Natural Hazards
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Discussions

Interactive comment on "A hydro-sedimentary modelling system for flash flood propagation and hazard estimation under different agricultural practices" *by* N. N. Kourgialas and G. P. Karatzas

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The hydro-sedimentary modeling system, which has been developed by the authors assists in understanding the flood events and provides a good visualization for the decision makers. Generally it is clearly presented. The results and conclusions are coherent. BUT: There are some misleading statements about the objective of the study (first sentence of the abstract and page 5, first paragraphs). It is clear from the discussion part that this objective has been fulfilled and has been reported in previous publication of the team. Another objective, namely "To incorporate the relationships between riparian vegetation and flood propagation characteristics (flow velocity and sediment

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transport)" appears in the text and is much more appropriate for the current paper. I would advise the authors to re-phrase their main objective, otherwise the readers get confused. Having in mind that the paper reports a work on riparian vegetation, it would be useful to know how it was modeled. I did not manage to find which parameters in the model correspond to weed cutting scenarios; said with other words – what does it mean "40% weed cutting" in the modeling language? More emphasis is put on the development of the modeling system, which has already been well documented in previous publications, while the valuable contribution of the new work remains somehow hidden.

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