

Interactive comment on “Potential Impact of Landslide and Debris Flow on Climate Extreme – A Case Study of Xindian Watershed in Taiwan” by Shih-Chao Wei et al.

Anonymous Referee #1

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The authors provide a manuscript dealing with landslides and debris flows in Taiwan, and their possible (coupled) dynamics due to climate change, assessed by a scenario approach.

However, the presentation of the content is very weak in terms of language, which makes it nearly impossible to follow the arguments in a logical way. The authors somehow state that they are assessing hazard chains or compound hazards (landslides triggered by heavy rainfall leading to debris flows), but at the present state of their manuscript I am unable to judge the content from a scientific point of view. Moreover, it remains unclear what exactly is meant by “slope-land processes”, maybe hillslope

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processes? It is common sense that changes in the process trigger (here: rainfall) will result in changes of process magnitudes and frequencies. . . assessing the impact would be interesting, also with respect to spatio-temporal dynamics (which is stated in the Abstract but I cannot find it in the Results and Conclusions).

Because of this weakness in language and presentation I simply recommend a rejection of the manuscript – the authors are not encouraged to re-submit this piece of work unless substantial improvements have been made (only then it will be possible to properly review the methods, results and discussion).

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