

Geosci. Model Dev. Discuss., referee comment RC2  
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## Correction

Marcello Vichi (Referee)

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Referee comment on "The importance of turbulent ocean–sea ice nutrient exchanges for simulation of ice algal biomass and production with CICE6.1 and Icepack 1.2" by Pedro Duarte et al., Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2021-58-RC2>, 2021

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For sake of generality and completeness, the vertical velocity used in the formulation of the advective component (eq. 2 in the previous comment) could also be due to gravity drainage or percolation, and not only to sea-ice growth or melt as erroneously indicated.

Hence  $w = w_i + w_d$ , where  $w_i$  is the entrapment/melting (positive or negative) and  $w_d$  is the drainage velocity (always negative if the system of reference is oriented upward).