

Interactive comment on “Forecasting dam height and stability of dams formed by rock slope failures in Norway” by Thierry Oppikofer et al.

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Received and published: 11 August 2020

Thank you for your review and your comments in the manuscript.

Indeed, the manuscript focuses on a semi-empirical approach to assess the height and stability of landslide dams and not on numerical modelling. The approach is intentionally kept relatively simple for the purpose of first-order regional susceptibility and hazard assessment of large unstable rock slopes. The comparison with results from numerical modelling on possible future rockslide dams in Norway was chiefly to highlight the potential and also limitations of the semi-empirical approach in assessing dam height and stability.

Based on your suggestions, we will however add a method and result section on the

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numerical run-out simulations that provide the thickness of deposits and thus the dam height.

We will also consider your other comments provided in the marked-up document, including a change of title, shorting of figure and table captions etc.

Best regards

Thierry Oppikofer & co-authors

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2020-135>, 2020.

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