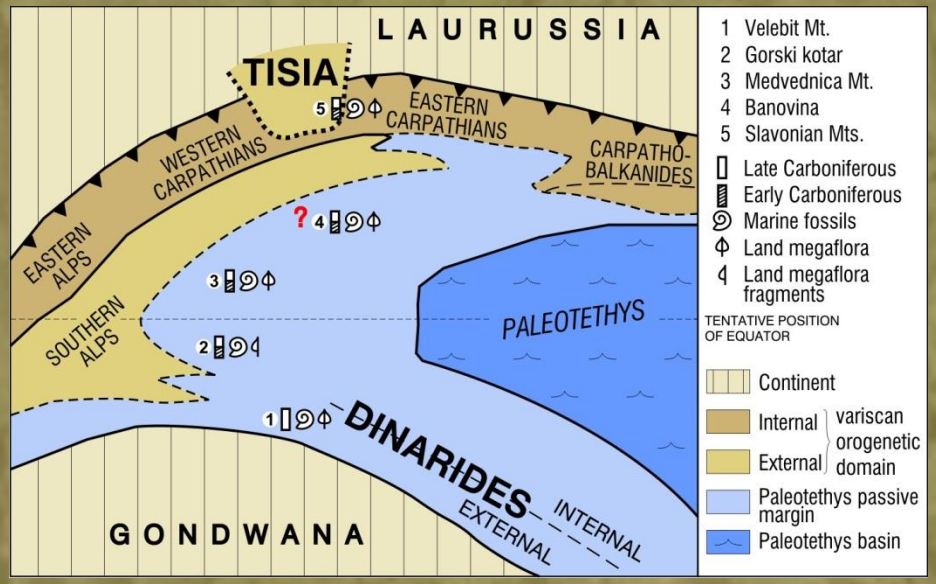


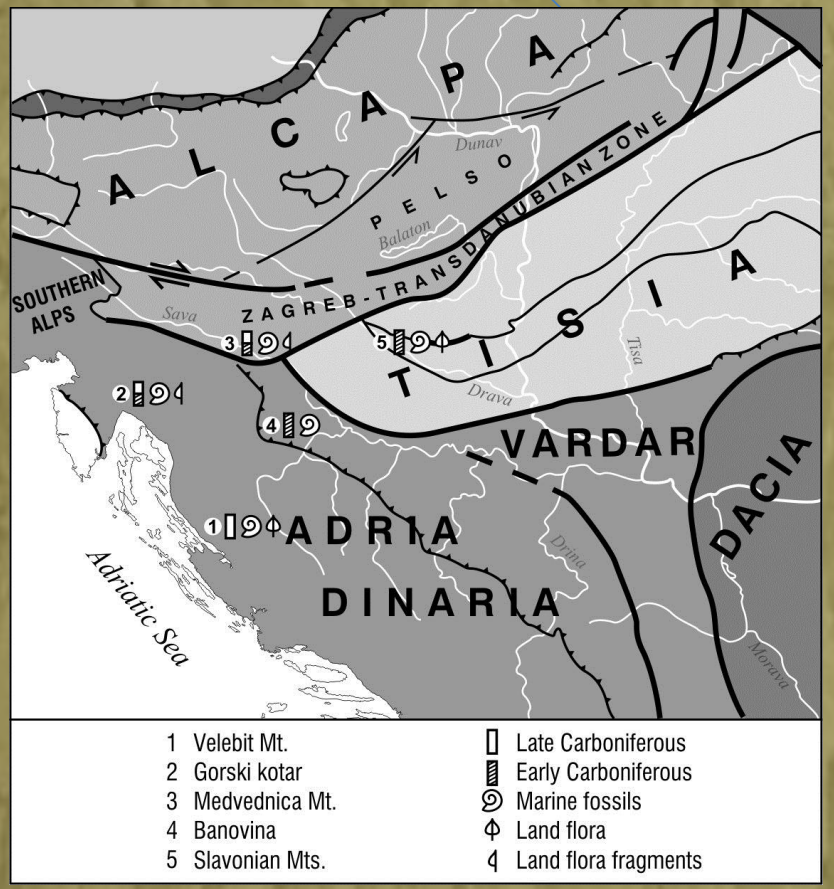
KARBON (359-299 milijuna godina)





