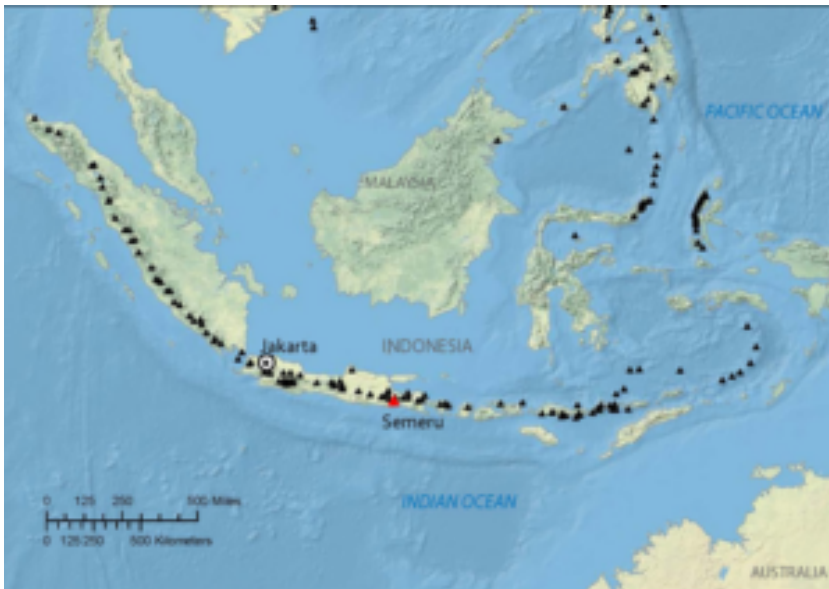


Semeru Volcano of Indonesia

February 25, 2021

In News: Mount Semeru, the highest volcano on Indonesia's most densely populated island of Java, spewed hot clouds as far away as 4.5 kilometers (nearly 3 miles) on Saturday.



- Semeru – also known as “The Great Mountain” – is the highest volcano in Java and one of the most active.
- It previously erupted in December, 2019.
- 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.
- 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.

Pacific 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.
- It traces boundaries between several tectonic

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

