

## ***Interactive comment on “Technical note: A new approach for comparing soil depth profiles using bootstrapped Loess regression (BLR)” by A. M. Keith et al.***

**C. Poeplau (Referee)**

christopher.poeplau@slu.se

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The manuscript presents a helpful and sophisticated approach to investigate differences in soil properties at any depth. It is well written and understandable. Together with the given link to the web application it might become very useful. I therefore suggest accepting it after minor revisions. Minor issues: The authors use different terms when talking about soil organic carbon (SOC), such as soil C, organic C, soil organic matter. . . Please introduce SOC and use it throughout the manuscript. L12-13: The authors used “take place” in both sentences, which is not very elegant. Maybe you could replace that by “occur” in the second sentence. Section 4: Could you think of 1 or 2

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other examples from environmental science, in which this approach could be useful?

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Interactive comment on Biogeosciences Discuss., 12, 19199, 2015.

**BGD**

12, C8983–C8984, 2016

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