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Interactive comment

Interactive comment on "A regional atmosphere-ocean climate system model (CCLMv5.0clm7-NEMOv3.3-NEMOv3.6) over Europe including three marginal seas: on its stability and performance" by Cristina Primo et al.

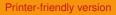
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Thanks for your paper. A good contribution. There are two citations in the section on the regional climate system models where I have added some comments.

p2, I26: Hordoir et al. (2018) coupled the NEMO-NORDIC model to CCLM I think this should be: Pham et al. (2014) coupled the NEMO-Nordic model to CCLM p4, I24: This is the so-called NEMO-NORDIC (Hordoir et al., 2018),



Discussion paper



The model version discussed in Hordoir et al., 2019 is quite different from the one used in the present study. They use NEMO 3.6 with a lower effective resolution than the NEMO-Nordic coupled to CCLM. The NEMO-Nordic version based on NEMO 3.3 which is used here has been described by e.g. Dieterich et al., 2019 and Gröger et al., 2019.

- Dieterich, C., Wang, S., Schimanke, S., Gröger, M., Klein, B., Hordoir, R., Samuelsson, P., Liu, Y., Axell, L., Höglund, A., and Meier, H. E. M.: Surface Heat Budget over the North Sea in Climate Change Simulations, Atmosphere, 10, https://doi.org/10.3390/atmos10050272, 2019.

- Gröger, M., Arneborg, L., Dieterich, C., Höglund, A., and Meier, H. E. M.: Summer Hydrographic changes in the Baltic Sea, Kattegat and Skagerrak projected in an ensemble of climate scenarios downscaled with a coupled regional ocean-sea ice-atmosphere, Climate Dynamics, accepted, 2019.

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