

Interactive comment on “CO₂ and CH₄ fluxes are decoupled from organic carbon loss in drying reservoir sediments” by Tricia Light et al.

Anonymous Referee #1

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This paper reported results of incubation experiment for reservoir sediments. The authors found that CO₂ emitted from organic matter degradation partly weathers carbonates in sediments, which apparently reduces CO₂ outgassing into the atmosphere. This sounds like very interesting to me and the authors did a really good job. I was wondering if the authors could a little bit more expand their discussion to the global carbon cycling in a drying world. To what extent do the authors think should the current CO₂ budget be revised if the carbonate weathering under the reservoir dryness is taken into account? Is this a trivial or negligible effect on the increasing temperature on this planet? Maybe one or two paragraph discussion would be beneficial for future researchers to follow this great work.

Interactive comment on Biogeosciences Discuss., <https://doi.org/10.5194/bg-2019-128>, 2019.