

Interactive comment on “Basic features of the predictive tools of early warning systems for water-related natural hazards: examples for shallow landslides” by Roberto Greco and Luca Pagano

Anonymous Referee #1

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The manuscript describes some models, with examples of their application to three real cases of landslide, which can be adopted in early warning systems (EWS). Particular attention is paid when considering landslides characterized by a rapid evolution. As a whole, although it does not include any novelty, the manuscript is a good contribution to bring order on this filed of study. In my opinion, the manuscript is acceptable after minor revisions. More specifically: – The first three paragraphs should, in my opinion, be the subject of a larger synthesis (for example, the manuscript may substantially focus on the specific cases of landslide-related EWS by removing

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the phrases relating to the avalanche case). â€” Some details must be added with reference to the case studies (e.g., the occurrence dates of six Pessinetto debris-flows), to ensure the repeatability of the investigations carried out. â€” GA-SAKe, a more recent and flexible model must be cited/commented. This model does not need to pre-select a transfer function and is based on the same concepts of FLAIR. â€” Some typing errors should be removed and some phrases should be rewritten in a more correct/clear English language. Finally, these and some other minor comments are reported in the attached pdf file.

Please also note the supplement to this comment:

<https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2017-269/nhess-2017-269-RC1-supplement.pdf>

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2017-269>, 2017.