Ethiopia | Seismic activity update

European Commission

Population exposure to earthquake intensity
Source: GDACS

VII	33 000
VI	57 000
V	170 000

Modified Mercalli Scale intensity (MMI)
Source: USGS

VII	Very strong shaking
VI	Strong shaking
V	Moderate shaking

Active faults
Source: GEM, Temtime et al., Corti et al.

5.7 M
Depth: 8 km
4 Jan 2025
00:52 UTC
Source: GDACS

5.5 M
Depth: 10 km
3 Jan 2025
17:01 UTC
Source: GDACS

6.0 M
Depth: 10 km
14 Feb 2025
20:28 UTC
23:28 local time
Source: GDACS

6.0 M
Depth: 10 km
14 Feb 2025
20:28 UTC
23:28 local time
Source: GDACS

EU RESPONSE
as of 17 Feb 2025

EU humanitarian funding in affected areas Afar, Amhara and Oromia requiring life-saving humanitarian assistance:
- **EUR 200 000** to IFRC Disaster Response Emergency Fund (DREF)
- **Support to meet basic needs** through the partners on the ground

Earthquakes ≥ 4 M
1 Sep 2024 – 17 Feb 2025
Source: USGS, GDACS

- 1 Jan – 17 Feb
- 1 Nov – 31 Dec
- 1 Sep - 31 Oct

Range of Magnitude
5.1-6.0 M
4.6-5 M
4-4.5 M

Focal mechanism
Source: USGS

Volcano crater
Source: Temtime et al., Corti et al.

Volcano location
Source: Smithsonian Institute

GDACS orange alert

IDP site* as of 31 Jan
Source: UN OCHA

Kesam dam

River

Railway

Road

Region boundary

Populated area *Source: Copernicus EMS GHSL*

*Evacuated people in Afar will be moved to a newly designated site.

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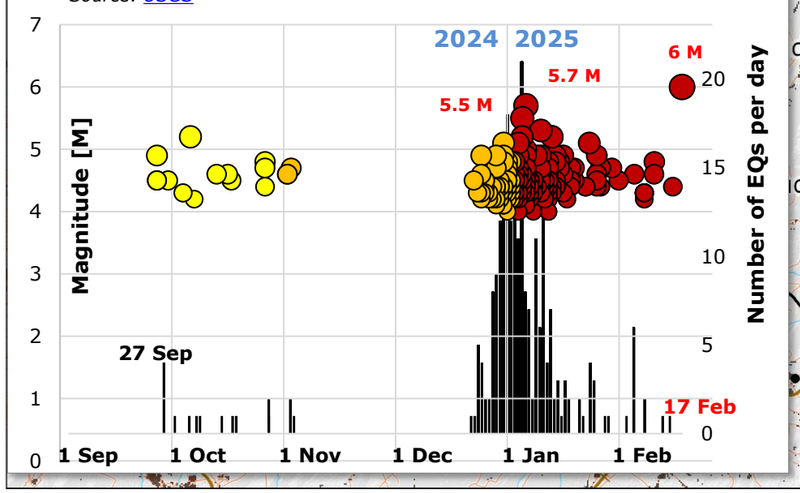
Seismic activity between 1 Sep 2024 and 17 Feb 2025 and distribution of the number of earthquakes (EQs) per day

Source: USGS