

Interactive comment on “Debris flow impact estimation on a rigid barrier” by F. Vagnon and A. Segalini

F. Vagnon and A. Segalini

fvagnon@unito.it

Received and published: 22 April 2016

Thank you very much for your comments. The Authors are satisfied that the paper has been appreciated by this referee. The barrier design for the protection against debris flow risk is still an open issue; this work is a first approach to reduce the lack of knowledge relate to these phenomena. We think that the new formulation proposed could furnish good results for flexible barrier: further studies are needed to cover this type of structures since they are widely used. Furthermore, due to the simplicity of the formulation, this approach should be implemented in numerical code in order to create a useful tool for the designer. Concerning the quality of the language, the paper will be sent to a mother tongue speaker for a substantial check.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., doi:10.5194/nhess-2016-80,
C1

2016.