

Solid Earth Discuss., author comment AC1  
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## Reply on RC1

Hossein Hassani et al.

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Author comment on "Imaging crustal structures through a passive seismic imaging approach in a mining area in Saxony, Germany" by Hossein Hassani et al., Solid Earth Discuss., <https://doi.org/10.5194/se-2021-32-AC1>, 2021

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We are very thankful to Mehdi Zare for his affirmative review. Regarding the comments, we would like to clarify few points:

The microseismic events used in this study are located through a migration-based event location approach. The localization procedure including the uncertainty level of P-phase picking (3 ms) has been discussed in a previous publication (Hassani et al. 2018) which is referenced in line 164.

The hypocenter location of the events are illustrated in figures 1, 2 and specifically in figure 6. However since the global coordinate of the located hypocenters is not directly relevant to the theme of this study, we avoided to go through those details. This applies also to the specific time of the events. The magnitude range of all events is mentioned in line 159 ( $-1.30 < M_w < 0.90$ ).

Yours sincerely,

Hossein Hassani on behalf of co-authors