

Earth Syst. Dynam. Discuss., author comment AC2  
<https://doi.org/10.5194/esd-2021-2-AC2>, 2021  
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## Reply on RC1

Stefanie Talento and Andrey Ganopolski

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Author comment on "Reduced-complexity model for the impact of anthropogenic CO<sub>2</sub> emissions on future glacial cycles" by Stefanie Talento and Andrey Ganopolski, Earth Syst. Dynam. Discuss., <https://doi.org/10.5194/esd-2021-2-AC2>, 2021

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We thank the reviewer for the insightful and constructive comments. Please find attached a point-by-point response, marked in blue. In order to address some of the reviewer's questions and assess the robustness of the results to several criteria involved in the design of the model or parameter selection strategy, we performed a series of sensitivity experiments. The results from these experiments are briefly discussed here in response to specific comments and will be included in a revised manuscript.

Please also note the supplement to this comment:

<https://esd.copernicus.org/preprints/esd-2021-2/esd-2021-2-AC2-supplement.pdf>