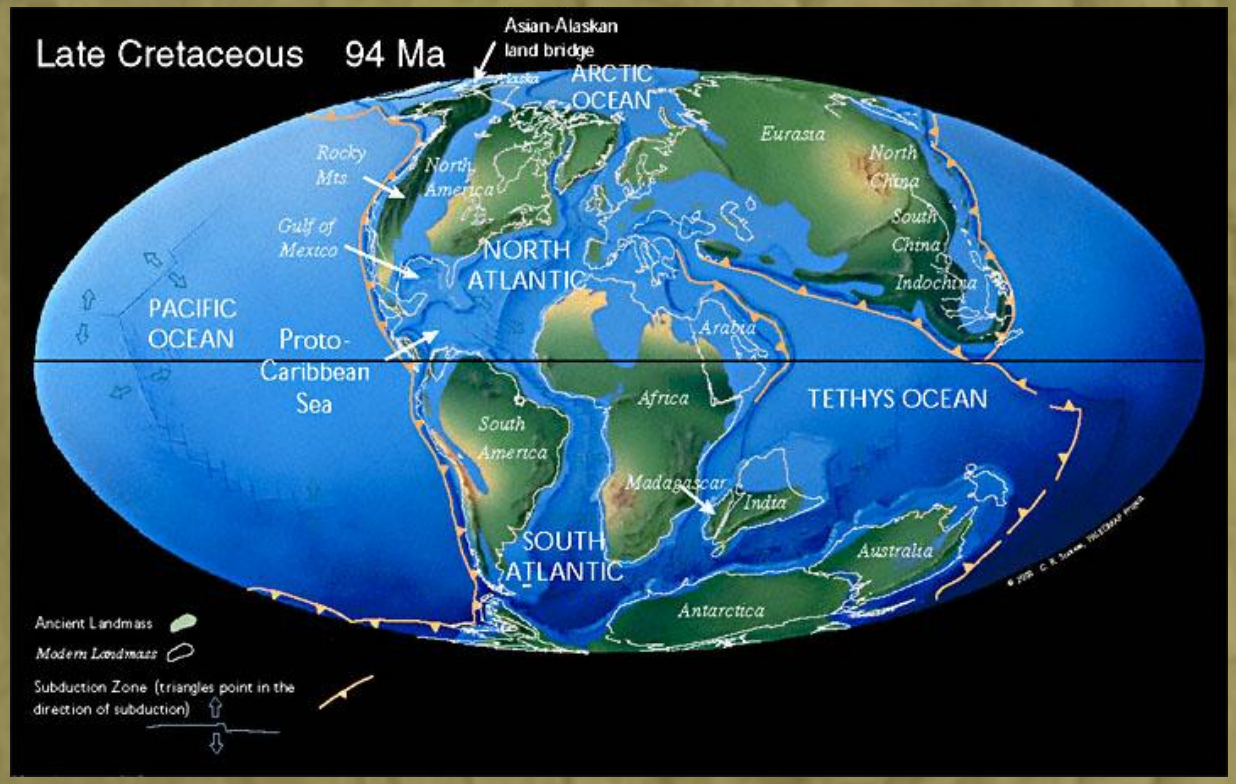
HRVATSKA PODRUČJA U KARBONU (prije 300 milijuna godina)

