

Author's Response:

Characteristics and causes of natural and human-induced landslides in a tropical mountainous region: the Rift flank west of Lake Kivu (DR Congo)

January 19, 2023

Dear editor,

Thank you for having accepted the manuscript.

With respect to the statement in line 128, we refer to a work (Depicker et al., 2021b) that is targeting erosion associated with the occurrence of new shallow landslides. The erosion is among other things defined from a combination of landslide frequency and landslide size assessments.

We have clarified the sentence. Here is what we propose: “A more detailed investigation of the annual evolution of the forest cover over the last 20 years showed that deforestation increases [the erosion due to the occurrence of new shallow](#) landslide erosion 2-8 times during a period of approximately 15 years before it eventually falls back to a level similar to forest conditions.”

We have corrected the typo in line 549. The two sentences are now merged: “Despite its high precision, and the fact that with more than 2700 mapped landslides we have identified more than three times as many features as in the inventory of [Depicker et al. \(2020\)](#), [we](#) are aware that the dataset is still incomplete.”

Thank you for your comments.

Best regards

Jean-Claude