



Interactive
Comment

***Interactive comment on* “Brief Communication: Landslides triggered by the $M_s = 7.0$ Lushan earthquake, China” by X. L. Chen et al.**

S. Qi (Referee)

qishengwen@mail.igcas.ac.cn

Received and published: 25 November 2013

The MS reports a case study from Lushan earthquake, which just occurred several months ago in China. It is very interesting. Some specific comments are listed below for the authors considering: (1) Please clarify the methodology used. For example, how to get the slope angle in MS? IS it based on DEM or based on field investigation? For DEM, please present its resolution. For a landslide covers two or more pixels, how to get its slope angle? (2) Section of 3.4, the MS indicates that "LPD value decreases with the strata turning old", however, "Q" and "E" always are soft and with gentle slope, it would be expected that "Q" and "E" have low LPD according to section of 3.3-which indicates the LPD increases with slope angle increasing. This section is a little confus-

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper



ing, I recommend that the authors give a little explanation on this aspect. (3) section of 4.2 "Criteria" should be "Criteria"? This section mentioned that "criteria of the landslide size". In fact, besides the landslide size, the area and the time Span (for example, Dai and Xu used two years later data after the event to research earthquake triggered landslides) also have great influence. According to study of Qi et al (2012), the landslide size has little influence on the distribution characteristics.

A moderate revision is recommended.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 1, 3891, 2013.

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

