

## ***Interactive comment on “Phytoplankton community disruption caused by latest Cretaceous global warming” by Johan Vellekoop et al.***

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We have received two reviews, the first of which recommended our manuscript to be published with no additional corrections, while the second reviewer had several suggestions concerning the structure of the manuscript, and pointed out a few points where the argumentation could be clarified. We thank this reviewer for the valuable comments, which have been very helpful in improving our manuscript. After thorough revisions, we believe that we will convince the reviewer of our main conclusions.

The main issue raised by Reviewer 2 concerned the difference between the dinocyst assemblages and the benthic foraminiferal assemblages in the post-warming inter-

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val, which were not thoroughly explained in our initial manuscript. In our revised manuscript, we have discussed this in more detail, hopefully eliminating any concerns by the reviewer.

We hope that by addressing this point raised by the reviewer and improving our manuscript accordingly, you are able to reconsider this manuscript for publication in Biogeosciences.

We have attached a supplement to this comment with a point-by-point response to the comments of Reviewer 2.

Please also note the supplement to this comment:

<https://www.biogeosciences-discuss.net/bg-2019-231/bg-2019-231-AC1-supplement.pdf>

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Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2019-231>, 2019.

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