Interactive comment on “Estimating soil erosion risk and evaluating erosion control measures for soil conservation planning at Koga Watershed, Ethiopian Highlands” by Tegegne Molla and Biniam Sisheber

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Received and published: 16 September 2016


OUTLINE AND GENERAL APPRECIATION This is a conventional study on soil erosion rates estimated by the RUSLE equation, with indication of conservation measures for soil loss attenuation. It brings nothing conceptually new but it provides insights on soil erosion of a specific region of Ethiopia (the Koga watershed). The study is well written
and documented and merits publication in Solid Earth, with a minor revision.

CONCERNS I have no concerns on this paper.

MINOR COMMENT 1) In lines 15-16 of page 1, the authors should include the environmental land use conflicts (ELUC) as another major cause of soil loss amplification, as recently recognized by Pacheco et al. (2014) and Valle Junior et al. (2014). The ELUC are related to land uses not conforming to soil’s capability, meaning that are uses which deviate from the soil's natural use (e.g. practice of agriculture in soils solely capable of being used for forestry). Apart from the amplification of soil erosion, the ELUC have been demonstrated to provoke a decline in soil fertility (Valera et al., 2016). Somehow, these aspects of soil erosion / decline of soil fertility should be referred to in the revised manuscript.

RECOMMENDATION Minor revision 14 September 2016


Interactive comment on Solid Earth Discuss., doi:10.5194/se-2016-120, 2016.