

Dear Editor,

The revised version of our manuscript "CD-type discretization for sea ice dynamics in FESOM version 2" includes the changes recommended by the reviewers. In particular, we have edited the text as asked by the first reviewer, and added the citation requested by the second reviewer. In addition to that we corrected some typos (in captions of figures 3 and 4), and slightly edited some sentences through the text to improve their readability. A paragraph was added at the end of section 4 to discuss the citation recommended by the second reviewer, and a new paragraph has been added at the end of Discussions to present further possible extensions. The main body of the manuscript is the same as in the original submission.

The track-changes file shows the major changes in blue. Unfortunately, we did not preserve the tex file of the original submission to run latexdiff. The track-changes file was made by comparing with the original pdf version; it misses some minor corrections (like inserted commas or corrected typos). We however hope that these minor things are not essential.

The authors