

Solid Earth Discuss., author comment AC1
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Reply on RC1

Xiaodong Ma et al.

Author comment on "Multi-disciplinary characterizations of the Bedretto Lab - a new underground geoscience research facility" by Xiaodong Ma et al., Solid Earth Discuss., <https://doi.org/10.5194/se-2021-109-AC1>, 2021

We thank Referee#1 for the positive comments! Our replies are detailed below and will be reflected in the revised manuscript.

Line 43 Clarify what "latter" refers to.

Reply: 'latter' here refers to 'fracture reactivation and seismicity'. I clarified this in the revised version.

Line 104. It looks like the FURKA tunnel is horseshoe-shaped, not the Bedretto Tunnel.

Reply: the shapes marked in Fig.1 might be ambiguous. We've modified it.

Line 200 Replace "have been" with were.

Reply: addressed.

Line 300 Add a space after "space".

Reply: addressed.

Line 333 Define "characteristic response time"

Reply: addressed. 'Characteristic response time' here refers to the duration between the moment of the drawdown/pressurization test start and the moment of measurable pressure signal associated with the test.