Author's Response to the third round of reviews

Response to the Editor:

Dear Professor Gonzalez,

We would like to thank you for your time, patience and professionalism and accept our paper. We have introduced last suggestions provided by Professor Don Forbes and redrawn Figure 6.

We hope that our paper will motivate the scientific community to focus on this new geohazard of Arctic and other glaciated regions.

Sincerely,

Matt Strzelecki and Marek Jaskolski

Reviewer 1 – Professor Don Forbes

Remaining purely editorial comments on paper nhess-2019-376 version 5:

General comment: The overall ms would benefit from addition of both indefinite and definite articles

(e.g. 'a', 'the') in many locations, but of course not all. This is a matter of idiom and difficult to prescribe.

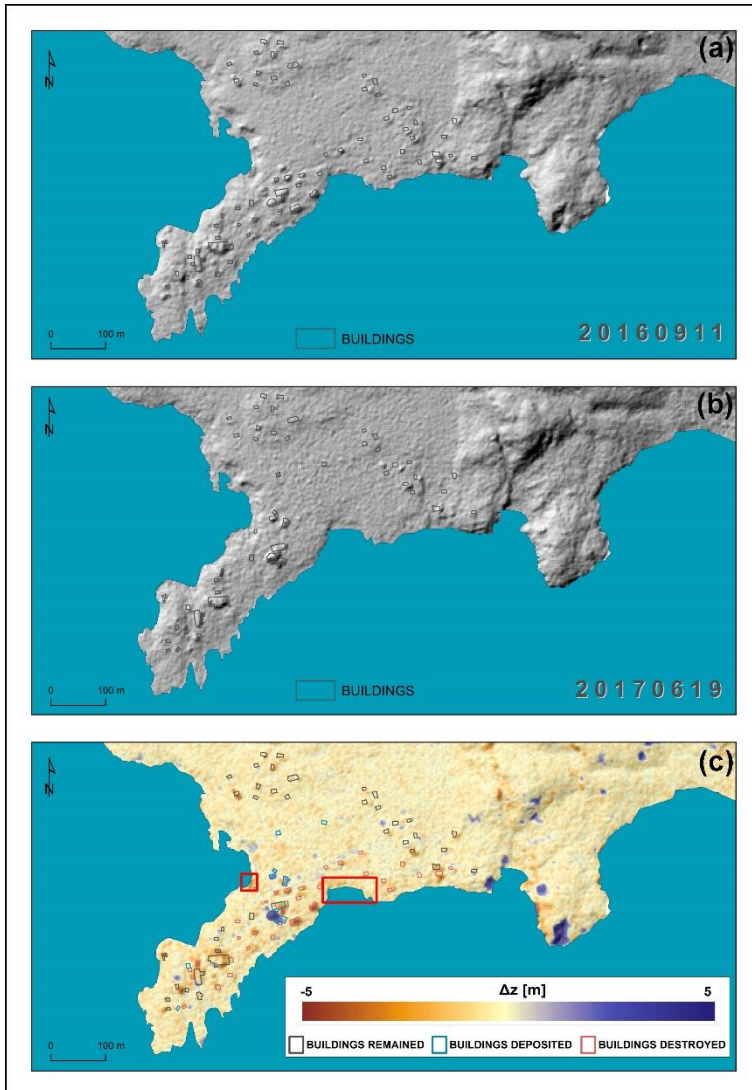
Ad. We have scanned the manuscript and added 'a' and 'the'

Line 24. Delete repeat 'by'

Ad. Thank you suggestion. We have deleted repeated 'by'

Line 580 – Figure 6. Re the legend in (c), I cannot make out the infill patterns in buildings, so suggest you omit these and emphasize outline colours. Re DH (I suggest this would better symbolized as Δz), would it be possible to show the scale by a horizontal bar with gradational colour from brown at left to dark blue at right? This would be neater, sufficient, and take less space from the figure (would allow the legend to be completely within the water).

Ad. Thank you for suggestions. We have redrawn the figure 6 using your suggestions.

The new version is:

Line 586: Change 'were' to 'where'

Ad. Corrected

Line 588: Rectangles are black (not red).

Ad. Corrected. We have decided to change the rectangles into red colour.