



Interactive
Comment

Interactive comment on “Analysis of sea cliff slope stability integrating traditional geomechanical surveys and remote sensing” by S. Martino and P. Mazzanti

Anonymous Referee #3

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General comments: the paper deals with the testing of an integrated monitoring system for sea cliff slopes. The topic is fairly interesting and the current version is rather acceptable; however, some changes are necessary before publishing on NHESS International Journal since some sections should be reorganized.

Specific comments: on the whole I agree with the comments of reviewer # 1 and #2 and I appreciated the replies of the corresponding Authors who already showed in the interactive discussion their intention to actively follow reviewers' suggestions. In order to avoid useless repetitions I would only add few remarks: - the abstract is too long since it goes too much in details concerning the obtained results; thus it should be rewritten

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just explaining aims, results and perspectives of the presented applications; - larger space should be devoted to introduce the different monitoring techniques used in the presented case study and their descriptions should be supported by a higher number of references available in the scientific literature; - considerations on the feasibility of the presented monitoring system as well as on the possibility to export the obtained results to similar/different geological contexts should be better highlighted. - section “7.2 Future monitoring perspectives”, “8. Discussion” and “9. Conclusions” should be merged in only one final section which could be entitled for instance “Discussion and Conclusions” and which should include comments to the obtained results and their interpretation together with considerations on future perspectives. In this regard, I would stress key and weak points of this kind of integrated monitoring rather than focusing on necessary changes of the specific operating monitoring system; - the possibility of framing the operating system within alert systems for real-time prevention should be better focused.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 1, 3689, 2013.

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