

Dear Editor

The paper has been modified to eliminate weak points raised by reviewers, implement their suggestions and clarify some concepts susceptible to misunderstanding, according to what already stated in Authors answers to reviewer comments. A complete language copy editing of the text has been carried out. All substantial text modifications or extensions have been marked in red text. They refer in particular to:

-the Introduction section: a) aims of the paper have been better clarified and the possible generalization of the followed approach has been better addressed in order to clarify why reference is made throughout the paper to application fields also differing from water-related hazards; b) the originality of the proposed approach has been sketched; c) the reference scale of classification criteria proposed throughout the paper has been addressed; d) the acknowledgment of previous works on the topic has been enriched by adding a number of Literature references.

-the Example section: a) at the beginning it has been clarified as the choice to present examples all referred to slope scale should not result misleading in considering limited to these conditions the highlight procedures; b) reference to GA-SAKe model has been inserted; c) information about the timing of the landslides observed at Pessinetto, with reference to the calibration and validation sets, has been added.

-the Conclusion section has been re-written completely, by considerably expanding it and underlining, within a complete summary of the main novel points of the work, the originality of the followed approach