



Mount Lewotobi Laki Laki

[Source: IE](#)

Mount Lewotobi Laki Laki, one of Indonesia's most active volcanoes erupted, spewing ash up to 18 km high and covering nearby villages with volcanic debris.

- **Mount Lewotobi** is located on the **Indonesian island of Flores**. It lies along the [Pacific "Ring of Fire,"](#) known for intense seismic activity.
 - The volcano is part of a twin-peaked system called **Lewotobi**, meaning "**husband and wife**." It consists of the **Lewotobi Lakilaki (man)** and **Lewotobi Perempuan (woman)** **stratovolcanoes**, whose summit craters are located less than 2 km apart on Flores Island.
 - The **Ring of Fire**, or **Circum-Pacific Belt**, is a 40,000 km zone around the Pacific Ocean marked by intense seismic and volcanic activity. It hosts 75% of Earth's volcanoes (over 450) and 90% of earthquakes.
- This eruption ranks among Indonesia's largest since 2010, when **Mount Merapi** erupted, killing over 350 people and displacing hundreds of thousands.
 - **Merapi**, located in **Yogyakarta**, is Indonesia's highly active and known for frequent eruptions and deadly **pyroclastic flows** (fast-moving avalanches of hot gas and volcanic debris) posing major hazards over the past two decades.

Indonesia's Mount Lewotobi Laki-laki



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 Alpide 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 (Hawaii)**- 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

Read more: [Mount Lewotobi, Kamchatka Peninsula](#)

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