

Solid Earth Discuss., referee comment RC2
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Comment on se-2021-105

Mark Cooper (Referee)

Referee comment on "Together but separate: decoupled Variscan (late Carboniferous) and Alpine (Late Cretaceous–Paleogene) inversion tectonics in NW Poland" by Piotr Krzywiec et al., Solid Earth Discuss., <https://doi.org/10.5194/se-2021-105-RC2>, 2021

This is an excellent paper and I have no concerns with seeing it published essentially as is.

The paper is well written, concise and provides a good review of the tectonics of NW Poland and describes a compelling model for the history of deformation during the Variscan orogeny and the much later Alpine-Carpathian orogeny. The illustrations are excellent and are all relevant to the content of the paper. I have not gone through the reference list to check whether all the references cited are included or to check that the reference list has ghost references not actually cited in the text.

There are some minor grammatical errors which I have corrected on the attached pdf file of the relevant pages.

There are also some minor suggestions for Figs 2, 3 & 4 which are also included in the attached pdf file.

Please also note the supplement to this comment:

<https://se.copernicus.org/preprints/se-2021-105/se-2021-105-RC2-supplement.pdf>