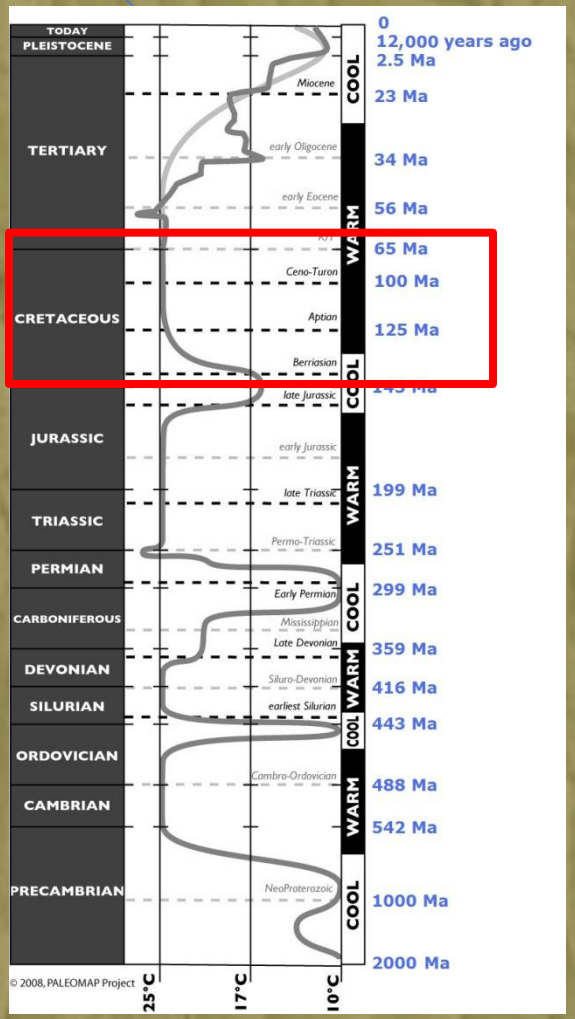




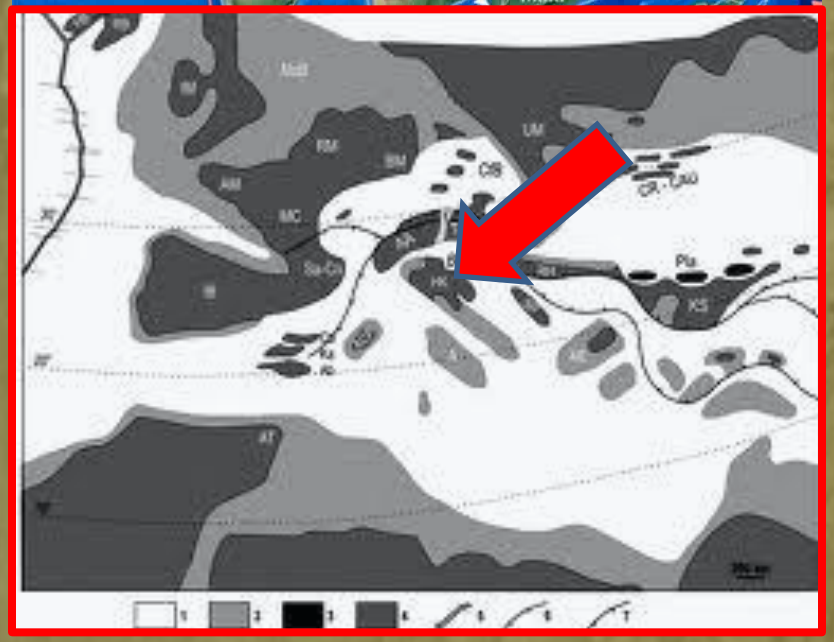
KARBONSKI TERESTRIČKI OKOLIŠI

KREDA (145-65 milijuna godina)

