

Interactive comment on “Topographic uncertainty quantification for flow-like landslide models via stochastic simulations” by Hu Zhao and Julia Kowalski

Anonymous Referee #2

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Reply to “Authors’ reply to reviewer #2 “ on “Topographic uncertainty quantification for flow-like landslide models via stochastic simulations” by Hu Zhao and Julia Kowalski
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Overall, my initial comments, a constructive suggestion, are taken properly. The first comment was about a time difference of data acquisition, a part of which was related to the ambiguity of the timing. I mistook the 5 m HK-DTM to have been taken prior to the mishap. The authors clarified that both the 5 m HK-DTM and 2 m DEM were created after the 2008 landslide event. The point is well described in the modified sentences as caused by infrastructural factors, reflecting my first comment.

C1

The second comment was about a feedback, or the mentioning thereof, of the authors’ results to the 2nd JTC1 workshop participants for future revision etc. The authors chose to retell the importance of DEM uncertainty and computational challenges instead. That may be one way to pass on results to ex-participants, who will supposedly read this article. We cannot confront all uncertainties at one time methodically and for research resource binding, of course. The authors dealt the limitation issue wisely in the addendum.

The third comment was rather minor, but seems conducive for readers to draw attention to the data source acquired, field mapping as opposed to aerial photos in this case. It is really important that the inclusion of vegetation in 5 m HK-DTM to be taken note. Increase use of Lidar, replacing field survey, would provide both layers in more detail. Effects of vegetation coverage on gauge beds would be a subject in not-so-distant years.

I am grateful for being a part of review process for fruitful discussion. Thank you.

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C2