

# ***Interactive comment on “Case Study: Risk Analysis by Overtopping During an Upstream Landslide in Peñitas Dam, Mexico” by Humberto J. F. Marengo and Alvaro A. Aldama***

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Case Study: Risk Analysis by Overtopping During an Upstream Landslide in Peñitas Dam, Mexico Humberto J.F. Marengo<sup>1</sup>, Alvaro A. Aldama<sup>2</sup>

Dear Elena:

I am sending to you the following: 1. A short comparison of the methods such a general reader of NHESS can understand the language and the methodology established and be possible to generate a generic statement NHESS conclusion.

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2. With regard to some technical observations made, I am sending a copy of 375 page of the Probability Concepts in Engineering Planning and Design of Ang & Tang (Vol.II, 1984) where is shown the concept of spillway discharge, that is common in hydraulic and civil engineering. Note: The copy is included at the end of the file.

Best regards.

Humberto Marengo

Please also note the supplement to this comment:

<https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2019-191/nhess-2019-191-AC2-supplement.pdf>

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2019-191>, 2019.

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