



***Interactive comment on “Short communication:
Runout of rock avalanches limited by basal
friction but controlled by fragmentation” by
Øystein T. Haug et al.***

Michael Krautblatter (Editor)

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Dear Dr. Haug and coauthors,

we have now received two detailed reviews of your paper "Short communication: Runout of rock avalanches limited by basal friction but controlled by fragmentation" from well-established experts in this field. Both highlight the importance and novelty of your paper. Reviewer 2 asks for minor revision but suggests a number of improvements regarding the discussion of scaling issues and prior work and provides detailed comments on a number of your statements in the specific comments. Reviewer 1 suggests

C1

major revisions and criticizes aspects of the presented mathematical model, the parameterization, the organization and discussion in the paper. In addition, a significant number of specific comments provide suggestions to improve the assumptions, the model, the parameterization (C2-C3) and the discussion (C4) of your paper. I suggest to carefully address the comments made by both reviews and to implement improvements in your paper as part of a moderate revision. Reviewer 1 indicated that he/she is willing to review the revised version of manuscript after the implementation of the changes.

All the best

Michael Krautblatter

Interactive comment on Earth Surf. Dynam. Discuss., <https://doi.org/10.5194/esurf-2020-76>, 2020.