**Climate
of the Past**
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Discussions

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Interactive comment on "Climate reconstructions based on GDGT and pollen surface datasets from Mongolia and Siberia: calibrations and applicability to extremely cold-dry environments over the Late Holocene" *by* Lucas Dugerdil et al.

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1 Responses to the comments of Reviewer 1 (Anonymous Referee)

1.1 Specific comments:

The Fig. 9 upper part: the unit of of MAP is wrongly marked, and the why the MAP has negative data? It needs some technical checking.

Response: To check the technical problems we found 12 sites with negative precipitation values in our modern pollen dataset. It appears that these points are located in Arid Central Asia (ACA), a region where the weather stations are very scarce. This could explain the problem of interpolation for the climatic parameter selection. A new interpolation applied to these points allows to obtain now more reliable precipitation values.

Applied changes: The legend (Fig.9, or Rebuttal Fig. 1) has been changed to $MAP(mm.yr^{-1})$. For the figure 9 or Rebuttal Fig. 1, we have plotted the figure with new interpolation values for the 12 previously dysfunctional points.

Interactive comment on Clim. Past Discuss., https://doi.org/10.5194/cp-2020-154, 2020.
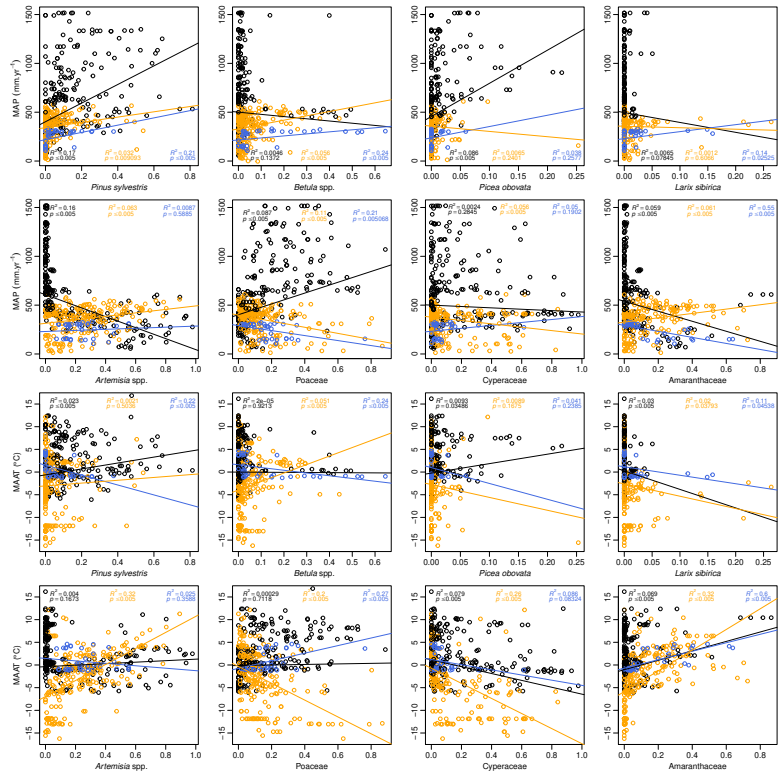
Fig. 1. Relationships between the eight major pollen taxa (\%TP) and MAP (mm.yrˆ-1, upper part of the facet plot) and MAAT (°C, lower part).

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