Interactive comment on “Effects of finite source rupture on landslide triggering: The 2016 $M_W$ 7.1 Kumamoto earthquake” by Sebastian von Specht et al.

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I have read the paper with interest. The authors address a topic that is critical in assessment of spatial distribution of observed slope collapses in the aftermath of strong and moderate earthquakes. For that they have proposed a coherent and to the best of my knowledge, novel approach for explaining the issue at hand. Therefore I recommend publication after minor revision.

1. The unspecified landslide date are from NIED. Please discuss the possible uncertainties may cause by these data. In addition, how accuracy the coseismic inventory is, please also explain the possible mapping errors, and discuss how they will affect the results.

2. Figure 4: lines are not so visible. Fig.4 b and d are not well explained. Please use a better presentation of the data in this figure.

3. Figure 7: The explanation of this figure in the texts is not enough. Is this point density map? Do you consider the size of the landslides here?

4. Please explain the correlation between the unspecified landslides and the coseismic landslides? Are there any reactivations?

5. Some relevant and important references are missing:

Fan X et al (2018), published on Landslides journal: Coseismic landslides triggered by the 8th August 2017 Ms 7.0 Jiuzhaigou earthquake (Sichuan, China): factors controlling their spatial distribution and implications for the seismogenic blind fault identification.

On Page 3, line 8-9: Wenchuan earthquake has been well studied by many others, please also refer to: