

Nat. Hazards Earth Syst. Sci. Discuss., referee comment RC2
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Comment on nhess-2022-11

Anonymous Referee #2

Referee comment on "Automated avalanche hazard indication mapping on a statewide scale" by Yves Bühler et al., Nat. Hazards Earth Syst. Sci. Discuss.,
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The paper entitled "Automated avalanche hazard..." presents an automated approach to generate spatial continuous hazard indication mapping in the Swiss Alps. The topic is interesting and valuable, and the manuscript is also readable. Nevertheless, the manuscript looks like an operation manual instead of a research article. More quantitative results and further detailed discussion are anticipated. I think a major revision is needed before the manuscript is accepted for publication in the journal NHESS.

Other detailed comments are shown as follows:

- Abstract. No quantitative result is found here.
- Introduction. Might you let me the objective(s) of this study?
- Methods. The part may be revised to be greatly concise.
- Results and validation. Table 1 is not easy to understand. Does "2'056" mean "2 056" or "2.056"? Same questions exist in Table 3, page 15.
- Conclusions. The part is also needed to be simplified. For example, in this part a conclusion is only concluded from your own study and the thus conclusions from references, e.g., the sentence in line 36, page 18, "Today, such information can be deducted from satellite data (Sykes et al., 2021)", may be erased.