

Geosci. Model Dev. Discuss., chief editor comment CEC1
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Comment on gmd-2022-228

Astrid Kerkweg

Chief editor comment on "Multidecadal and climatological surface current simulations for the southwestern Indian Ocean at 1/50° resolution" by Noam Sebastian Vogt-Vincent and Helen L. Johnson, Geosci. Model Dev. Discuss.,
<https://doi.org/10.5194/gmd-2022-228-CEC1>, 2022

Dear authors,

The GMD editorial states about Model experiment description papers: "The primary purpose of these papers is to enable modelling communities to perform the same experiments. Therefore, everything required to run the experiment must be provided, apart from the model itself." (GMD Editorial main text, see also appendix B4)

I do not see that your article is about a model experiment which is performed by a larger community with different models. It is a pure "model evaluations paper" evaluating the configuration called "WINDS" of the model CROCO. Consequently, I will ask the Copernicus Office to move your paper to that manuscript type category.

Even more important, as a "model evaluation paper" your article has to follow the rules for this type of paper, meaning more specifically, the exact code used for the publication needs to be provided in a permanent archive. So please move your model code to a DOI providing place as e.g. zenodo.

Additionally, pure model evaluation papers in GMD are only accepted if a peer-reviewed documentation (or at least via DOI permanently archived) technical documentation of the model exists. It is not clear to me, which of the cited articles meets this condition.

Please clarify and/or add the required citations/descriptions to your article

Best regards, Astrid Kerkweg (Executive Editor)