

Dear Editor,

Please find here below my second review of the paper nhess-2017-20 R1:

Interactions between the accumulation of sediment storage and debris flow characteristics in a debris-flow initiation zone, Ohya landslide body, Japan

By

Fumitoshi Imaizumi, Yuichi S. Hayakawa, Norifumi Hotta, Haruka Tsunetaka, Okihito Ohsaka, Satoshi Tsuchiya

The paper has been greatly improved, the authors made it easier to follow. Nevertheless, some points have to be clarified:

- As α_1 and α_2 are described in section 2, it will be nice to remind their meaning later within text, or change their name like: α_d (for dry) and α_{fs} (for fully saturated), this will be easier for the reader to remember.
- In figure 2, I still do not understand where the Ohya landslide is? If I look at the figure landslide = catchment area, which is strange for me.
- P11 line 17: linear instead of liner?
- Legend figure 6: “hydrograph” appears only here in the caption could you make the link with the text (ultrasonic sensor?) and reminds where it was located P1 or P2?
- P18 section 5.3: In my opinion, you must clarify about the term “Bed profile”, “longitudinal channel profile”. To which type of profile do you refer always the longitudinal one?
- Table 3: the gradient are in degrees. If so please add the “°”

If the the authors solved these problems in my opinion the paper will be a nice contribution to the scientific debate on debris-flow initiation.