

Author's response

We thank the editor for their careful reading of the revised manuscript and for their positive evaluation. We have addressed all the requested technical corrections:

- Introduction (line 67): added the references Pace et al. (2018) and Valentini (2020), as they are relevant examples of fault-based PSHA applications in central Italy.
- Section 2.1: added the reference Chartier et al. (2017) to complement the description of the SHERIFS methodology.
- Line 127: corrected the citation to Gómez-Novell et al. (2020a,b) and replaced "Turkey" with "Türkiye".
- Section 2.2.3: added the original reference Gutenberg and Richter (1944).
- Removed Boncio et al. (2004) from the reference list, as it was not cited in the text.
- Separated the references Williams et al. (2023) and Woessner et al. (2015) in the reference list.