

# February 6, 2023 Kahramanmaraş Earthquakes & Follow-up

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July 16, 2025 - Time: 8.30-9.30 am

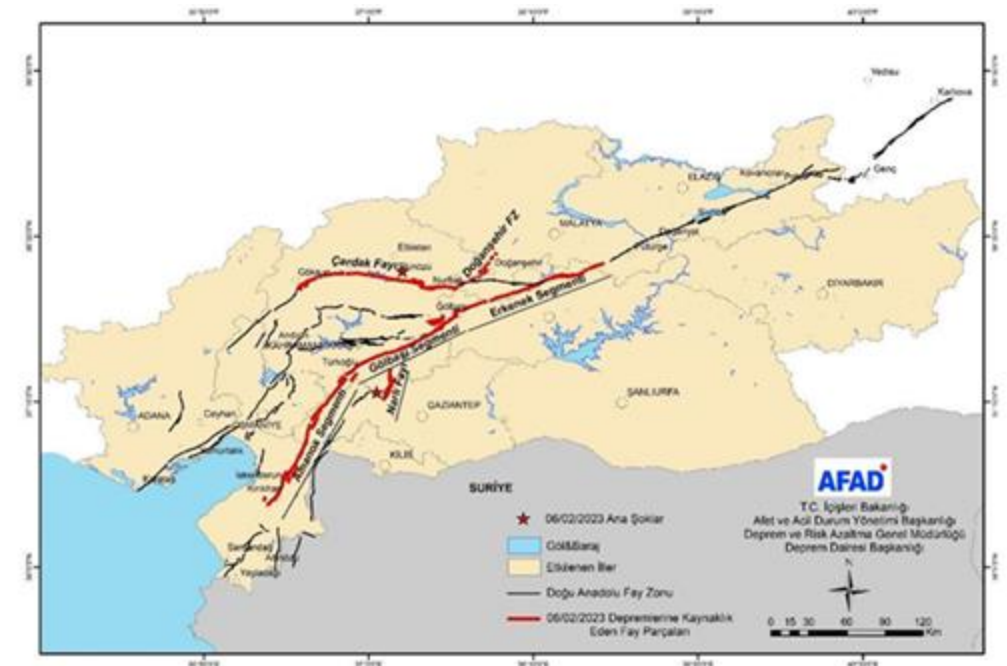
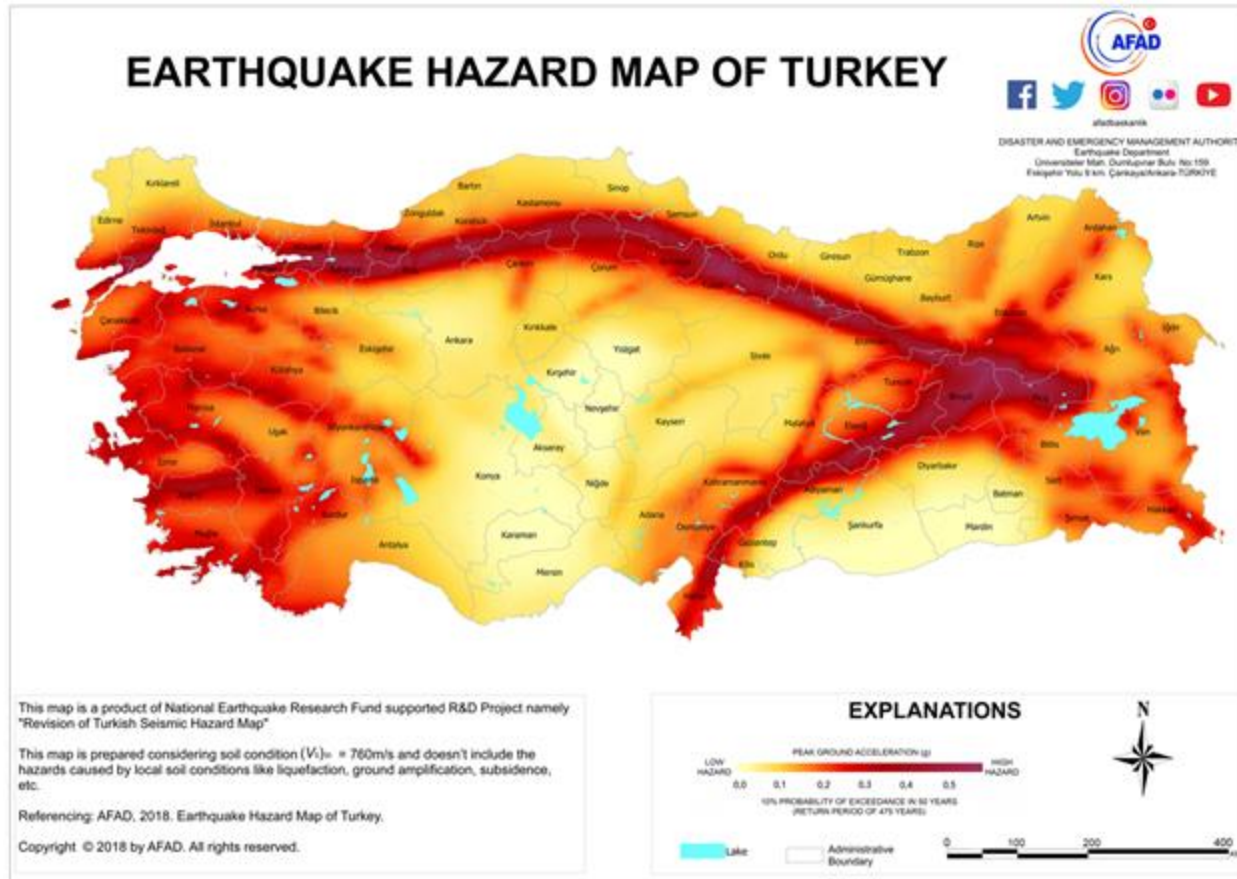
# February 6, 2023 Kahramanmaraş Earthquakes: Grants 2023 & 2024

