

Dear Editor,

first of all we would like to thank again the reviewers and you for your thorough review that will definitely improve our manuscript.

In the following we comment (in red) how, in the second revised version, we have responded to the comments by the reviewer Prof. Valerio Acocella (left in black), as you have kindly requested. We refer to Line Numbers in the tracked-changes pdf version of the revised manuscript.

Kind regards,

Laura Sandri on behalf of all the authors

Reviewer #1 Valerio Acocella

I suggest replacing predicting with forecasting at line 12.

Done (Line 12)

I would still have preferred to have a wider introduction, of interest to a broad audience and showing the importance of a general problem to be applied to any volcano, rather than the present Etna-focused intro. This limits the ms.

We have rewritten the first part of the Introduction to add more details on why and where (in which volcanic contexts) it is important to assess the spatial probability of vent opening in hazard assessment, giving examples from all over the world and related references (see Lines 21-28).