

Interactive comment

Interactive comment on "Drainage reduces CO₂ uptake and increases CO₂ efflux by a Siberian floodplain due to shifts in vegetation community and soil thermal characteristics" by M. J. Kwon et al.

Anonymous Referee #2

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The topic of the submission is undoubtedly of interest to the readership of Biogeosciences Discussions as it presents some interesting data arising from an experimental manipulation and its impacts upon ecosystem functioning plus gas exchange in a floodplain. Of particular note is the attention to phenomena during the frozen season as well as the thaw season. However, my greatest criticism of the overall project is why investigate COÂň2 exchange in such temporal and spatial detail and yet completely ignore methane, and for that matter nitrous oxide exchange and changes both spatially and temporally. It is surely the balance of changes between these contrasting greenhouse gases, of differing radiative forcing strength and atmospheric concentrations that

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clear how the data from 2003 form a reference! Lines 175-181: I find the explanation

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in the text where small edits of the correct word are required for clarity of the narrative.

There are too many to list here, but a native English speaker should be consulted to address these shortfalls. This is the worst such manuscript in this respect that I have read in some years.

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