

Interactive comment on “Eurasian contribution to the last glacial dust cycle: how are loess sequences built?” by Denis-Didier Rousseau et al.

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Received and published: 3 July 2017

Thanks for the general comment and the more specific and technical ones.

They have been integrated in the revised version and should be made available after the editor decision.

Concerning the stop of the eolian sedimentation, indeed our sequence description does not show any steppe soils but boreal and tundra gleys ones. There is no evidence yet available of any dust input during their development. The paleomagnetic investigations did not suggest such enrichment leading us to rather favor a stop in the dust sedimentation.

About the storm season, the modeling experiment we have performed either for West-

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ern France and central Europe indicate that the main season for dust emission was indeed Spring, with some variation (delay) as stated by reviewer 2 depending if this was a Greenland stadial or an Heinrich one. (See Sima et al. 2009, 2013).

Frechen et al (2003) proposed a compilation of the available dates at that time. Our investigation from Nussloch, with the different sets of dates but also the definitive evidence of the close correlation between the NGRIP ice-core record and Nussloch loess-paleosol sequence that MAR calculation must be designed differently.

All the very best

denis-didier Rousseau (on behalf of the authors)

Interactive comment on Clim. Past Discuss., <https://doi.org/10.5194/cp-2017-67>, 2017.