

***Interactive comment on “Short communication: a new dataset for estimating organic carbon storage to 3 m depth in soils of the northern circumpolar permafrost region” by G. Hugelius et al.***

**G. Hugelius et al.**

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Dear Reviewer

Thank you for these constructive comments regarding our manuscript. We would like to address your two major concerns below:

1. We certainly agree that this short communication focuses mainly on describing methodology and more general properties of the dataset. We feel that the current manuscript agrees well with the scope of the ESSD journal and with the intended scope of the short communication, but we agree that some basic statistics and an

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updated map would strengthen the manuscript greatly. We will add this to an updated manuscript.

2. We fully agree that quantified uncertainty estimates are needed for this type of data. However, we would like to refer to a manuscript in preparation (Hugelius et al., in prep.) which deals more exhaustively with the question of uncertainties of permafrost SOC estimates. An in depth analysis of this would fall outside of the scope of this short communication manuscript and it would also be disparate in the sense that it would not include any estimate of uncertainties in soils above 1 m depth as this data is not part of the manuscript.

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