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Interactive comment on “The Verdesca landslide in the Agri Valley (Basilicata, southern Italy): a new geological and geomorphological framework” by E. Gueguen et al.

Anonymous Referee #3

Received and published: 4 September 2015

General comments: This paper concerns the application of a scientific approach, based on the integration of direct and indirect techniques, to define more precisely the geological, geomorphological and hydrogeological setting of an area affected by instability phenomena that have limited its economic development. The use of multidisciplinary approaches for studying landslide areas is now well consolidated. The scientific community is increasingly aware of the need to address the problem by working at different spatial and temporal scales, investigating possible triggering as well as predisposing factors. This article helps to increase the knowledge about the geological, geomorphological and hydrogeological characteristics of the investigated area,

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highlighting the difficulties to identify the sliding surfaces by using a single investigation method. The paper is well written and organized. The detailed description of lithological outcrops and geomorphological features of the slope underlines the field work carried out by the authors. In my opinion minor revision is requested to improve it.

Specific comments: Page 1975 - First line of sentence 15: Please replace "Earth" with "Electrical" Page 1976 - First line of sentence 15: Please replace "Olocene" with "Holocene" References: please check the alphabetical order of the references; Beraldi-Campesi et al. 2006 should be placed after Bentivenga et al. 2012. References: Novellino et al. 2012 is present in the text but does not appear in the list of references References: many of the references cited in the paper are in Italian language and could be not easily accessible and readable for non Italian readers interested in the subject. I would suggest to minimize the number of Italian references or try to replace them with English references. Figure 1: In the brackets of caption please move "modified" before "from". Figure 2: in the legend please specify what are the dashed black lines. Figure 3: in the legend please specify what does indicate letters "O1-On"; add letter "S" to the boreholes Figure 12: Please add in the maps metric scale and north reference.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 3, 1971, 2015.

NHESSD

3, C1615–C1616, 2015

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