

Dear Referee #2,

Thank you very much for your comments, we changed the text accordingly and we adjusted the units and labels at all figures.

- *Line 22 RAMMS, should write the full name at first appearance.*

Thank you for this remark. We added the full name (see in bold).

We simulated avalanches on a different elevation models (LiDAR-based) to observe a potential influence of a DSM and a digital terrain model (DTM) using simulation tool **Rapid Mass Movement Simulation** (RAMMS).

- *Line 34 something went wrong here*

....and ecosystem services (*Koponen et al., 2004*; *Wu et al., 2018*).

Quantifying surface roughness is thus central for the estimation of various biophysical characteristics and ecosystem services (Koponen et al., 2004; Wu et al., 2018).

- *Figure 4 you used the format as m2, but you also used the format as m-2 in other places, please be unified.*

Thank you for this observation, we changed the format to m^2 throughout the manuscript (including all the figures) to refer for the moving window area.

- *Figure 4 the labels of the y-axis are impossible to read.*

We increased the size of the labels.

- *Figure 5 why you changed the label of the sub-picture from English to number?*

We have not changed Figure 5 from the first submission. The labels are numbers for easier reference and have the name in English above each sub-picture as well.