

# Mount Sinabung

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**In news :** Mount Sinabung of Indonesia erupted and sent a cloud of hot ash as high as 3 km

## About Mount Sinabung volcano

- **Location: It is Karo Highlands in** North Sumatra, Indonesia
- This mountain sits on the Sunda Arc of the subduction zone of the Indo-Australian plate under the Eurasian plate.
- **Mount Sinabung volcano** is a pleistocene-to-holocene era stratovolcano, and it had been dormant for about 400 years until 29 August 2010.
- This volcano is among the 120 other active volcanoes in the country that are located on the Ring of Fire, which is an arc of volcanoes and fault lines that is encircling the Pacific Ocean
- It is the only volcano that is currently on level 4 alert and is considered, by global experts, to be highly dangerous.



- Sinabung has four overlapping summit craters, where fumaroles have been active, particularly in 1912, but no

eruption followed the increase of fumarolic activity then.

- The 4 summit craters are aligned along a N-S direction.

## **Ring of Fire**

- It is a region around much of the rim of the Pacific Ocean where many volcanic eruptions and earthquakes occur.
- The Ring of Fire is a horseshoe-shaped belt about 40,000 km long and up to about 500 km wide.
- Most of the Earth's volcanoes are located around the Pacific Ring of Fire because that the location of most of the Earth's subduction zones