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Interactive comment on "Methane oxidation potential of the arctic wetland soils of a taiga-tundra ecotone in northeastern Siberia" *by* Jun Murase et al.

Anonymous Referee #1

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The Manuscript on the methane oxidation potential in soils in Siberia reports on different experiments and measuremts performed over several years in northeastern Siberia. As the methane oxidation in soils and especially in the tundra is very patchy and few data on the influencing parameters are available, this study helps to cover this gap of knowledge. However, the presentation of the results is nor sufficient. It is not clear which measurements were done in which year, at exactly the same site?? Also the purpose of the inhibitor experiments and its discussion is not clear and not easy to follow. Thus, I have made several detailed comments to the M&M section and the result section in the attached pdf-file.

Printer-friendly version

Discussion paper

Please also note the supplement to this comment:
https://www.biogeosciences-discuss.net/bg-2019-98/bg-2019-98-RC1-supplement.pdf

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