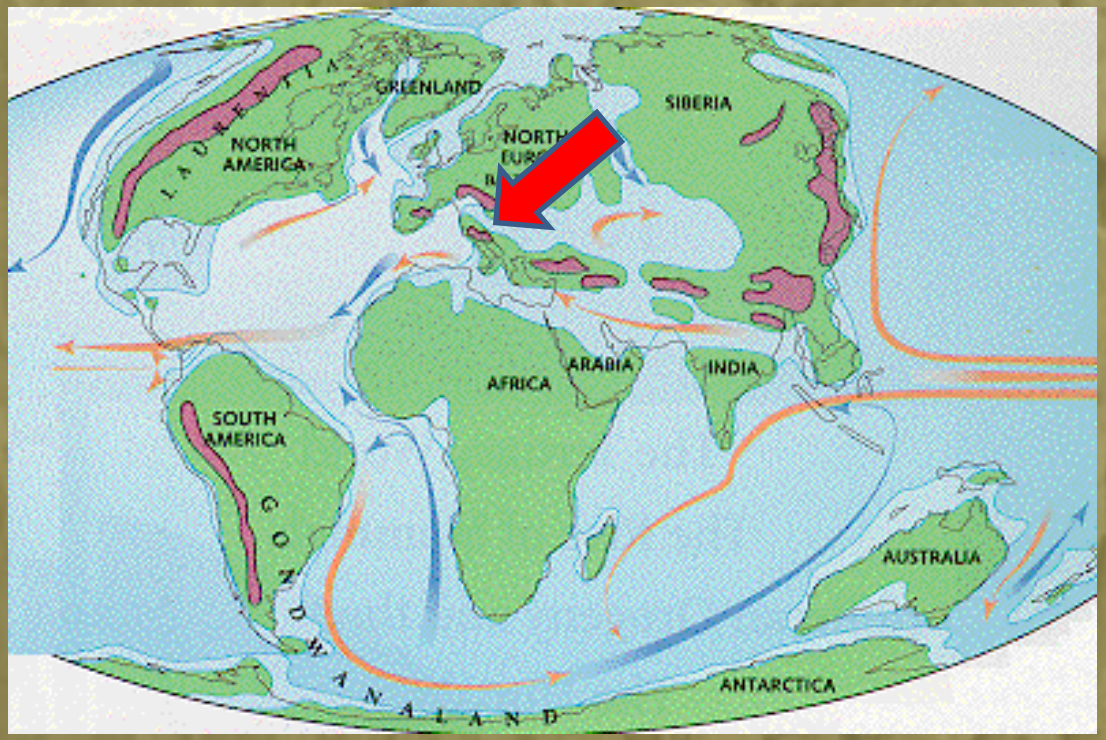


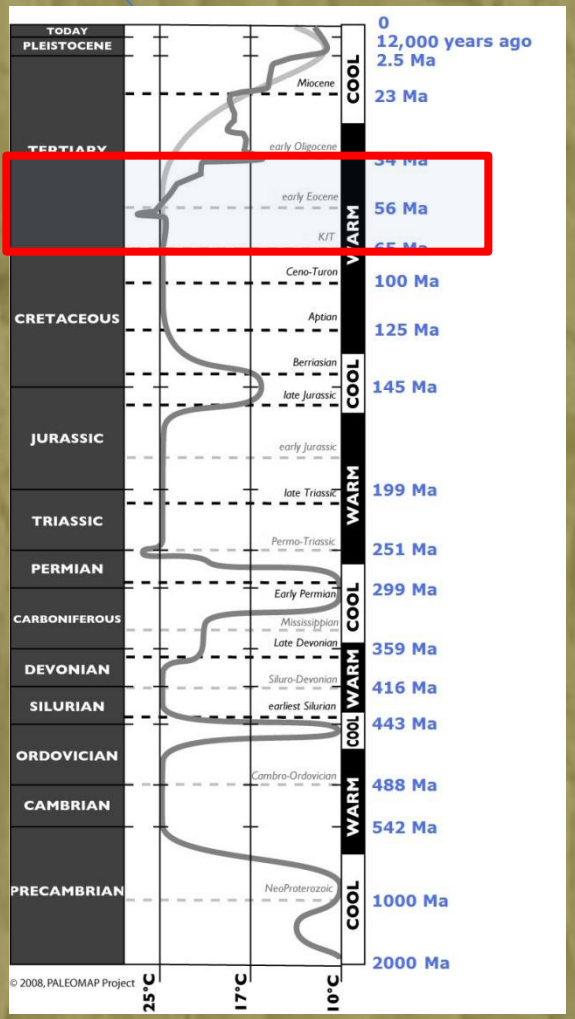


KREDNI TERESTRIČKI OKOLIŠI



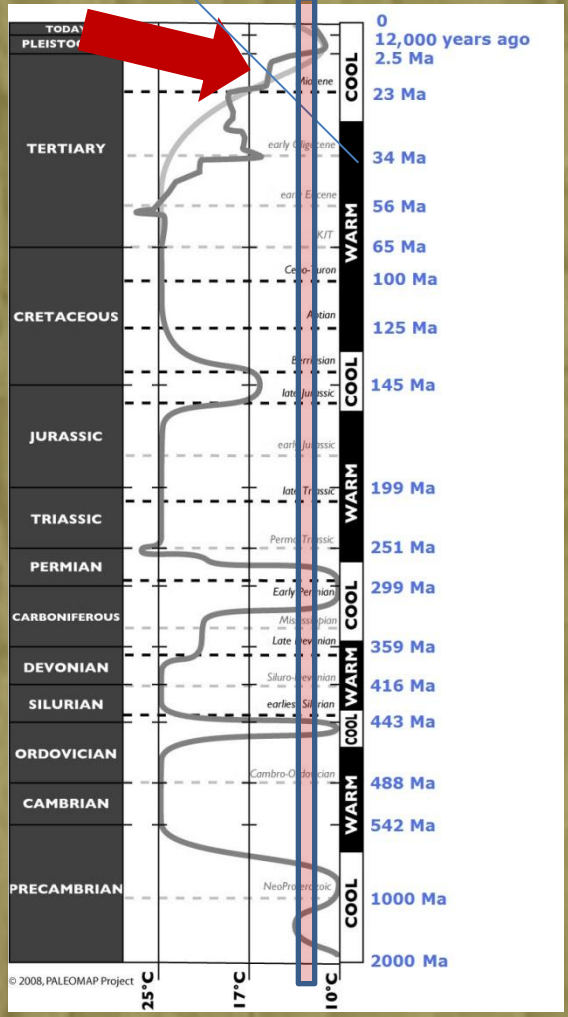
PALEOGEN (65-23 milijuna godina)





