

Interactive comment on “Pollen-based temperature and precipitation changes in the Ohrid Basin (western Balkans) between 160 and 70 ka” by Gaia Sinopoli et al.

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Received and published: 10 July 2018

Dear Authors,

Congratulations for this interesting paper, I hope it'll go through. Regarding the comparison of the last interglacial section with speleothem data, I would like to call your attention to our paper on a Hungarian speleothem (Demény et al., 2017, Stable isotope compositions of speleothems from the last interglacial – Spatial patterns of climate fluctuations in Europe. QUATERNARY SCIENCE REVIEWS 161: pp. 68-80.). The d13C and d18O data of the BAR-II speleothem show very good agreements with your precipitation and temperature reconstructions. I pasted our plot onto your Fig 7

C1

(sorry for the preliminary outlook). The d13C data show a negative peak (inverted scale!) at about 118 ka when you have a precipitation peak. The d18O values indicate dry and still relatively warm conditions (high evaporation) around 117 ka, when your precipitation reconstruction shows a decrease while the temperature increases. I think the good matches support your conclusion about the Central European meteorological connections. I hope you can use these data in the revision.

Best regards, Attila Demény

Interactive comment on Clim. Past Discuss., <https://doi.org/10.5194/cp-2018-71>, 2018.

C2

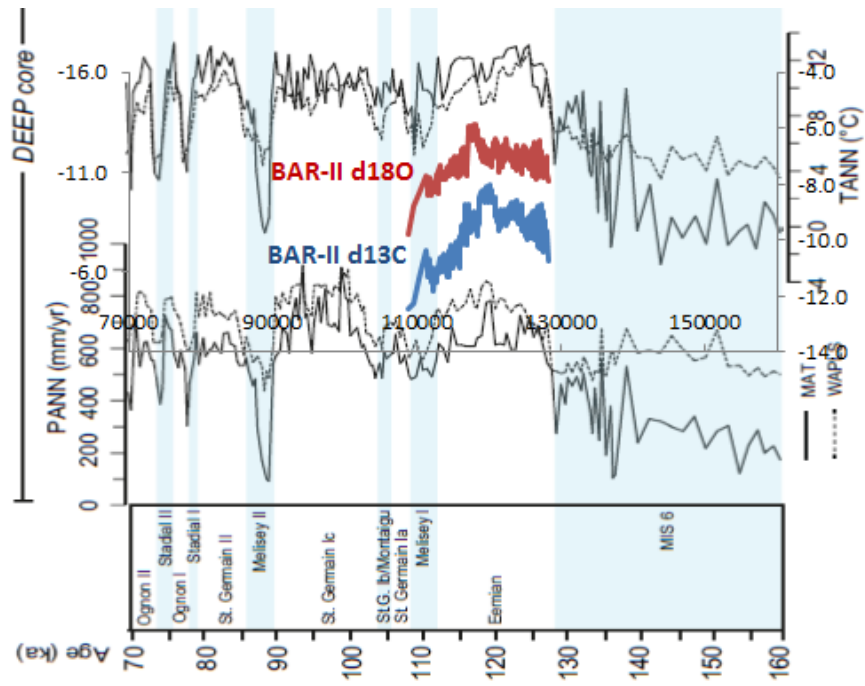


Fig. 1. The BAR-II records with Fig 7