

Response to Editor

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We are very thankful to the Editor for her helpful comments. We revised the manuscript accordingly and provide a reply below. We hope that the current version of the manuscript fits with the GMD standard.

5 *“The exact version of the SPEEDO model code with the CPT and synch rule training integrated that is used to produce the results used in this paper is archived on Zenodo (Schevenhoven, 2021), as are input data and scripts to run the model for all the simulations presented in this paper”*

10 *The above code and data availability statement does not enable me to identify the relevant parts of the the Zenodo archive. I can see 3 downloads on Zenodo, but it is not clear what they are. My preference would be for a more detailed introduction on the Zenodo page, but alternatively (or additionally) you could extend the availability section in the manuscript to include the names of the relevant parts of the archive (eg model code, training code, data, scripts). Are the model outputs and scripts used to create the figures also included in the archive?*

We apologise for not having given a clearer description of the files in the Zenodo archive (Schevenhoven, 2021). The files that were already uploaded on Zenodo consisted of the atmosphere (AtmosCoupler), ocean (CLIO) and land (LBM) component of SPEEDO, where the atmosphere part also contained the CPT and synch rule training. We added a folder postprocess_SPEEDO, with the relevant files to postprocess the data and scripts to produce the figures in this manuscript, and a folder Results_SPEEDO, containing the model output for the different experiments. Furthermore, we added a folder called progsandlibs to the Zenodo archive, that contains the necessary programs and libraries to install SPEEDO with multiple communicating atmospheres through MPI. To clarify the content of the files, we extended the description on Zenodo, with a short overview per directory. Furthermore, in the code availability section of the manuscript we provided a concise description of the Zenodo files.

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References

Schevenhoven, F.: Supermodel training: CPT and the synch rule on SPEEDO - v.1, <https://doi.org/10.5281/zenodo.6244858>, 2021.