

Earth Syst. Dynam. Discuss., referee comment RC3  
<https://doi.org/10.5194/esd-2021-2-RC3>, 2021  
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## **Comment on esd-2021-2**

Anonymous Referee #3

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Referee 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-RC3>, 2021

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This paper cannot be published as it is and must be rejected. This work is not mature enough for publication. It needs a profound revision and reworks. Concepts are being mixed and the goal itself is unclear to the authors. The framework and the selected statistical modeling/validation approaches are weakly justified and poorly and/or incorrectly applied and most importantly the methodology is inadequate as it does not account for any source of uncertainty.

I am attaching a full review in a pdf file.

This paper really made me sad.

Please also note the supplement to this comment:

<https://esd.copernicus.org/preprints/esd-2021-2/esd-2021-2-RC3-supplement.pdf>