

Interactive comment on “Mapping snow avalanches hazard in poorly monitored areas. The case of Rigopiano avalanche, Apennines of Italy” by Daniele Bocchiola et al.

Anonymous Referee #2

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The paper deals with snow avalanche hazard mapping carried in situations when no historical avalanche data are present, like central Italy. In these cases, model tuning and data based assessment of avalanche return periods are hardly feasible. The idea is to We demonstrate that properly tuned 1D/quasi2D models can be used for avalanche modelling and that the use of regional scale analysis allows mapping for large return periods, reducing greatly the uncertainty against easier single site analysis.

The topic is interesting, however the scientific soundness of the paper is poor. Moreover, the case history called into play (namely, the Rigopiano Avalanche occurred in

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central Italy on January 2017) shows that local analyses are always preferable when dealing with specific hazard (e.g. building or infrastructures prone to avalanche impact).

Therefore, I suggest to reject the paper.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2018-358>, 2018.