



Mount Lewotobi

[Source: IE](#)

Recently, **Mount Lewotobi Laki-Laki volcano**, located on the **Indonesian island of Flores**, erupted.

- This eruption follows **heightened volcanic activity** in Indonesia, with another recent eruption from [Mount Merapi](#) in West Sumatra.
- Indonesia has around **120 active volcanoes** and **Mt Lewotobi** is part of the [Pacific Ring of Fire](#), an area known for **frequent seismic and volcanic activity**.
- The **Pacific Ring of Fire (Circum-Pacific Belt)** is a path along the [Pacific Ocean](#) characterised by **active volcanoes and frequent earthquakes**.
 - It is largely a result of [Tectonic Plates](#) where massive **Pacific Plate** interacts with less-dense plates surrounding it like [Nazca Plate](#), [Juan de Fuca Plate](#).

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Pacific Ring of Fire

aka the Circum-Pacific Belt

CHARACTERISTICS

- Path along Pacific Ocean characterised by **active volcanoes and frequent earthquake**
- Majority of Earth's volcanic eruptions (**75%**)/earthquakes (**90%**) occur here

The next most seismically active region (5-6% of earthquakes) is the Alpid belt (Mediterranean region - eastward through Turkey, Iran, and northern India)

CAUSE OF FORMATION

- **Plate Tectonics**- Pacific Plate interacts with less-dense plates

GEOGRAPHICAL STRETCH

- **~40,000 Kms**; Western coast of S & N America to Eastern coast of Asia past New Zealand to Northern Coast of Antarctica

IMPORTANT COUNTRIES IN RoF

- Chile, Ecuador, Peru, Mexico, US, Canada, Russia, Japan, Philippines, Australia, Indonesia, New Zealand, and Antarctica

ACTIVE VOLCANOES IN RoF

- **Mauna Loa (Hawai)**- world's largest active volcano
- **Mount Tambora (Indonesia)**- largest volcanic eruption (**1815**)
- **Mount Fuji**- Japan's tallest



Most of the active volcanoes on the RoF are found on its western edge, from Russia to New Zealand



MAJOR EARTHQUAKES IN RoF

- **Valdivia Earthquake of Chile 1960**- strongest recorded earthquake
- **Northern Sumatra Earthquake 2004**- occurred in Indian Ocean



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