

Solid Earth Discuss., referee comment RC1  
<https://doi.org/10.5194/se-2021-121-RC1>, 2021  
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## Comment on se-2021-121

Anonymous Referee #1

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Referee comment on "Surface-wave tomography for mineral exploration: a successful combination of passive and active data (Siilinjärvi phosphorus mine, Finland)" by Chiara Colombero et al., Solid Earth Discuss., <https://doi.org/10.5194/se-2021-121-RC1>, 2021

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Dear authors,

Thank you for the submission of this article. I have completed my evaluation of your manuscript and will send it out for review.

The work presents a very interesting methodology that can help mineral exploration in hard rock sites in an effective and sustainable way. The work has a certain originality, since there are few similar works published until the moment. Still taking into account the originality of this research, an important factor is that the present study developed a semi-automatic workflow for application of active and passive surface wave tomography, which is quite interesting and worthwhile.

The work is well presented. However, in my opinion, the text requires the insertion of some information that I believe is important. All comments have been detailed throughout the text in the attached file (pdf).

Kind regards.

Please also note the supplement to this comment:

<https://se.copernicus.org/preprints/se-2021-121/se-2021-121-RC1-supplement.pdf>