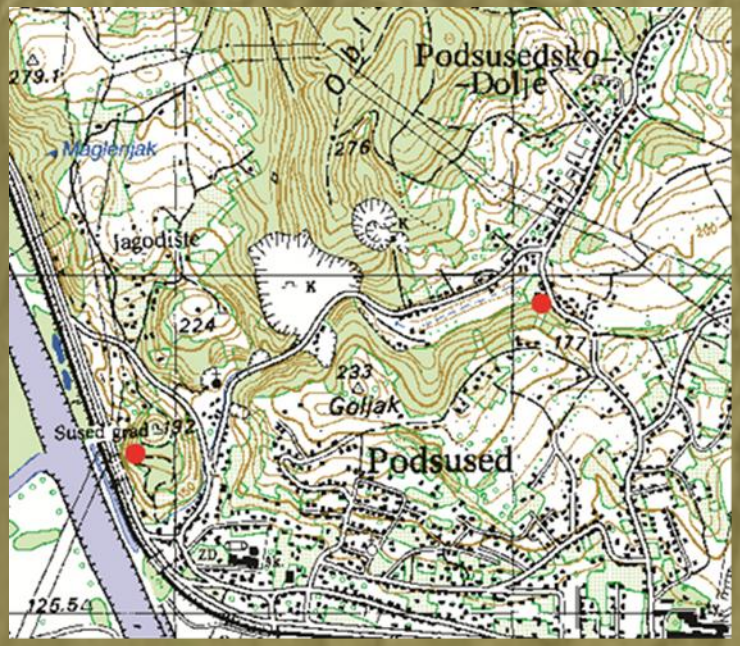
PALEOGENSKI TERESTRIČKI OKOLIŠI

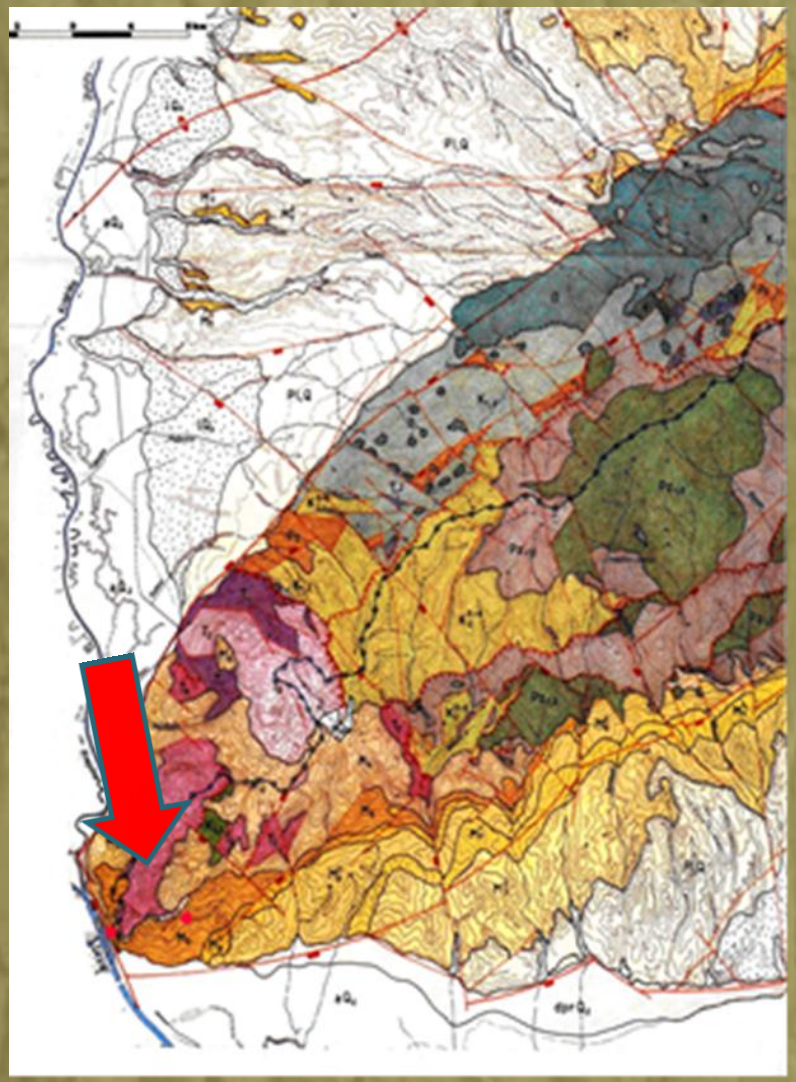
MIOCEN (23-5,3milijuna godina)



