

Interactive comment on “Characteristics and influencing factors of rainfall-induced landslide and debris flow hazards in Shaanxi Province, China” by Ke Zhang et al.

Anonymous Referee #2

Received and published: 18 October 2018

Dear Authors, I read your paper about landslides and debris flows analysis. In general the paper is well written and quite clear, it is well structured and results are presented in a proper form, but I have some remarks about it. At first you generally wrote about debris flow and landslide, but you should specify which type of landslide you considered. The main issues are about the interpolation of rainfall data, which have to be better described, since such an operation can lead to high estimation errors, since it does not take into account the morphology of the area. It is not clear how you defined the antecedent rainfall: you should use a fixed time interval (e.g. 30 days, see Aleotti, 2004), but it is not clear from the paper. Figures are too small, it is very hard to read the maps and the legends. Discussion section

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is not a discussion but it is mainly a state of the art summary. please modify the paper according to the comments in the attached file. I believe that the paper can be considered for publication once you clarify the comments that I reported. Best Regards

Please also note the supplement to this comment:

<https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2018-262/nhess-2018-262-RC2-supplement.pdf>

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2018-262>, 2018.

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