

Interactive comment on “The sensitivity of GNSS measurements in Fennoscandia to distinct three-dimensional upper-mantle structures” by H. Steffen and P. Wu

B. Vermeersen (Editor)

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It is clear from both (anonymous) reviewers that the present manuscript cannot be published in the Special Issue unless major changes, partly resulting from additional work that needs to be done, are made.

Reviewer 1 basically recommends to reject the paper, giving highly detailed arguments on some aspects of the paper that are even fundamentally flawed according to this reviewer.

Reviewer 2 finds that the paper is flawed in three ways, but not fundamentally, and Reviewer 2 provides some suggestions on how this could be remedied in a major

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revision.

The Authors of the present paper need to provide cogent and detailed rebuttals to all issues raised by both reviewers. After submission of their Replies and the revised version of the paper, both anonymous reviewers will be invited to review the revision.

Considering the heated debate and strong diversion of opinions between the Authors and Reviewer 1, I might contact a third independent referee as well to review the revision with special emphasis on the aspects brought forward by Reviewer 1.

Considering the major revision that needs to be done, I ask the Editorial Support office to extend the deadline to 3 months to submit a revised version of the manuscript.

Interactive comment on Solid Earth Discuss., 5, 2389, 2013.