

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

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Thank you very much Prof. Ferrero for your comment. Obviously the scale effect is a key point in experimental tests; starting from the dimensional analysis of the problem, we decided to apply Froude similarity to our laboratory results. In particular, we compared the Froude number of each test with those of real debris flow events described in literature. As we wrote in the paper, a discussion on the limit scale values (e.g. maximum acceptable Froude number) is necessary in order to come to universal recognized scale principles. Definitely we totally agree with your comment.

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