

## ***Interactive comment on “Characterization of the field saturated hydraulic conductivity on a hillslope: measurement techniques, data sensitivity analysis and spatial correlation modelling” by C. Fallico et al.***

**C. Fallico et al.**

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We retain, also, the comparison among  $ks$  data, obtained by different measurement methods was already the object of previous studies, as Referee #1 acknowledges. The main aim of our paper, nevertheless, was to investigate the joint use of data sets obtained by different measurement methods and the determination of the reliability of the results, varying the mixing level.

Regarding the uncertainty concerning the data analysis, we agree on the basic significance of this; but, because it was not included among the aims of the present paper, we limited ourselves to an analysis of the uncorrelated errors.

However, accepting the suggestions of the two referees, we retain it useful to complete

this analysis taking into account, also, the influence of the spatial autocorrelated errors, according to a multigaussian generation hypothesis of them.

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