Second review on the paper entitled “Interactive ocean bathymetry and coastlines for simulating the last deglaciation with the Max Planck Institute Earth System Model ‘” by Virna Loana Meccia and Uwe Mikolajewicz.

The new manuscript is fine for me and may be published in GMD.

I have now very minor comments

First, I agree that this paper copes with an important issue: accounting for sea level rise during deglaciation. The automatic solutions provided in this study is a step forward for transient simulations of the deglaciation. The fact that the study well captured chronology of sea level during the last 30ka with abrupt phases and more linear behavior is still not very clear. The time step 500 years is a severe limitation. This is why I suggest that the authors more clearly contrast the strong points of their study which are indeed a serious added value and the limitations in terms of capturing the real chronology of the deglaciation at high temporal resolution (YD, HE, MWP).

My second comment concerns the responses to my initial questions at the first round of the revision. The authors answered satisfactorily to most of my queries and clarified the manuscript. Nevertheless, they often argued that they choose to submit their manuscript to GMD because it is a rather technical paper and scientific questions will be tackled in future publications. I only partially agree with that answer. On the one hand, this method will certainly allow to investigate new questions and indeed it is an efficient tool and an important prerequisite to provide more realistic deglaciation runs with AOGCM, On the other hand, the method has to be validated to prove that in real cases, all these developments are useful. That is why I consider that the authors have to better emphasize the interest of their method comparing in more details their results with transient simulation without changing sea level and continental distribution.

In any case, we have there a good piece of work and the paper can be published directly.