Geoscientific
Model Development
Discussions

# *Interactive comment on* "Observations for Model Intercomparison Project (Obs4MIPs): Status for CMIP6" *by* Duane Waliser et al.

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This manuscript is informative. Given the use of the dataset collections in Obs4MIPs (and beyond), these type of manuscripts help the data consumers acknowledge the work of Obs4MIP groups.

Some minor comments are presented below.

Page 4, L 21, Cite CMIP Experimental design, as needed.

Page 6, L4, Actual citation for COSP seems missing.

Page 13, L 16: Just to clarify, does this statement mean the CMIP6 data request was formed based on what will be present in obs4MIPs. Was this one of the factors or the

only factor?

Page 14, L2: TYPO: Specifications

Page 14, L4: Line spacing seems off.

Page 14, L11: Cite CMOR, as needed.

Page 15, L2: ? towards the end, seems incomplete.

Page 15, L21: How are the indicators linked to each dataset? Since line 22 mentions the values of indicators may change, is there any version control applied here, in addition to directly associating it with the dataset, say in the form of an attribute?

Page 17, L4: Registration process could be documented better to understand what "register" implies here.

Page 17, L10. Capability to supply SI is useful first step. Just a comment: For those users that script and download the data (thinking: synda like), but not necessary use the web interface, information like this may get lost.

Page 17, L18 onwards: This is motivating. But, citing or adding a figure or two from a publication that has used OBS4MIPS in the past would be a great example and addition to this manuscript.

Page 19, L3-4, If not already present: Nice future work that can complement this manuscript are documentation papers for each of the dataset in the OBS4mips collection.

Page 19, L8-10. I believe there is a DKRZ DOI related publication that needs to be cited here

Page 20, L5: Why not just- "specifically for climate model evaluation", rather than (climate).

Page 21, L23. The search facets and site look great. There is a typo in the ESGF site

itself. New dataset feautures. Data DOIs would be great additions in future.

Is the code to make datasets Obs4MIPs compliant (i.e CF compliant) also available openly? E.g CMOR, if that is being used, could be referenced via github.

In general, more references and pointers to help the community help with the Obs4MIPs effort would be nice. A guide to a new user as to how to suggest or add more OBS datasets under Obs4MIPS could be very helpful.

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