

Interactive comment on “Inferring potential landslide damming using slope stability, geomorphic constraints and run-out analysis; case study from the NW Himalaya” by Vipin Kumar et al.

Anonymous Referee #2

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Paper leaves the dual impression. Authors present a lot of data, numerous characteristics and parameters. At the same time it is difficult to understand if landslides at the studied sites had occur already or they are just expected. How one can confirm that the parametrs of the assumed landslide dams are estimated correctly or not? Large parts of the text with numerous quantitative parameters can be replaced by tables that will be much easier to follow. I would suggest to rework the paper. First - clearly indicate what landslide that you mentioned had really occurred and what is just an unstable slope that might fail. It is especially important for rock avalanches - before such type of

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landslide occur we cannot be sure that it will not move just as a rockslide. Second - it will be very useful to analyze at least several case studies of past real river-damming landslides that can be used as a ground truth to check the reliability of the proposed approach.

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