Earth Syst. Sci. Data Discuss., community comment CC1
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Comment on essd-2021-159

Sarah Magozzi

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

Dear Maria-Theresia Verwega et al.,

Thanks very much for this throrough manuscript and for the valuable dataset of global d13C 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 construtive and will help you improving the manuscript. I recommend this manusctipt 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