

Interactive comment on “Towards a global database of rainfall-induced landslide inventories: first insights from past and new events” by Odin Marc et al.

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Dear Editor,

Please find attached the detailed answer to both referees major and minor comments. These corrections have been implemented in the text, several supplementary figures have been added (width estimate validation, correlation of the storm parameters, correlation between landsliding and climate normalized rainfall , . . .), and several main text figures have been updated. The attached PDF contains a draft with marked changes.

We almost never opposed the referees comments, and performed some re-analyses

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as they suggested. Two modifications arise from these (re)-analyses : 1/ The correlation between storm duration and landslide position and slope faded, and is now only evocated. The result that rainfall induced landslides do not strongly oversample steep slopes remain and is characterized more robustly. 2/ A correlation between landslide scar areas and storm metrics was found and it is now presented and discussed.

The rest of our results and discussion presented before has not significantly changed and we hope is now clearer.

Please also note the supplement to this comment:

<https://www.earth-surf-dynam-discuss.net/esurf-2018-20/esurf-2018-20-AC3-supplement.pdf>

Interactive comment on Earth Surf. Dynam. Discuss., <https://doi.org/10.5194/esurf-2018-20, 2018>.

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