

Interactive comment on “Modelling the mid-Pliocene Warm Period climate with the IPSL coupled model and its atmospheric component LMDZ4” by C. Contoux et al.

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This manuscript by Contoux et al. is one of the initial results manuscripts from the PlioMIP Experiments I and II. These papers are important because they document each model groups implementation of the PlioMIP boundary conditions, models and initial results.

The descriptions of the LMDZ4 atmospheric model, ORCHIDEE land surface model, NEMO ocean model and LIM sea-ice model are adequate and provide the correct amount of referencing for interested readers (even for only semi-interested micropaleontologists).

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Results are clearly presented and the discussion makes good use of other already completed PlioMIP papers. Figures and tables are all necessary and of good quality.

Reference(s) needed for sentence starting on page 517 (line 10) for the "numerous terrestrial and marine records."

I see no problems with this manuscript and feel it will be a valuable contribution to this PlioMIP volume.

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