

Interactive comment on “Evolution of events before and after the 17 June 2017 landslide at Karrat, West Greenland – a multidisciplinary approach for studying landslides in a remote arctic area” by Kristian Svennevig et al.

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Received and published: 24 September 2020

Thank you for taking the time to review our manuscript. We have accommodated your suggestions and it has substantially improved the manuscript.

We have restructured the paper significantly and made the aim of the paper more clear in the title, abstract and introduction: “Our aims with this study are twofold: to understand the processes that led to the disastrous Karrat 2017 rock avalanche and the continued threat from the area, and to explore our ability to detect and locate rock

C1

slope failures and ultimately to assess the associated hazard in an inhospitable climate with very difficult access” We have furthermore updated the physiography according to your suggestions but have not gone into a detailed description of the bathymetry and tsunami as this is beyond the scope of this paper. The tsunami has been described and modelled by Paris et al 2019.

We have elaborated on the methodology describing the workflow in more detail and described the individual components in more detail.

For a detailed overview of the changes made we refer to the reviewer comments overview document attached here and the updated manuscript we resubmit.

Kind regards on behalf of the authors Kristian Svennevig

Please also note the supplement to this comment:

<https://esurf.copernicus.org/preprints/esurf-2020-32/esurf-2020-32-AC3-supplement.pdf>

Interactive comment on Earth Surf. Dynam. Discuss., <https://doi.org/10.5194/esurf-2020-32>, 2020.

C2