

Interactive comment on “Using video games for volcanic hazard education and communication” by L. Mani et al.

L. Mani et al.

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Thank you for your comments about this manuscript. We suggest the following in response to comments made.

All the ‘knowledge quizzes’ used in this study comprised open ended questions, not multiple-choice as assumed by the reviewer. The multiple choice questions referred to in the manuscript relate to the interactive quiz contained within the game itself which is based on information provided throughout the game, and used as a method to reinforce the key themes rather than as a method of assessment.

The knowledge quizzes used for the pre and post testing comprised 12 open-ended questions which were developed by the author, and revised and refined in collaboration with a social scientist and a physical volcanologist. The questions were designed

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to establish the basic level of knowledge of the participants but also to determine if there are common misconceptions within their knowledge and to any identify colloquial language and terminologies that may be used.

We realise the nature of the quizzes were not made clear in the methodology section and we will clarify this issue during revision. To avoid further confusion we will also use the terms ‘multiple-choice volcano quiz’ for the in-game quiz and ‘knowledge test’ for the pre and post-test assessments of which the data has been used.

As suggested by the reviewer the pre/post-session knowledge test will be included in the manuscript as an appendix for reference (see supplement).

We take on board the comments made by the reviewer in respect to the inclusion of qualitative data to add further validity to the study, and highlight any learning that may have occurred.

The primary aim of this paper is to assess the technique of using video games for this specific application and to present supporting data, as opposed to an exhaustive study. In response to this point we will include further qualitative data from the studies (e.g. video analysis of sessions) to strengthen the arguments presented.

Please also note the supplement to this comment:

<http://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2016-23/nhess-2016-23-AC1-supplement.pdf>

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