

## ***Interactive comment on “Permafrost-Affected Soils of the Russian Arctic and their Carbon Pools” by S. Zubrzycki et al.***

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This paper is interesting and quite original in topic, structure and presents a modern generalization of data on soils carbon pools and stock in Russian sector of Antarctic. I have to comments: 1. Why did You write that Antarctica is presented by extremely cold and salt-riched areas? you mind only the publications, devoted to the Dry valleys region, but not to sub-antarctic tundras and barrens. Even some antarctic oasises presented by acid soils with high stocks of TOC. I think that C stocks in antarctic soils is underestimated. In this context Please be more precise in definition. 2. C to N ratio more than 100 units (in table 2) is very unusual even for nitrogen poor soils. This is especially imposible in horizons with frequent amount of roots, I think that this is anlythical mistake.

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Interactive comment on Solid Earth Discuss., 6, 619, 2014.

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