MEDVEDNICA U MIOCENU

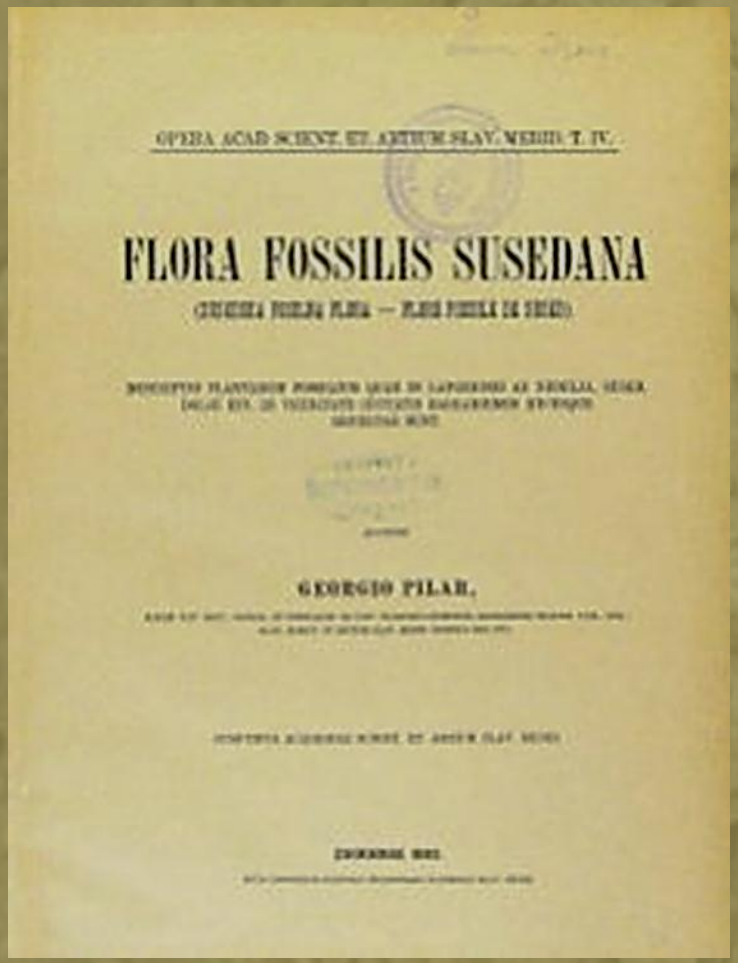
NALAZIŠTE MIOCENSKE FOSILNE FLORE KOD PODSUSEDA (starost oko 12 milijuna godina)





SUSEDGRAD NEKAD (19. stoljeće) I DANAS

FLORA FOSSILIS SUSEDANA
Gjuro Pilar, 1883


OPERA ACAD. SCIENT. ET ARTIUM SLAV. MERID. T. IV.

FLORA FOSSILIS SUSEDANA

GEORGIO PILAR.

