

## ***Interactive comment on “Inversion kinematics at deep-seated gravity slope deformations: a paleoseismological perspective” by F. Pasquarè Mariotto and A. Tibaldi***

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Received and published: 18 November 2015

Dear Reviewer n. 2, we are grateful for your effort and the useful suggestions on our previous version of the paper. We inserted all your major and minor suggestions along the text, as well as we improved the figure legends and we added an arrow showing the average slope dip in the stereograms. We have not been able to insert only two suggestions of yours: - Regarding the changing of the words “Inversion kinematics” in the title, we preferred to maintain them. We recognize that they have been classically used to define in structural geology the changing from normal faulting to reverse faulting induced by a change of the regional tectonic state of stress, but we selected this term

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exactly because we found a similarity in the change of motions along the slip planes of the studied DSGSDs. Of course we are aware that the cause of the inversion of kinematics at DSGSDs is different from what occurs at tectonic faults, but now we clearly explained this in the introduction of the new version of our paper. - We have not been able also to change the DEM of some of our figures because we do not have a better DEM with such a detail: the escarpments of the studied DSGSDs are quite small, in the order of less than 1 m to a few meters at maximum, and thus they cannot be seen on the available DEM, and for this reason we decorated our figures with the lines of the scarps.

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 3, 4585, 2015.

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