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Geoscientific Model Development Discussions

Interactive comment on "PMIP4-CMIP6: the contribution of the Paleoclimate Modelling Intercomparison Project to CMIP6" *by* Masa Kageyama et al.

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I'm also editing the DeepMIP paper, and they happen to have a rather prominently positioned section about data for comparison with the model output, which caused me to pay attention to it, and then criticise it as inadequate! I think that more or less the same criticism can be levelled at this PMIP4 manuscript. Section 4.2 touches on ways in which the models may be compared to data, but this is less important than outlining the datasets that are available and including specifics about any new datasets that are planned to emerge within the timeframe of the project. Please add this information for all the PMIP4 periods in the revised manuscript. It doesn't have to be a huge amount of material - the point is a practical one - to lead users of PMIP model output in the

right direction so they can discover the relevant datasets. I expect you would include citations in the revised section 4.2, but you might also wish to include some additional information (DOIs/weblinks etc) in the Data Availability section.

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