

Interactive comment on “The usefulness of outcrop analogue air permeameter measurements for analysing aquifer heterogeneity: testing outcrop hydrogeological parameters with independent borehole data” by B. Rogiers et al.

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The authors thank the referee for the constructive comments, which are addressed below:

The comments of referee #2 mainly concern the over-simplification of the “Materials and Methods” section, as already highlighted by referee #1, and some suggestions for minor corrections are provided as well.

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We agree with referee #2 that the “Materials and Methods” section should be extended for the reader to understand the data processing. In the revised version of our manuscript, we will add more details on the air permeameter measurements, conversion to saturated K and the upscaling approach. Moreover, a separate paragraph will be inserted discussing the number and spacing of the different measurements discussed in this paper, for each lithostratigraphical unit. An additional table will be inserted as well, to provide a clear overview. This additional material is provided in our reply to referee #1 (AC C5661; <http://goo.gl/kmzTD9>).

Concerning the minor comments: The reference “Teutsch et al. 1998” will be added to the reference list of the manuscript. The word “Neogene” can indeed be omitted in line 12-13, page 9693, and it will be removed in the updated version of the manuscript. We agree that including the typical CPT profile in Figure 1 is of little added value to the current manuscript. Therefore, we choose to delete it from the figure and text in the revised version of the manuscript. In line 5, page 9696, “the first method” will be replaced by “the sedigraph” to avoid confusion.

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