

## ***Interactive comment on “Simulating oceanic radiocarbon with the FAMOUS GCM: implications for its use as a proxy for ventilation and carbon uptake” by Jennifer E. Dentith et al.***

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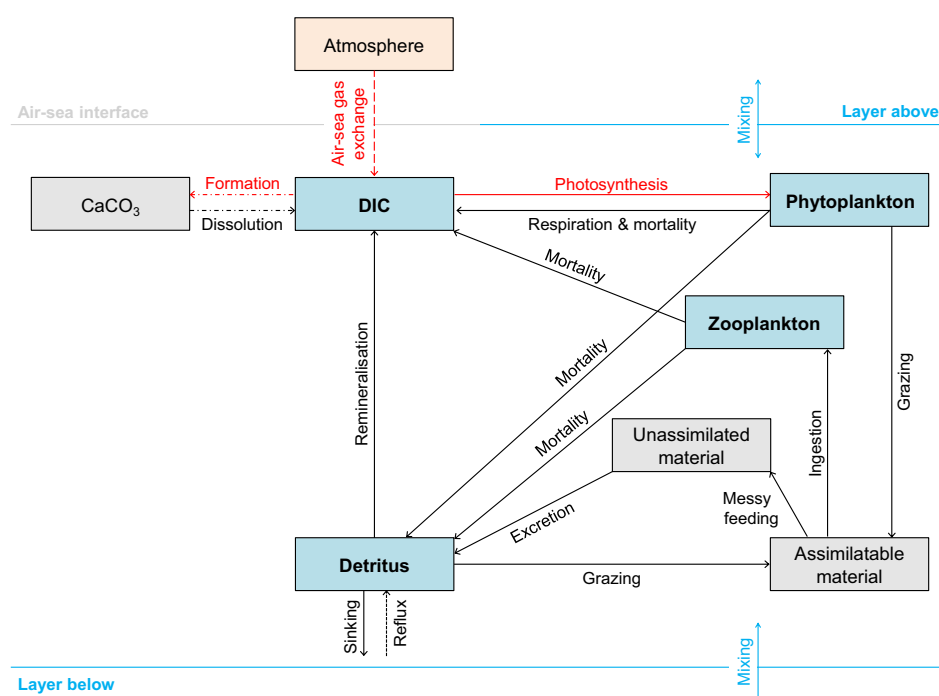
Please find our response in the attached PDF.

Please also note the supplement to this comment:

<https://www.biogeosciences-discuss.net/bg-2019-365/bg-2019-365-AC2-supplement.pdf>

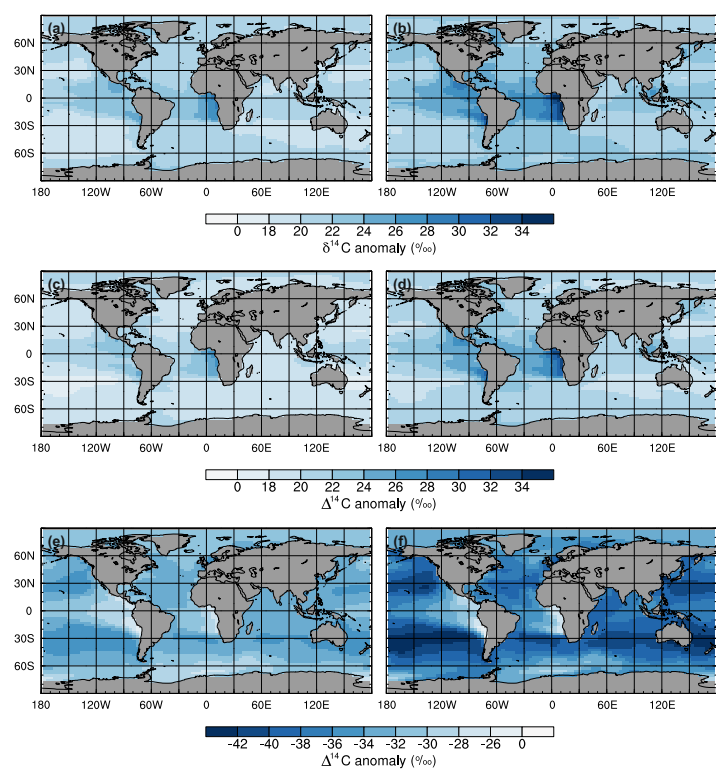
Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2019-365>, 2019.

C1



**Fig. 1.** Schematic overview of the biotic <sup>14</sup>C implementation (from Dentith et al., in review, <https://doi.org/10.5194/gmd-2019-250>)

C2



**Fig. 2.** Differences in the biotic and abiotic tracers in the surface ocean at the end of the spin-up simulation (years 9900 to 10,000, left) and during the 1990s (right)