

## ***Interactive comment on “The European Alps as an interrupter of the Earth’s conductivity structures”***

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First at all thanks very much the referee#1 for the kind revision and for the fruitful comments already in the first revision. Concerning the mentioned major points I agree that the data set is sparse but this fact has been mentioned and the problem has been overcome by the use of the GDS method, which in this case should be on the first line because of it's lower noise and therefor higher data quality compared to the MT. MT helped to constrain the model which basically evolved of GDS (magnetic) data. In fact a big amount of models has been tested starting from a very simple model to the now quite complex one. The evolution of the model, including the suggested tests of different depths of the crustal conductor, has not been presented in this paper as I wanted to focus on the final results and it's possible interpretation. Nevertheless it

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needs revision and some of the previous (not shown) models will be prepared for the revised version of the paper. Also all the minor points will be corrected. Due to ongoing field work the final answer with the corrected version will take a while. Thank you for the comprehension.

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Interactive comment on Solid Earth Discuss., 5, 1031, 2013.