Being in the field! Reality!

- Empathy
- Support
- Knowledge sharing
- Learning



# Seismicity of Türkiye



# List of Earthquakes in the Region

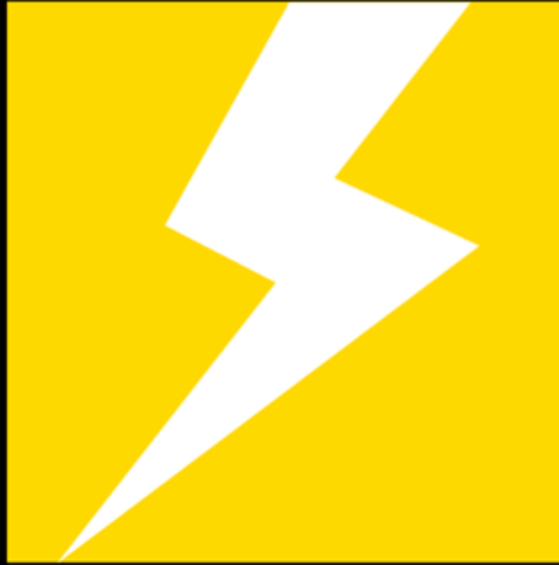
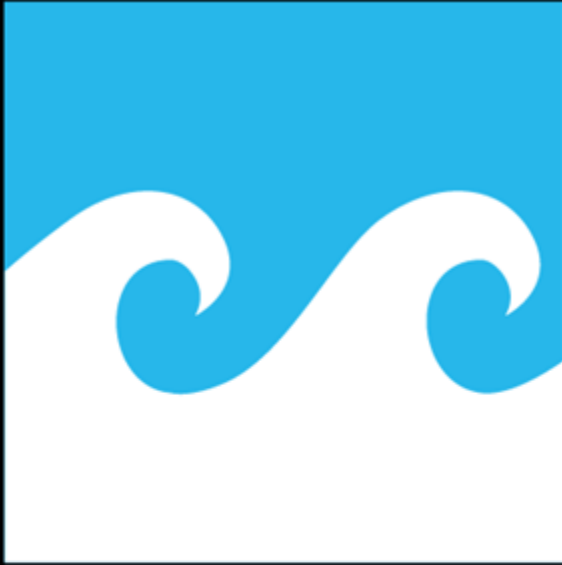
Year	Place
BC 130	Antakya
BC 69	Antakya
AD 35	Antakya
115	Antakya
245	Antakya
526	Antakya
713	Antakya&Aleppo
1138	Antakya
1760	Antakya&Aleppo
1822	Antakya
1872	Antakya&Aleppo, Damascus, Antep
...	
2023	

# Wrap-Up

- Centennial Earthquake with two earthquakes at the same province, on the same day, 9 hours apart!
- 11 provinces were hit directly!
  - Hatay, Kahramanmaraş, Adıyaman, Gaziantep ...
- Almost 14 million population been affected! ...
- Multi-hazard/Cascading events: Flood, fire, epidemic followed!

# Acknowledgements

- Prof. Louise K. Comfort, Prof. Süleyman Çelik & BB (March 2023) : for response, work has been published in the Earthquake Spectra - NSF Award #1635593
- October 2024: for recovery, SSEER (Team leader Prof. Louise K. Comfort) & EERI (Team leader Mike Mieler) joint reconnaissance trip
- Prof. Lori Peek and the Quick Response Award Program
- AFAD, all other stakeholders and the community!



# 50<sup>th</sup> Natural Hazards Research and Applications Workshop

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July 13-16, 2025

