

Interactive
Comment

Interactive comment on “Rainfall and human activity impacts on soil losses and rill erosion in vineyards (Ruwer Valley, Germany)” by J. Rodrigo Comino et al.

J. Rodrigo Comino et al.

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Dears referees 1 and 2 and readers of Solid Earth Journal. Thank you for reading and reviewing our manuscript about soil erosion in German vineyards. The comments were very useful to improve the investigation. We hope that the improvements and the comments in the final version will be enough to make this article suitable to be published in Solid Earth. The concrete changes were: 1. Introduction: we have improved the English redaction and we have removed the Spanish expressions and the grey bibliography. 2. Soil analysis: Firstly, thank you for the recommendations. We have improved the bibliography and included more information about the influence on the soil

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erosion (3.1 and Conclusions-Discussion). 3. Frontal botanic marks on the graft union is a recently method of erosion estimation. Brenot et al. (2008), Casalí et al. (2009); Paroissien et al. (2010) applied this method in concrete experimental catchments with different geomorphological and pedological characteristics. In our manuscript, the total soil loss was also calculated for two different and concrete experimental plots: young and old vineyards. Therefore, we could not assume the erosion rates during two years for the other catchment with 35 years old. We consider that both plots must be studied by separating analysis. However, for next works, we will considerer to obtain more information about soil tillage and machinery. Furthermore, we will compare our data with other experimental catchments to test the final results like Casalí et al. (2009). 4. Conclusions and discussion: both were improved and rewritten.

Best regards from Trier and Malaga Universities.

*We attach the final version in a pdf format. Red colors means improvements.

Please also note the supplement to this comment:

<http://www.solid-earth-discuss.net/7/C616/2015/sed-7-C616-2015-supplement.pdf>

Interactive comment on Solid Earth Discuss., 7, 259, 2015.

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