

Geosci. Instrum. Method. Data Syst. Discuss., referee comment RC3  
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## **Comment on gi-2021-7**

Wolfram Geissler (Referee)

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Referee comment on "Passive seismic experiment "AniMaLS" in the Polish Sudetes (NE Variscides)" by Monika Bociarska et al., Geosci. Instrum. Method. Data Syst. Discuss., <https://doi.org/10.5194/gi-2021-7-RC3>, 2021

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The manuscript presents a passive seismic experiment carried out in the Polish Sudetes, an important region to understand the tectonic evolution of the Variscan Orogen in Central Europe. The authors present how a state-of-the-art seismological experiment was and can be carried out. Furthermore, the authors discuss the quality, the potential and limitations of the data set.

I have two major points that should be considered for a revision of the manuscript: 1) I miss a more clear, elaborated introduction into the geology and tectonics of the study area. Why it is important to study this region in more detail? 2) Some of the figures need minor revisions, e.g, Figure 1 is missing more geographical or geological names. Maybe the geological map should be placed earlier in the manuscript. Furthermore, it is missing a legend. All subfigures should have similar scale (e.g., Fig. 13).

Additionally, all abbreviations should be introduced (both in text and captions). Please rethink, if the term "Tertiary" is necessary to use. It is not an official term anymore.

Minor comments, questions, suggestions you will find in the annotated manuscript.

Please also note the supplement to this comment:

<https://gi.copernicus.org/preprints/gi-2021-7/gi-2021-7-RC3-supplement.pdf>