

The revised manuscript by Järvi-Laturi et al. presents very valuable findings of vegetation-driven year-round methane flux variation in a northern fen. One of the greatest contributions to the field of methane research in this manuscript is the inclusion of non-growing-season methane flux data and the presented evidence of vegetation contribution to wintertime methane fluxes. I think these results are very interesting and the importance of these findings has been highlighted more clearly in the revised version. I believe that this paper will motivate more researchers to study wintertime methane fluxes and particularly the contribution of plants to them, an aspect that has been lacking for a long time.

I recommend accepting the revised manuscript as is.