

Interactive comment on “Spatial variability of soil properties and soil erodibility in the Alqueva dam watershed, Portugal” by V. Ferreira et al.

Anonymous Referee #2

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The paper is concise, and despite being concise it is clear and can be easily understood. The paper is also well structured.

I propose to accept the paper with some observation where more detail is needed.

The geospatial distribution of soil erosion is a key finding in this paper. Therefore it deserves more attention. First, the methods of the second author (Panagopoulos) in the papers from 2006 and 2014 are not detailed sufficiently and how they are adapted to this study case of different conditions. Second, the Biplot analysis and particularly the clustering are very interesting. However, reference to the visualisation in Fig. 4 (or a similar visualisation) should be described in part when describing the method. The connection to a complex network approach analysis in the clustering could be made. Also, how it is possible to connect this kind of visualisation to a map? There are

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approaches in diagramm science to map complex networks.

Interactive comment on Solid Earth Discuss., 7, 301, 2015.