

# Location Accuracy for Seismic (GT5) Events in Jordan

*Tuesday, 20 June 2023 11:06 (1 minute)*

Jordan seismic activities are attributed to the Dead Sea Fault. It is an active transform fault extended from the Red Sea to the Taurus/Zagros Mountains. In cooperation with the Comprehensive Nuclear-Test-Ban Treaty Organization we used available local data, IMS data, and arrival times of seismic events with a magnitude greater than 3.5 to be able to validate the location accuracy. The selected events are local and regional and should satisfy the criteria according to Bondár et al. (2004) to assign and determine the events as ground truth events.

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## Promotional text

This poster contributes to learning about the seismic event location accuracy in Jordan and how we used the seismic information to determine the relationship between the distribution of earthquakes and active geological structures.

## Oral preference format

in-person

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**Session Classification:** Lightning talks: P1.2-2

**Track Classification:** Theme 1. The Earth as a Complex System: T1.2 The Solid Earth and its Structure