

Interactive comment on “Controls on the formation of potential landslide dams and dammed lakes in the Austrian Alps” by Anne-Laure Argentin et al.

Anonymous Referee #2

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I have revised the article “Controls on the formation of potential landslide dams and dammed lakes in the Austrian Alps” submitted by Anne-Laure Argentin and co-authors. The article discusses modeled landslides, landslide dams and dammed lakes, introducing an approach that combines a probabilistic approach to determine landslide release areas and a fluid dynamic model to compute runouts. The article is interesting but requires revisions before publications. A short introduction of the study area and available data should be added in chapter 2. It's not very clear what type of failures you model (debris flow, slide). Several comments are reported throughout the text. The manuscript should be revised by an English speaking person before publication.

Please also note the supplement to this comment:

<https://nhess.copernicus.org/preprints/nhess-2020-326/nhess-2020-326-RC2-supplement.pdf>

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2020-326>, 2020.

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