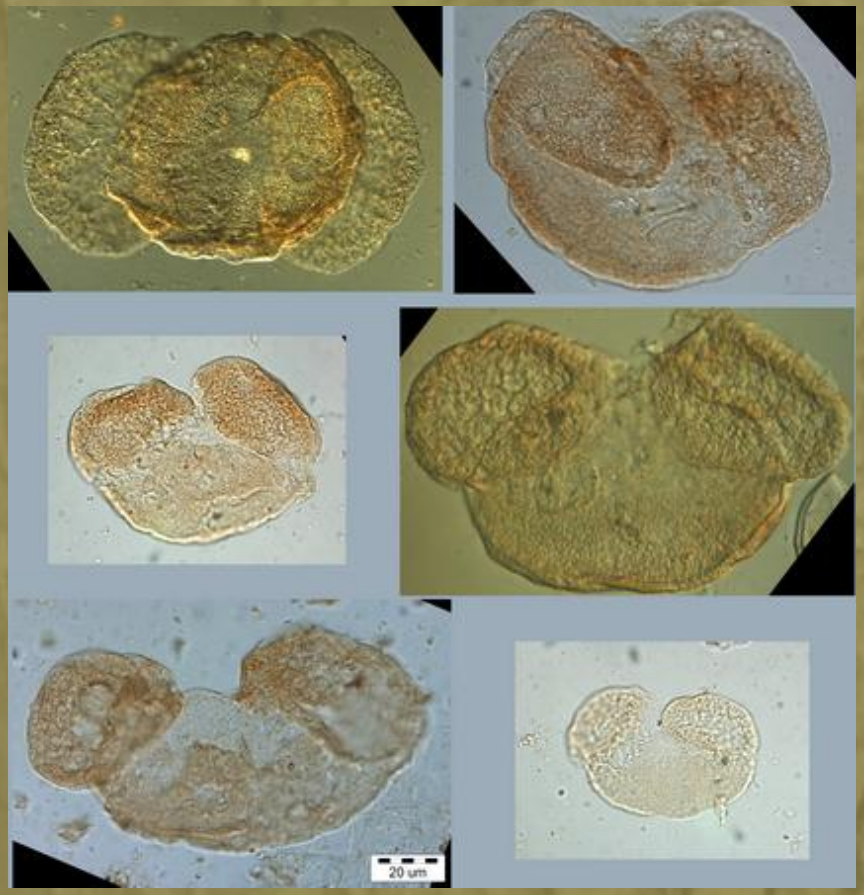
MIOCENSKA FLORA IZ ZBIRKE PMF-a

PILAROVI CRTEŽI FOSILNE KOPNENE MAKROFLORE

PILAROVI REZULTATI

- Lokaliteti: Sused, Dolje, Sv. Nedelja.
- 10 godina prikupljanja fosilne makroflore.
- Ukupno odredio 232 vrste vodenog i kopnenog bilja.
- Označio ih prema učestalosti.
- Pokušao usporediti s recentnima (58 novih).
- Rad sadrži 15 tabli s 213 crteža (140 je crtao sam Pilar).

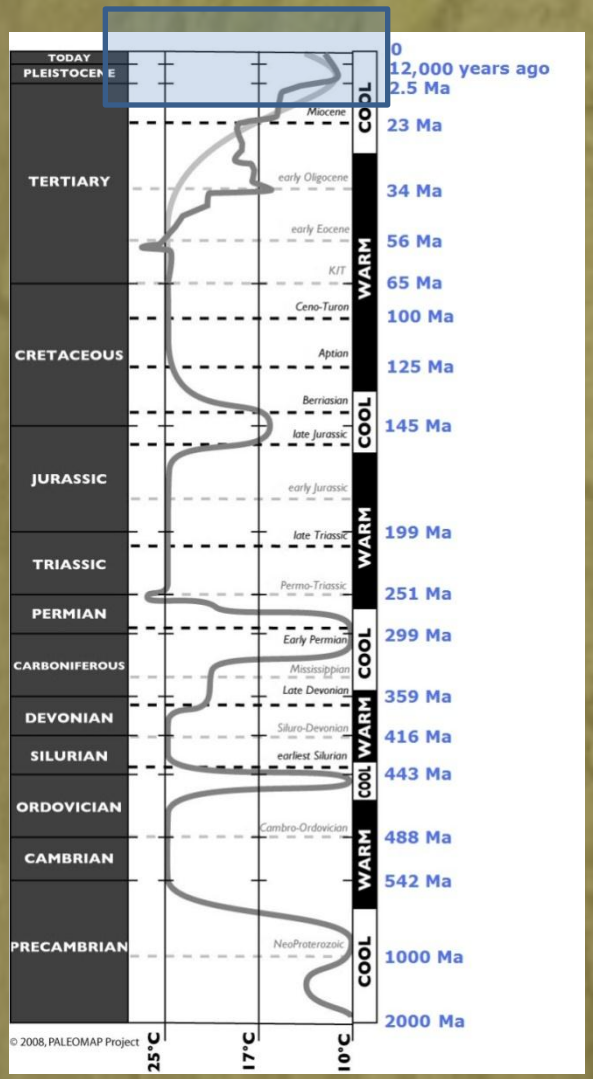
ISTRAŽIVANJE FOSILNE PELUDI
Dražen Brajković – disertacija, 2011



