

Interactive
Comment

Interactive comment on “Integrating spatial and temporal probabilities for the annual landslide hazard maps in Shihmen watershed, Taiwan” by C. Y. Wu and S. C. Chen

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Received and published: 6 July 2013

Just a brief comment from my side: I would like to thank the referees for raising interesting issues that surely will help the authors in improving their manuscript. The paper treats a very relevant topic for the Taiwan community: landslide hazards and Typhoons. One of the addressed values of this work is the organization of the investigated area in sub-watersheds and slope units. Probably the section related to the “Available data and landslide susceptibility factors” needs to be improved with other details. Example: which moving window was used for the surface roughness calculation. Terrain roughness and slope roughness: why selecting two? I have feeling with roughness

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index (see Cavalli et al., 2008 paper published in CATENA): slope or elevation tend to present a similar performance in surface roughness calculation. What about the slope height? Any explanation about this parameter? What about the channel network used? Is this the real one or the one derived from DEM? And the faults database? Where are the faults in the Fig.1? A reader should understand all the details about how of these factors have been calculated, since there is a significant uncertainty behind this.

Interactive comment on *Nat. Hazards Earth Syst. Sci. Discuss.*, 1, 471, 2013.

NHESSD

1, C464–C465, 2013

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