

## ***Interactive comment on “DeepMIP: experimental design for model simulations of the EECO, PETM, and pre-PETM” by Daniel J. Lunt et al.***

**J. C. Hargreaves (Editor)**

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Sorry to be slow to post this - I hope this doesn't cause you too much inconvenience - I was going away when the paper went into final response and seem to be taking far too long to catch up with things.

I agree with the reviewer's comment that a table summarising the protocols is required, and think there are a couple of other things missing too.

1. To improve comprehension for those not immersed in DeepMIP intervals, I need to see some kind of visual timeline which indicates what the climate was like during these intervals. Then I can see when the intervals were, and have some understanding of what the differences in climate were both between the intervals and relative to the climate throughout the Earth's history.

2. Paleoclimate simulations are meaningless without data and the data section is worryingly fanciful. I want to see actual description of datasets, or if these are being developed as part of the project, then a much clearer timeline of what will be made available when (how many points are expected for what variables etc). If this is presently impossible, then there would be the possibility of writing a companion paper to this one outlining the data sets (from the GMD Manuscript Types page, ".Papers describing data sets designed for the support and evaluation of model simulations are within scope. These data sets may be syntheses of data which have been published elsewhere. The data sets must also be made available, and any code used to create the syntheses should also be made available.").

Finally: GMD is indeed an EGU journal and papers should be in English, but a while ago they changed from requiring British English to allowing whatever flavour of English you prefer. But, as one of the reviewers says, you are supposed to be consistent within the paper.

[Surely it's Palæo ? :-) ]

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Discussion paper

