

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

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Received and published: 18 March 2014

We thank Evgeny Abakumov for the short comment posted in the interactive discussion of our manuscript.

Response to Comment 1: Our manuscript deals with data describing the Carbon pools in the Arctic, with the special consideration of Russian Arctic regions. In our introductory chapter we mention that besides the areas of our interest in this given manuscript, permafrost is present in high mountains of the Earth and the ice-free areas of Antarctica. Within this general description, we mention the small extent of Antarctic soils and their general cold and salt-rich environment (page 621, lines 25-29). We are aware of the presence of oases with special, organic rich soils in Antarctica. However, we decided to remain focused to our actual topic, the Arctic, and not to extend the intro-

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duction.

Response to Comment 2: We have to thank Evgeny Abakumov for his very attentive reading of the manuscript. He found an error, which is important for the results we present. In Table 2 on page 643 a wrongly calculated C/N ratio for one horizon is presented (line 14), which was due to a typing error in the calculation table. After correction the re-calculated C/N ratio has the much more reasonable value of 17.5.

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