Response of Authors on Manuscript Entitled: "Ecosystem-specific patterns and drivers of global reactive iron mineral-associated organic carbon (bg-2023-59)"

Dear Editor,

Thank you for your letter and for the reviewers' comments concerning our manuscript entitled "**Ecosystem-specific patterns and drivers of global reactive iron mineral-associated organic carbon** (bg-2023-59)". We have studied comments carefully and have made corrections which we hope meet with approval.

Response to the editor decision:

(With brown characters as the original comments and suggestions)

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1. line 20, not sure it can be 0 (from 0 to 83.3).

{Response} Thank you for your valuable comments. After a comprehensive search of the published literature, we found that there were several articles in which no Fe-OC was detected, or even negative values.

References:

Peter, S., Sobek, S., 2018. High variability in iron-bound organic carbon among five boreal lake sediments. Biogeochemistry 139, 19-29. https://doi.org/10.1007/s10533-018-0456-8

Wagai, R., Mayer, L.M., 2007. Sorptive stabilization of organic matter in soils by hydrous iron oxides. Geochimica et Cosmochimica Acta 71, 25-35. https://doi.org/10.1016/j.gca.2006.08.047