Natural Hazards
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Discussions

Interactive comment on "A model of mudflow propagation downstream from the Grohovo landslide near the city of Rijeka (Croatia)" *by* E. Žic et al.

Anonymous Referee #3

Received and published: 8 December 2014

The manuscript presented a coupled, SPH depth-integrated model capable to consider pore water pressure dissipation in the mudflow mass and simulated the propagation of the catastrophic mudflow that occurred in the Rjecina river valley, Croatia in 1908. This manuscript needs a minor improvement to meet the standard of accepting for publication in NHESS. 1. Page 6821, what is the meanings of n, σ' and nfases in Equation (1)? 2. Page 6823, line 24, what is the meaning of "a"? is it a coefficient in Equation (10). 3. Please give the mesh grid sizes in the simulations of Figure 9,10 and 11. 4. Please give the parameters for the simulation using Newtonian fluid model.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 2, 6811, 2014.