



Mount Semeru volcano

Why in News

Recently, **Mount Semeru volcano of Indonesia** erupted which killed at least 14 persons and left dozens injured.

- The last time it erupted was in **December 2020**.

// Indonesia : eruption of Mount Semeru



Key Points

▪ About Semeru Volcano:

- Semeru, also known as **the Great Mountain** - is the **highest volcano in Java** and one of the most active.
- Semeru volcano is also the **part of the Island arcs** formed by the subduction of the Indo-Australian plate below **Sunda Plate (part of Eurasian Plate)**.

- The trench formed here is called **Sunda trench** whose major section is the Java Trench.

▪ Volcano in Indonesia:

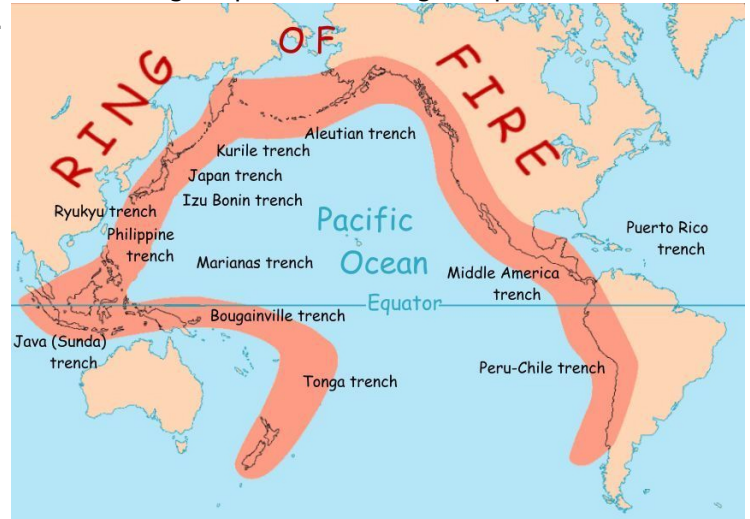
- Indonesia, with the **maximum number of active volcanoes in the world**, is prone to seismic upheaval due to its location on the **Pacific's Ring of Fire**.

▪ Pacific's Ring of Fire:

- The **Ring of Fire**, also referred to as the **Circum-Pacific Belt**, is a path along the **Pacific Ocean characterized by active volcanoes** and frequent earthquakes.
- Its length is **approximately 40,000 kilometers**. It traces boundaries between several

tectonic plates—including the Pacific, Cocos, Indian-Australian, Nazca, North American, and Philippine Plates.

- **75% of Earth's volcanoes** i.e. **more than 450 volcanoes are located along the Ring of Fire**. 90% of Earth's **earthquakes** occur along its path, including the planet's most violent and dramatic seismic events.



▪ **Other Major Volcanoes of Indonesia:**

- **Mount Merapi**
- **Mt. Sinabung**

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