

Editor comments in red italics.

Author response in black.

Editor comments

General comments

The manuscript by Kelka 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.

We thank the editor and the two anonymous referees for their useful comments and suggestions. We mad changes accordingly and provided detailed statement to the concerns pointed out by the referees.

We uploaded our responses to each reviewer individually.