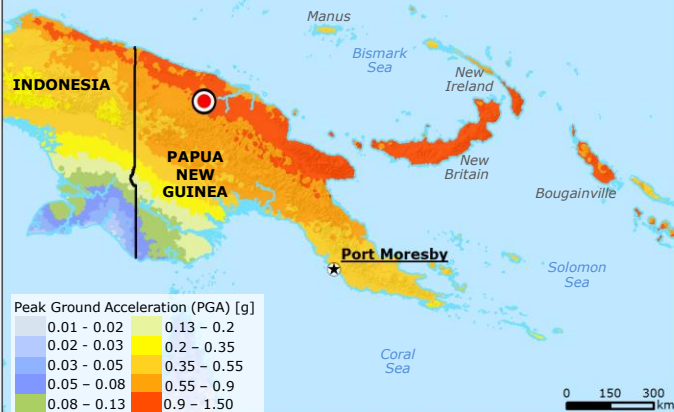


Papua New Guinea | 7.0 M Earthquake of 2 April

Seismic hazard map*

Source: [Pagani et al. \(2018\)](#), [GEM](#)



IMPACT OVERVIEW¹

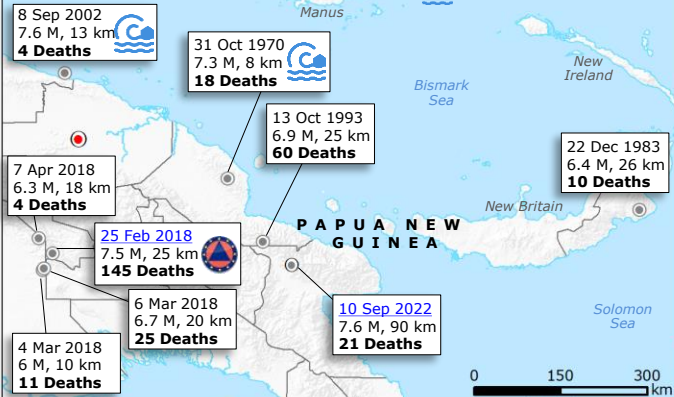
Source: [Govt. PNG](#)
as of 3 Apr

- 2 Fatalities
- 2 Injured people
- 96 Destroyed houses

Significant past earthquakes

Since 1970 with >3 fatalities

Source: [NOAA-NCEI](#)



7.0 M
Depth: 63 km
2 Apr 2023
18:04 UTC
3 Apr
4:04 local time
Source: [GDACS](#)

- Earthquake (EQ) epicentre
Source: [GDACS](#), [USGS](#)
- Focal mechanism
Source: [USGS](#)
- Aftershocks from 4.2M to 4.8M
Source: [GDACS](#), [USGS](#)

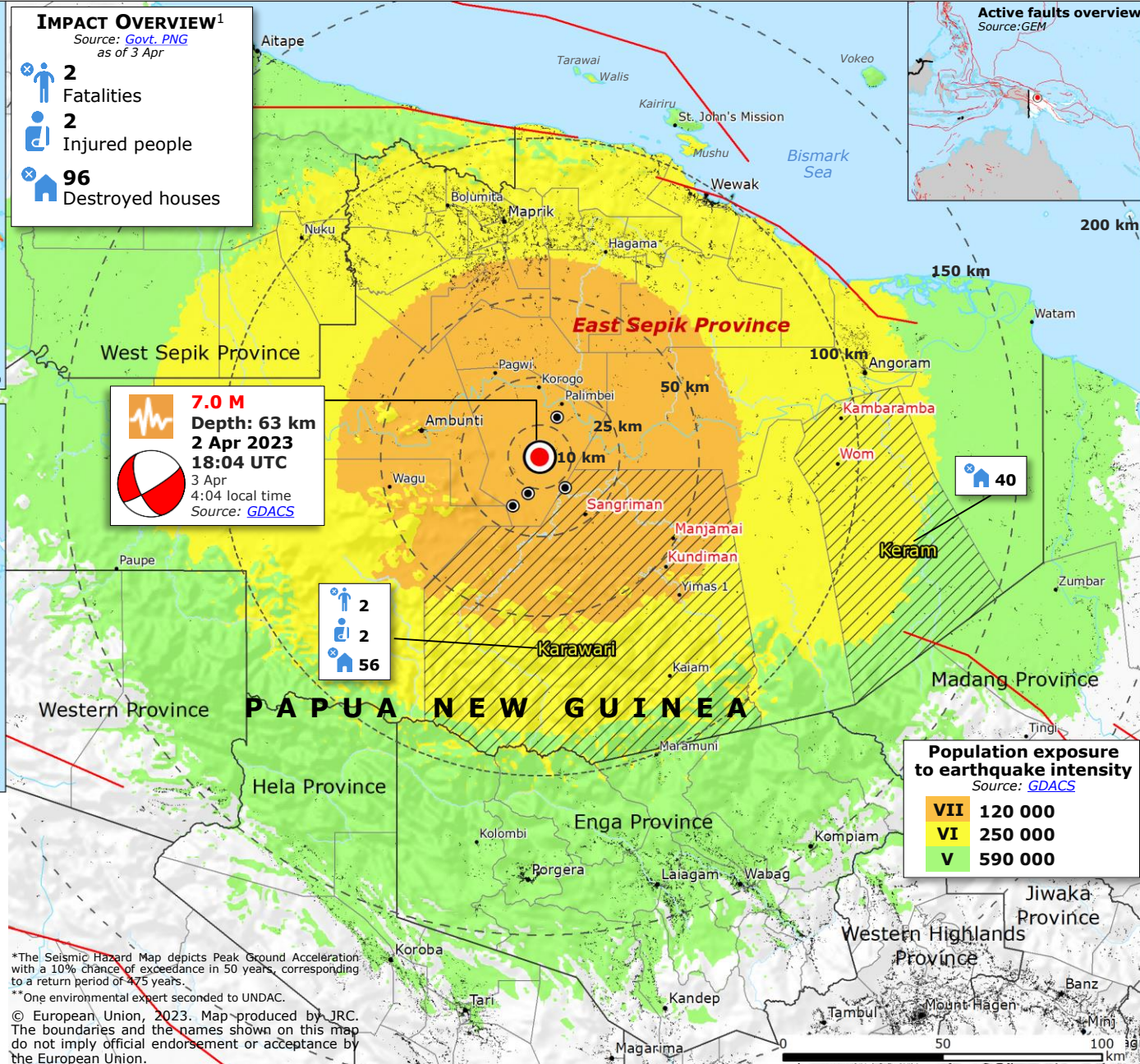
- Active faults Source: [GEM](#)
- Name** Impacted Province
- Name** Most affected Local Level Government (LLG) area
- Name** Most affected locality
Source: [Govt. PNG](#)

- ### Modified Mercalli Scale intensity (MMI)
- Source: [GDACS](#), [USGS](#)
- VII Very strong shaking
 - VI Strong shaking
 - V Moderate shaking
 - [GDACS](#) Orange alert

- Built-up
Source: [JRC-GHSL](#)
- LLG boundary
- Province boundary
- Country boundary

*The Seismic Hazard Map depicts Peak Ground Acceleration with a 10% chance of exceedance in 50 years, corresponding to a return period of 475 years.
**One environmental expert seconded to UNDAC.
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Active faults overview



Population exposure to earthquake intensity

Source: [GDACS](#)

VII	120 000
VI	250 000
V	590 000