

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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Dear Reviewer

Thank you for detailed explanation on characteristics of two debris flow events. Our monitoring at multiple sites also revealed that flow characteristics in the upper and lower reaches are sometimes different because of the erosion and deposition of the sediment during downstream migration. We have not published the result as a paper, but we would like to publish in the near future. Moisture conditions of deposits antecedent to rainfall would be another factor affecting initiation of debris flows and flow

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characteristics. However, initiation condition of debris flows and flow characteristics in the Ohya landslide can be explained by the characteristics of the rainfall triggering debris flow (this manuscript; Imaizumi et al., 2005, Canadian Geotechnical Journal). Influence of antecedent rainfall (moisture) seems to be not large. Characteristics of debris flow material, climate, and regional rainfall pattern possibly affect such small influence of the antecedent moisture conditions.

Sincerely yours,

Fumitoshi Imaizumi

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