

Nat. Hazards Earth Syst. Sci. Discuss., referee comment RC1  
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## **Comment on nhess-2022-186**

Luis Matias (Referee)

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Referee comment on "Seismogenic potential and tsunami threat of the strike-slip Carboneras Fault in the Western Mediterranean from physics-based earthquake simulations" by José A. Álvarez-Gómez et al., Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2022-186-RC1>, 2022

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It is my recommendation that the work deserves publication but that it requires major revision. The reasons for this evaluation are detailed below. In fact, my suggestion that may, or may not, be endorsed by the authors is to split the work into two parts. Part 1 dedicated to the generation of the earthquake catalogue and Part 2 dedicated to the deterministic evaluation of tsunami hazard in the area.

Please also note the supplement to this comment:  
<https://nhess.copernicus.org/preprints/nhess-2022-186/nhess-2022-186-RC1-supplement.pdf>