Geosci. Model Dev. Discuss.,
https://doi.org/10.5194/gmd-2017-138-AC3, 2017

Geoscientific Model Development Discussions

Interactive comment on "Modular System for Shelves and Coasts (MOSSCO v1.0) — a flexible and multi-component framework for coupled coastal ocean ecosystem modelling" *by* Carsten Lemmen et al.

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Received and published: 27 November 2017

We thank Dr. Jöckel for bringing to our attention the recent developments in the Modular Earth Submodel System (MESSy Jöckel et al. 2005).

We stated in our manuscript that "a typical process coupling infrastructure like the ... MESSy ... so far includes mostly atmospheric processes". Dr. Jöckel's comment advises us that since the development cycle 2 of MESSy (Jöckel et al., 2010), they "do not longer distinguish between process and domain coupling from the technical per-

spective, but consider more the granularity on which model components are coupled".

As Dr. Jöckel notes, this cycle 2 development is in line with our statement "The differentiation between domain and process coupling is not a technical necessity"; in an updated version of the manuscript we will be happy to reference the relevant MESSy developments and their consideration of granularity rather than domain vs. process coupling; their prior work (e.g. Kerkweg and Jöckel, 2012) substantiates the MOSSCO coupling approach that also does not differentiate per se between process and domain coupling.

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Interactive comment on Geosci. Model Dev. Discuss., https://doi.org/10.5194/gmd-2017-138, 2017.