

Solid Earth Discuss., editor comment EC1
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Comment on se-2021-101

Liam Bullock (Editor)

Editor comment on "3D reflection seismic imaging of the iron-oxide deposits in the Ludvika mining area (Sweden) using a focusing pre-stack depth migration approach" by Felix Hloušek et al., Solid Earth Discuss., <https://doi.org/10.5194/se-2021-101-EC1>, 2021

Summary of reviewer outcomes for the manuscript "3D reflection seismic imaging of the iron-oxide deposits in the Ludvika mining area (Sweden) using a focusing pre-stack depth migration approach", by Hlousek et al.

Please address the following revisions ahead of resubmission:

- Strengthen discussion data by introducing more rigorous interpretation, including implications of using such high resolution techniques for the mineral exploration industry, and add some more geological context.
- Restructure the introduction to include less results.
- Update figures with more clarity
- Can the comparison of the resulting images between both methods can be quantified somehow (perhaps giving an estimate of the resulting signal-to-noise ratio)?
- Check the viability of including a log of a borehole in the area intersecting the "known" mineralizations to increase the interest of the reader.
- Both reviewers provide specific comments that should be addressed or discussed.

Thank you again for your submission, I'm looking forward to seeing the final revised version and print.

Best regards,

Dr. Liam Bullock

Guest Editor – Solid Earth: State of the art in mineral exploration

University of Oxford