

Second review of the manuscript by Otto-Bliesner et al.

The revised manuscript is much improved compared to the previous version and is in my view nearly ready for publication.

I have two minor comments that I feel should be addressed, and a number of technical points.

Minor comments.

In the abstract the authors mention that this work enhances our confidence in future projections of the stability of the Greenland Ice Sheet. I don't see any model or proxy evidence presented in the manuscript to substantiate such a claim.

In the introduction it is said that previous LIG intercomparisons pointed to cryosphere or ocean circulation feedbacks to explain intermodel differences, but that those simulations also differed in the experimental design, making it difficult to draw conclusions. This is indeed true, but now that we have a large set of simulations that do include the same experimental design, what can the authors at to this discussion? Were the previously published inter-model differences the result of flaws in the experimental design, or are feedbacks responsible? The authors touch upon this topic at various points in the manuscript, but the link to previous literature can be made more explicit.

Technical comments:

Line 294: do we know that changes in the size of the Antarctic ice sheet during the Last Interglacial impacted the meridional temperature gradient?

Line 131: Arctic sea ice?

Lines 206-215: It would be good to make it more explicit that you are not talking about the lig127k simulations here, but their corresponding PI control simulations. The way it is worded now might be confusing to the reader.

Line 272: greenhous-gas concentrations

Line 306: (2020)

Lines 1192: typo subscript instead of superscript.

Line 550: MMM

Line 533: correct sentence

Line 534: changes that are