

# ***Interactive comment on “Simulation Improvements of ECHAM5-NEMO3.6 and ECHAM6-NEMO3.6 Coupled Models Compared to MPI-ESM and the Corresponding Physical Mechanisms” by Shu Gui et al.***

**Shu Gui et al.**

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Dear professor,

According to the other referee’s comments about the inter-model differences in the OGCM replacement case, we realized that surface evaporation is one part of the changes induced by ocean advection. The oceanic dynamical effect plays an important role in modulating the atmospheric and oceanic circulations through air-sea feedback. Other modifications in the manuscript are consistent with your comments.

Authors' response has been provided in the previous post, together with the marked-up version regarding each question in your comments. The attachment of this post only contains the revised manuscript.

Thank you for your time.

Sincerely,

Gui Shu

Please also note the supplement to this comment:

<https://www.geosci-model-dev-discuss.net/gmd-2018-130/gmd-2018-130-AC7-supplement.pdf>

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Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2018-130>, 2018.

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