

## Lesson learnt from Sakurajima's unrest event and eruption at Kuchinoerabujima in 2015

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After an eruption at Kuchinoerabujima on May 29, 2015, Japan Meteorological Agency (JMA) upgraded the alert level up to 5 (maximum, evacuation), all the residents evacuated from the island volcano. In addition to this, swarm of volcanic earthquakes associated with rapid inflation of the ground of Sakurajima pushed JMA to upgrade the alert level to 4 (evacuation of residents requiring assistance) and 77 residents evacuated from 3 villages of Sakurajima. In this paper, I will describe volcanic activity of the volcanoes and evacuation, and discuss on further advance of research to mitigate volcanic hazards.

Keywords: Forecasting of volcanic eruption, Evacuation, Mitigation of volcanic hazard