

## ***Interactive comment on “Deep Submarine Landslide Contribution to the 2010 Haiti Earthquake Tsunami” by Adrien Poupardin et al.***

**Frederic Dias (Referee)**

frederic.dias@ucd.ie

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This is a very good discussion paper on the 2010 Haiti earthquake tsunami. An additional landslide would explain some discrepancies between observations and simulations.

Specific comments: only two. (i) A little bit more should be said about the numerical model that solves the Boussinesq equations. Is there a reference? (ii) It would be interesting to perform a sensitivity study on the landslide parameters in the spirit of the analysis performed by Salmanidou et al. (2017) Statistical emulation of landslide-induced tsunamis at the Rockall Bank, NE Atlantic. Proc. R. Soc. Lond. A 473, 20170026.

C1

Technical corrections: only two minor ones. (i) the authors sometimes use words, sometimes numbers to describe distances or whatever quantities; (ii) in Murphy & O'Brien, replace "accel-eration" by "acceleration"

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C2