

Solid Earth Discuss., editor comment EC1
<https://doi.org/10.5194/se-2021-42-EC1>, 2021
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Comment on se-2021-42 from editor

Alba Gil de la Iglesia (Editor)

Editor comment on "Establishing an integrated workflow identifying and linking surface and subsurface lineaments for mineral exploration under cover: example from the Gawler Craton, South Australia" by Ulrich Kelka et al., Solid Earth Discuss., <https://doi.org/10.5194/se-2021-42-EC1>, 2021

General comments

The manuscript by Kella et al. reports a method with an application of lineaments detection of surface fractures and faults and their potential relationship with mineral occurrences in Australia. As the reviewers have mentioned, this work only focuses on Australia, it would be interesting to point other potential targets out of Australia. Also, it could be interesting to add an interpretation at depth for the different lineaments. As R2 mention, some figures are not discussed in the text, although they present very interesting results. Other figures are too small, we encourage the authors to increase their size. Some sentences have been repeated along the text that can be removed, as R2 pointed out.

As the reviewers mentioned, although the manuscript presents a workflow description but lacks a diagram, which could help to follow better the methodology. Also, we encourage the author to extend the technical part following the reviewers' recommendations, as we understand that this a methodological workflow manuscript.

Some minor comments are added in the supplement file, such as missing references or wrong citations.

Please also note the supplement to this comment:

<https://se.copernicus.org/preprints/se-2021-42/se-2021-42-EC1-supplement.pdf>