

Interactive comment on “Vertical patterns of soil carbon, nitrogen and carbon: nitrogen stoichiometry in Tibetan grasslands” by Y. H. Yang et al.

Anonymous Referee #1

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This is an interesting and detailed study, especially the comparison of vertical patterns of C and N on a local and regional scale based on the own data and data available from the literature. The pattern of decrease detected in this study is of particular relevance in the context of establishing soil organic matter inventories, filling an important white spot on the global soil C map. Methodologically, the paper is in my opinion correct as well. However, language and structure could be improved, for example the rather lengthy description of the study area in the introduction should be changed. Furthermore, the quality of the English should be checked. The study would also be more worthwhile if the discussion of the soil ecology was expanded to link the results into a process-related framework, enabling improved estimates of C inventories on a larger scale.

C18

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