

# ***Interactive comment on “Interactions between the accumulation of sediment storage and debris flow characteristics in a debris-flow initiation zone, Ohya landslide body, Japan” by Fumitoshi Imaizumi et al.***

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the phenomenon type (debris flow and hyperconcentrated flows) refers to what occurred in the monitored initiation area. The hyperconcentrated flow evolved in debris flow about 100 m downstream because of the progressive entrainment of bed material. About rainfall, in the second event (4th of August) terrain was in the intermediate saturated condition AMCII while in the first event it was AMCI (see Table 4 of Gregoretti et al., 2016). In fact runoff peak and volume of the second event are larger. The total

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mobilized sediment volume of the second event is about 10% smaller than that mobilized during the first event even if runoff peak and volume are smaller. This is explained by the different sediments availability, because the second event occurred before the channel recharged.

best wishes

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