RE: NHESS 2017 416R1

Uzielli et al. Temporal evolution of landslide hazard for a road infrastructure in the Municipality of Nocera Inferiore, southern Italy, under the effect of climate change.

Overview

The authors improved the paper. However, there is a point to be exploited yet. The hazard they estimate, results from a probability calculation. Really, according to the Technical Italian Law, the estimation of hazard is quantitative and is usually obtained after considering three scenarios of different return period. The hazard the authors determine, seems a susceptibility hazard rather than a hazard. Therefore, the authors in the introduction should defining the hazard they are investigating after introducing the other hazard approaches. In this sense for clarity, they should also add that the “quantitative hazard” is determined in different way by using models able to simulate both deposition and entrainment (Deangeli, 2008, Rosatti and Begnudelli, 2013; Frank et al. 2015, Stancanelli et al. 2015, Cuomo et al. 2016, Gregoretti et al. 2018)

The following are the detailed comments to the unclear sentences.

At page 1 line 20, what does it mean “concentration scenario”?
At page 1 line 25, while (conversely)?????? The authors should choose one.
At page 1 line 25 there are two commas
At page 2, lines 21-22 not clear sentence
At page 2 line 27: references missing for the other studies
At page 3 line 7: The meaning of the sentence “Flow-like landslide……” does not match the manuscript: the reach probability is the second step after the triggering probability for estimating the hazard. It is not an added value, something more as the sentence shows.
At page 3, line 25: what is it ZOB? Please define it.
At page 3 lines 24-27: the difference between channelized and un-channelized is not clear.
At page 4, line 2 “….estimate of hazard and its mapping” is better
At page 4 the sentence “The study area was modelled into the GIS software through a digital terrain model (DTM) having a resolution of 15x15 m.” is rather unclear


