

Dear Editor,

On behalf of the co-authors, we would like to thank you for coordinating this reviewing process and finally accepting this manuscript for final publication in the Journal of Biogeosciences.

We are pleased to upload the necessary materials, together with the following remarks:

1. The literature has been now compiled according to the Copernicus guideline, using the dedicated CSL style as presented in the Copernicus guidelines for publication. We would like to apologize for overlooking this previously during the submission process.
2. The modelled data has been uploaded and is openly accessible at the DOI <https://doi.org/10.5281/zenodo.7409361>, as reported in the manuscript.

We believe to have covered all the necessary aspects required for publication. Of course, we will remain available and reachable if any further step will be needed.

With kind regards, also on behalf of the coauthors,  
Alessandro Zanchetta and Huilin Chen