

**Response to Reviewers' comments for:**

**'Moho depths beneath the European Alps: a homogeneously processed map and receiver functions database'**

**By K. Michailos et al. submitted to ESSD**

We wish to thank once again the two Anonymous Referees and the Topical Editor for their constructive comments. We appreciate the time and effort dedicated to providing your valuable feedback on the manuscript.

The reviewer's comments are given in *blue italic text*.

Our responses are in black text.

**Anonymous Referee #2 comments round 2**

*The manuscript as well as the provided dataset has been augmented and modified, which improves their overall quality. I am quite satisfied with how my comments from the first round were incorporated, and believe that the manuscript is now ready to be published. I came across three extremely minor issues on my read-through, those should still be corrected:*

*I.61: it should be "SWATH-D" instead of SWATH*

*Figure 3: the change in filter choice for the STA/LTA (QC Step 2) should also be incorporated here; i.e. low-pass instead of high-pass at 1 Hz*

*I.162: add "model" after 1D*

We have corrected these minor issues. We thank the referee for their time and detailed review throughout the whole review process and also for bringing these to our attention.