

Earth Syst. Sci. Data Discuss., community comment CC1  
<https://doi.org/10.5194/essd-2021-159-CC1>, 2021  
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## Comment on **essd-2021-159**

Sarah Magozzi

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Community comment on "Description of a global marine particulate organic carbon-13 isotope data set" by Maria-Theresia Verwega et al., Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2021-159-CC1>, 2021

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Dear Maria-Theresia Verwega et al.,

Thanks very much for this thorough manuscript and for the valuable dataset of global  $\delta^{13}\text{C}$  POC measurements that you compiled.

This dataset is highly valuable as a validation tool for process-based isotope-enabled models, and provides potential for the construction of global data-based models of the spatio-temporal distributions of stable isotopes in marine ecosystems. It therefore finds application in a variety of research and technical fields. Please find a few comments/questions in the attached doc, hopefully these are constructive and will help you improving the manuscript. I recommend this manuscript for publication after my comments are addressed or discussed.

Thank you, and best regards.

Please also note the supplement to this comment:

<https://essd.copernicus.org/preprints/essd-2021-159/essd-2021-159-CC1-supplement.pdf>