

# ***Interactive comment on “Multiscale porosity estimates along the pro-and retrograde deformation path: an example from Alpine slates” by Ismay Vénice Akker et al.***

## **Anonymous Referee #2**

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Akker et al., submitted 2018

Dear editor, associate editor, dear authors, The paper describes a number of techniques to investigate the porosity of slates that were exposed to different pressure and temperature conditions. The paper is well written and addresses relevant scientific questions within the scope of Solid Earth. The paper shows novel data on slates, which is compared to previous work on shales. Where the new data shows results on the porosity evolution of the slate during different deformation phases. The scientific methods and assumptions are valid and clearly outlined in the paper. The paper is definitely worth publishing in Solid Earth with minor revisions. One of the main

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comments I has to do with language, a lot of times a present form was used instead of the past, e.g.: abstract (line 18) “Surface and sub-surface samples are collected...”, were it should read “surface and sub-surface samples were collected...”. See more comments attached in pdf file.

Please also note the supplement to this comment:

<https://www.solid-earth-discuss.net/se-2018-47/se-2018-47-RC2-supplement.pdf>

Interactive comment on Solid Earth Discuss., <https://doi.org/10.5194/se-2018-47>, 2018.

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