

## ***Interactive comment on “Sea Ice Model Intercomparison Project (SIMIP): Understanding sea ice through climate-model simulations” by Dirk Notz et al.***

**Dirk Notz et al.**

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Dear Veronika,

thank you very much for your careful reading and helpful evaluation of our manuscript. In a revised version, we will ensure that the issues that you raise are addressed as follows:

1. The title will include a reference to CMIP6.
2. We will consistently use the term 'CMIP6-Endorsed MIPs' when referring to other MIPs

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3. We will ensure consistency of experiment names and abbreviations with the CMIP6 overview paper.
4. Regarding the experiments from which SIMIP output is requested, we will ensure that the paper becomes consistent with our SIMIP data request and explain the underlying reasoning.
5. Regarding the degree to which output is required from MIP experiments: We are hesitant in being too restrictive for the time being, since in our experience significant frustration can arise from missing output that was not deemed necessary when the experiments were run. To reflect this issue in our paper, we will differentiate between "recommended" output and "required" output.
6. We will replace 'CMIP6 data call' with 'CMIP6 data request' and add a reference.
7. Regarding observations, we will have two workshops over the next couple of months to discuss and encourage possible contributions of observations to obs4MIPs. As we assume that this will remain an ongoing effort, we will document these developments on the SIMIP homepage rather than in the paper itself.
8. We will ensure that the SIMIP documentation request becomes part of the ES-DOC activity.
9. We will request individual groups to provide a weights file to allow for the easy processing of gridded data and will add the OMIP paper as a reference.
10. Regarding model evaluation, we will document the observational requirements on our SIMIP homepage.

Best regards.

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Interactive comment on Geosci. Model Dev. Discuss., doi:10.5194/gmd-2016-67, 2016.

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