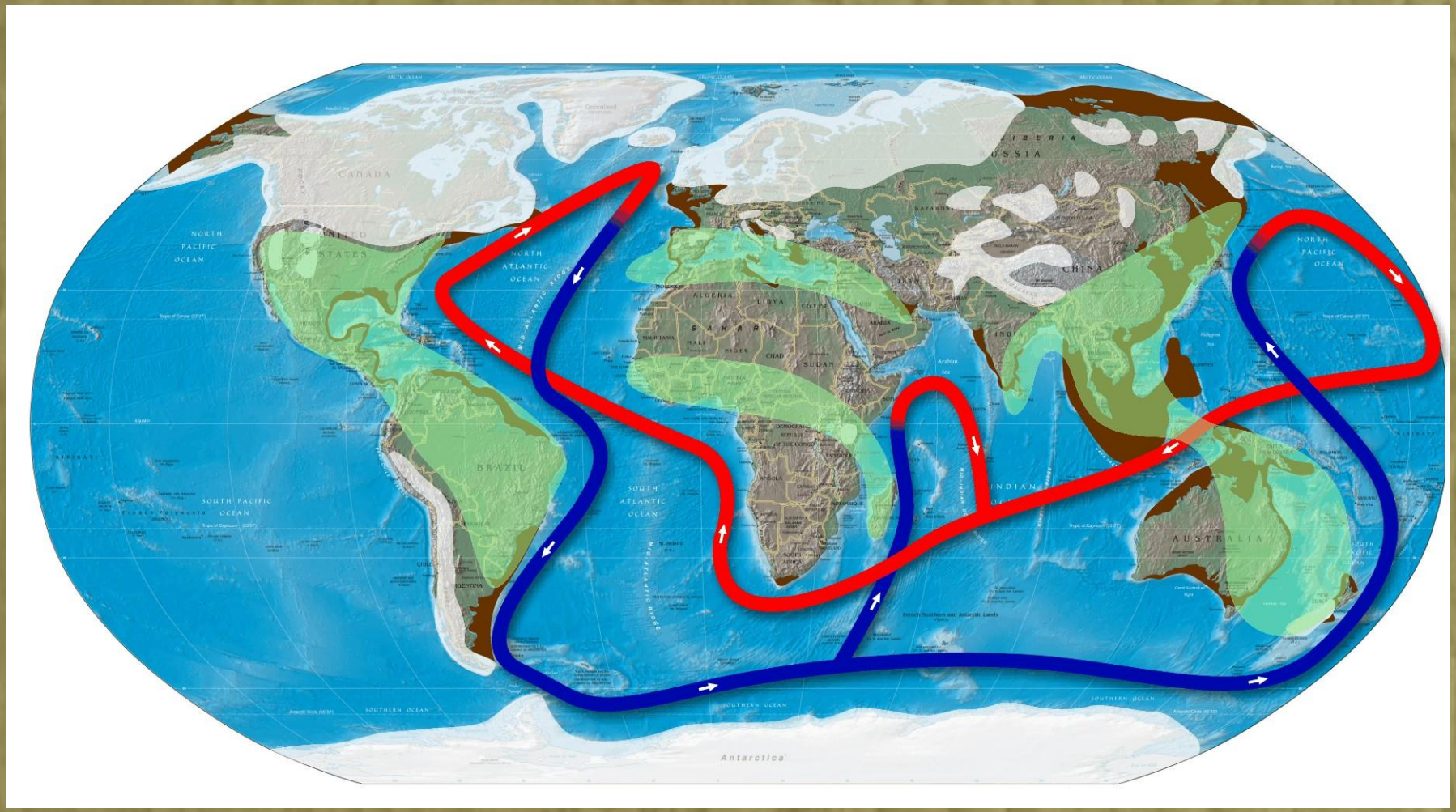
REZULTATI ISTRAŽIVANJA PELUDI I SPORA

- Određene su 94 formvrste spora i peluda, među kojima i neke nove.
- Pelud potječe iz tri florne zajednice: (1) mezofilne miješane šume četinjača i listopadnog drveća, (2) močvarne šume i (3) šume poplavnih ravnica.
- Klima je bila suptropska.

POSTMIOCENSKO ZAHLADNJENJE I OLEDBA



PODRUČJA ZAHVAĆENA PLEISTOCENSKOM OLEDBOM (BIJELO) I DANAŠNJI AREALI MIOCENSKIH SVOJTI NAĐENIH NA MEDVEDNICI (ZELENO)



POPIS GLAVNE KORIŠTENE LITERATURE

- BRAJKOVIĆ, D. (2011): Palinotaksonomska analiza fosilne flore okolice Podsuseda. - *Disertacija. Sveuč. u Zagrebu, PMF*, 137 str.
- MILNE, R.I. (2006): Northern Hemisphere Plant Disjunctions: A Window on Tertiary Land Bridges ansd Climate Change. - *Annals of Botany* 98, 465-472.
- MUTKE, J. & BARTHLOTT, W. (2005): Patterns of vascular plant diversity at continental to global scales. - *Biol. Skr.* 55, 521-531.
- PILAR, GJ. (1883): Flora fossilis Susedana. - *Djela JAZU*, Zagreb.
- SREMAC, J. (in press): Influence of terrestrial sedimantation in Pennsylvanian rocks of Croatia. – *Geologia Croatica.*
- *http://plants.usda.gov/java/*
- www.scotese.com

HVALA NA PAŽNJI!

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- Adresa el. pošte: jsremac@geol.pmf.hr