

## ***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 authors would like to thank Dr. Romanowicz for his valuable hints and critics. We hope that the alterations made to the text with the answers stated in this document will satisfy the Reviewer. Comment 1: The scheme of the system, similar to that shown in the authors' HP paper (2013), would be helpful. Reply: The above concern has been addressed; see figure 2 and section 3.1

Comment 2: The paper is well written, concise and to the point. It would help in the generalisation of the paper's results to explain in more detail how the values of Manning

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roughness coefficient were related to the weed-cutting scenarios. The authors refer to the literature for this assumption, which is not satisfactory. A discussion on the choices should be made, followed by a sensitivity analysis of the results. Reply: This concern has been addressed; see pages 9, 10 and 13.

Comment 3: On a less important issue, I would encourage the authors to change the wording “optimal” to “well balanced”, or “best” to avoid misunderstanding. Reply: This change has been done; see pages 1,4,10, and 16

Please also note the supplement to this comment:

<http://www.nat-hazards-earth-syst-sci-discuss.net/1/C2377/2014/nhessd-1-C2377-2014-supplement.pdf>

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