

Interactive comment on “Micromorphological characteristics of sandy forest soils recently impacted by wildfires in Russia” by Ekaterina Maksimova and Evgeny Abakumov

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Dear Referee! Thank You very much for your comments to my manuscript. I have changed the manuscript according to your suggestions, these changes are highlighted by blue color, the following comments I have made to Your recommendations:

Yes, dynamics of erosion processes was not quantified by special equipment indeed because that was a scope of the research. But these erosion processes were detected while morphological description of plots was being conducted. A wide distribution of coal pieces, a total absence of forest floor remnants and its transformation into ash was diagnosed in 2010 immediately after fires. At the beginning of the research (2010), thick black horizons were observed on the soil surface, while in the summer of 2011,

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they were present as only a thin layer on the surface. This testifies to the influence on erosion, as the soil surface has been affected by precipitations after the disappearance of forest floor. This phrase “Processes of soil erosion are clearly manifested...” means that erosion processes appear in one year after wildfires because of precipitations and illuviation of organic matter to the medium part of the profile.

Thank You very much!

With kind regards, Corresponding author Ekaterina Maksimova

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Please also note the supplement to this comment:

<http://www.solid-earth-discuss.net/se-2016-173/se-2016-173-AC4-supplement.pdf>

Interactive comment on Solid Earth Discuss., doi:10.5194/se-2016-173, 2017.