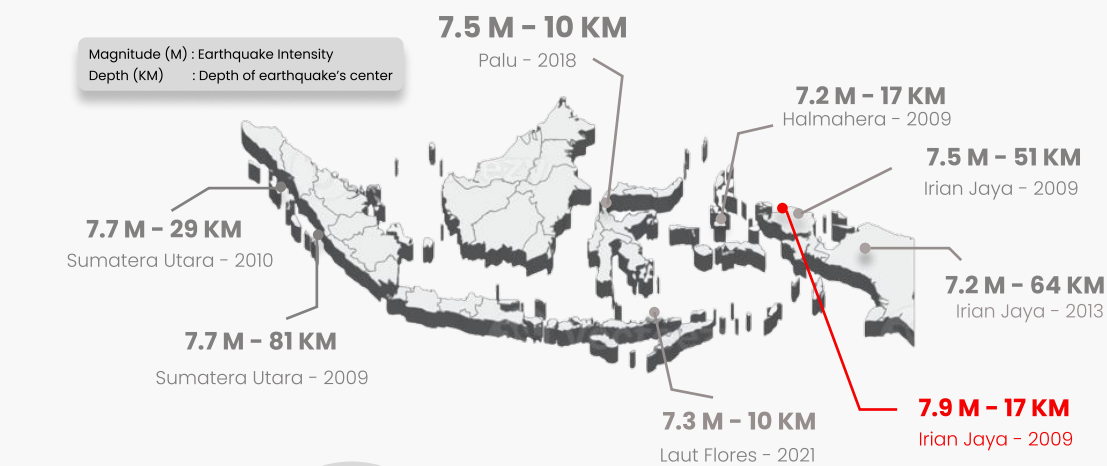


# QUAKESCAPE:

## Earth's Tremors in the 2008 - 2023

### Colossus Quake: The Ultimate Earthshaker



The strongest earthquake in the dataset, a magnitude 7.9 event in the Irian Jaya Region, had the potential for significant damage due to its moderate depth of 17 km. This aligns with the weak positive correlation of 0.26 between magnitude and depth, suggesting a slight tendency for stronger earthquakes to occur at greater depths.

### Borneo: A Safe Haven from Seismic Activity

2/1000

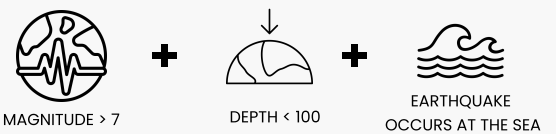
Borneo's unique geological setting, far from active tectonic plate boundaries and with mostly inactive fault lines, results in significantly fewer earthquakes compared to other Indonesian regions, as evidenced by only 2 out of 1000 recorded earthquakes occurring there.

### A Thrilling Nightmare from The Ocean



SATURDAY  
13.51%

#### Formula to a Potential Tsunami



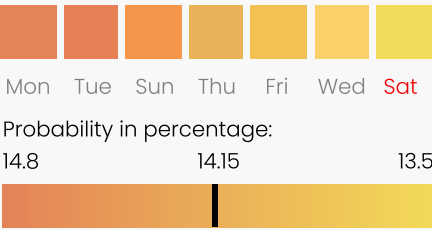
an example of earthquake that occurs in the sea and activate a **TSUNAMI WARNING**,

FLORES SEA in 2021 with magnitude 7.3 M and depth 10 KM.



NORTHERN MALUKU SEA in 2019 with magnitude 7.1 M and depth 62 KM.

Saturday presents the lowest probability of earthquakes at 13.51%, making it the statistically safest day compared to others. Therefore, it may be advisable to schedule outdoor activities or important events on Saturdays to minimize potential disruption from seismic events.



### Top Earthquake-Impact Regions in Indonesia by Year (2008-2023)

This graph illustrates the regions in Indonesia that experienced the most earthquakes over a 16-year period, from 2008 to 2023. The number of earthquakes in each region is indicated within parentheses.

