Nat. Hazards Earth Syst. Sci. Discuss., https://doi.org/10.5194/nhess-2019-104-RC2, 2019 © Author(s) 2019. This work is distributed under the Creative Commons Attribution 4.0 License.



NHESSD

Interactive comment

Interactive comment on "A new approach to mapping landslide hazards: a probabilistic integration of empirical and process-based models in the North Cascades of Washington, U.S.A." by Ronda Strauch et al.

Anonymous Referee #2

Received and published: 28 May 2019

The paper aimed to develop and test a methodology for the assessment of landslides hazard, which combines the probability of occurrence calculated through a data-driven approach and physically-based probabilistic model. The proposed approach is particularly innovative and interesting, compared with the typical approaches used for the assessment of landslides hazard. Instead, several parts of the work need to be clarified in the manuscript, in order to improve the overall quality and comprehension of the proposed approach and of the achievede results.

Proposed revisions follow:

Printer-friendly version

Discussion paper



NHESSD

Interactive comment

Printer-friendly version

Discussion paper



0.1) or highly unstable (> 0.9). Several Authors identified other ranges for the clas-

sification of the probability distribution. Please, discuss about this aspect. 10) It is necessary adding a section where the Authors will discuss about the main advantages and the limitations of their proposed approach, in particular compared with the typical methodologies used for the assessment of landslides susceptibility or hazard.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., https://doi.org/10.5194/nhess-2019-104, 2019.

NHESSD

Interactive comment

Printer-friendly version

Discussion paper

