

## ***Interactive comment on “AMOC-emulator M-AMOC1.0 for uncertainty assessment of future projections” by Pepijn Bakker and Andreas Schmittner***

**A. Yool (Editor)**

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Dear authors,

As you can see, three referee reports have been submitted on your paper, together with an additional comment, and the discussion phase is now complete.

While your referees all remarked on the utility and potential of emulators for exploring uncertainty, all have also raised a number of significant issues with the work described in your manuscript. In particular, the relatively poor performance of the emulator has drawn attention, as well as the overly positive description of this in your manuscript. As they are simplified representations of models that are already simplified versions

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of reality, it is critical that emulators both perform well and have their shortcomings discussed. Both of which were found lacking here.

Please respond fully to all of the comments and criticisms raised by the referees.

If you have any questions, please do not hesitate to contact me.

With best regards,

Andrew Yool.

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Interactive comment on Geosci. Model Dev. Discuss., doi:10.5194/gmd-2016-79, 2016.

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