

Interactive comment on “Overview of climate change in the BESM-OA2.5 climate model” by Vinicius Buscioli Capistrano et al.

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Reply to the Reviewer 1

I thank the authors for addressing my comments. The paper has been improved, although language editing is necessary. The remaining surprising result is that the coupled model, which suffers from a 4 W m⁻² radiative imbalance, manages to produce a non-drifting preindustrial control simulation. It seems likely that the coupled model does not conserve energy or that some energy flows are not diagnosed properly. I suggest to mention in the conclusion these imbalance and the potential issues that they hint at.

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We thanks all the reviewer suggestions. An English proofreading was hired. The requested discussion about the radiative imbalance at the top-of-atmosphere is added in the Conclusion section.

Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2018-209>, 2018.

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