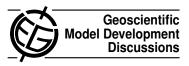
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Interactive comment on "MEDUSA: a new intermediate complexity plankton ecosystem model for the global domain" *by* A. Yool et al.

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I would like to point out that there is already a model called MEDUSA (*Model of Early Diagenesis in the Upper Sediment (A)*), published by Munhoven (2007). That model has been used for studying the evolution of the carbon cycle over glacial-interglacial time scales (Munhoven, 2007, 2010). It is, however, also being actively used for studying the impact of future ocean acidification on carbon cycling between the ocean, atmosphere and the surface sediment (e.g., Munhoven, 2008, 2009).

Because of this overlap in the research areas, I feel that, having two models with the same name will lead to considerable confusion.

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References

- Munhoven, G.: Glacial-interglacial rain ratio changes : Implications for atmospheric CO₂ and ocean-sediment interaction, Deep-Sea Res. II, 54, 722–746, doi:10.1016/j.dsr2.2007.01.008, 2007.
- Munhoven, G.: Longterm Neutralization of Anthropogenic CO₂: The Role of Changing Basin-to-Shelf Partitioning of Carbonate Burial, in: Second Symposium on The Ocean in a High-CO₂ World, Monaco, 2008.
- Munhoven, G.: Future Ocean Carbonate Compensation Depth and Calcite Saturation Changes: The Hidden Face of Ocean Acidification, in: 8th International Carbon Dioxide Conference, Jena, Germany, 2009.
- Munhoven, G.: The Rain Ratio Hypothesis: Can it be Rescued? in: European Geosciences Union General Assembly 2010, Vienna, Austria, http://meetingorganizer.copernicus.org/ EGU2010/EGU2010-5595.pdf, 2010.

Interactive comment on Geosci. Model Dev. Discuss., 3, 1939, 2010.