Natural Hazards
and Earth System
Sciences

Open Access

EGU

Discussions

Interactive comment on "Direct local building inundation depth determination in 3D point clouds generated from user-generated flood images" *by* Luisa Griesbaum et al.

Anonymous Referee #1

Received and published: 19 April 2017

The paper is very interesting and well written. It effectively concludes that the methods are technically sound and deliver outcomes within the normal limits of photogrammetry and the flood hazard.

However the method is relatively complex to implement in practice and its value beyond conventional inundation mapping techniques is not well positioned. In practice, the 2D Floodline is the major information require by hydrologists, engineers and insurance assessors, so the value in obtaining further information in the 3D context needs to be elaborated. It would also benefit with some further discussion on potential automation approaches and perhaps the use of google street view or other data sets to assist in the automation.

Overall it is a solid paper but some stronger justification for the need for this work would make it a better paper.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., doi:10.5194/nhess-2017-93, 2017.