

Interactive comment on “Including informal housing in slope stability analysis – an application to a data-scarce location in the humid tropics” by Elisa Bozzolan et al.

Anonymous Referee #1

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Including informal housing in slope stability analysis—an application to a data-scarce location in the humid tropics

This paper studies the effect of informal housing on the slope stability using an improved mechanistic model CHASM (Combined Hydrology and Stability Model). This is an interesting topic, although this is rarely accounted for landslide hazard assessment. Hence, the reviewer does not suggest the current manuscript for publication. The manuscript needs a major revision.

Some comments for the revision. (1) The study site map should be added to the
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reviewed manuscript. Meanwhile, the basic geological setting and rainfall information may be helpful to readers. (2) The thickness of the soil layer is crucial to the model calculation. How to consider the question in the improved model? (3) According to the reviewer’s knowledge, the point water sources from informal housing may be closely related to preferential flow practically. Does your new model take into account the preferential flow?

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