

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