

SUNDAY
4 DEC 2022
1630 HRS UTC +7

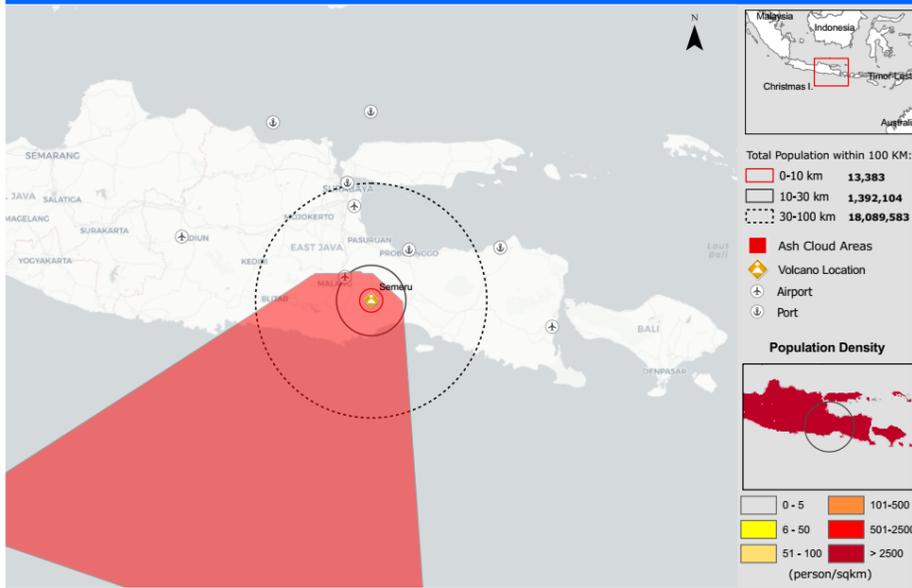
SEMERU VOLCANO ERUPTION INDONESIA FLASH UPDATE #1



Volcano Warning - Semeru Volcano, Indonesia 04 December 2022 0704 UTC



WAO (DARWIN) ASH ADVISORY SUMMARY: VOLCANO ASH LAST OBSERVATION TO FL500 OBSERVATION AT 040500Z. VOLCANO ASH IS CURRENTLY OBTAINED BY MET CLOUD BUT ERUPTION IS EXPECTED TO ONGOING BASED ON GROUND REPORTS AND WEBCAM. VOLCANO ASH LAST OBSERVATION TO FL500 ON HIMARWARAS AT 040500Z. VOLCANO ASH FORECAST BASED ON SATELLITE IMAGERY AND MODEL GUIDANCE.



Pacific Disaster Center | 13/04/2022 | <http://www.pdc.org> | response@pdc.org. Data: Volcano Ash Advisory Center, CIESIN Gridded Population of the World, ESRI. ©2015-2022 Pacific Disaster Center (PDC) - All rights reserved. Commercial use is permitted only with explicit approval of PDC.

04-12-2022 Sun 05:36:26



IRBox-HDCI-SARSU-REKGS-SBR SARI

KEY FIGURES

1.98K
DISPLACED

POPULATION EXPOSED

61,024
ESTIMATED
POPULATION EXPOSED

15,256
ESTIMATED HOUSEHOLDS
EXPOSED

CAPITAL EXPOSED

\$162 Million
ESTIMATED REPLACEMENT VALUE OF
BUILDINGS AND INFRASTRUCTURE

- **OVERVIEW:** According to the **Mount Semeru Volcano** Observation Post ([PPGA](#)) at Gunung Sawur, Pongcosumo Hamlet, Sumberwuluh Village, volcanic activity was recorded starting at 0344 HRS UTC+7. PPGA Pos Gunung Sawur then reported at 0355 HRS UTC+7 that volcanic ash from hot cloud avalanches was observed. According to the reports, hot cloud avalanches at 0355 HRS UTC+7 was observed to be $\pm 1,500$ m above summit ($\pm 5,176$ m above sea level). The ash column was observed to be grey with **moderate to thick intensity towards southeast and south**.
- **PRELIMINARY ANALYSIS:** According to the [ASEAN DMRS](#), it is estimated that **61,024 people, 15,256 households, and 162 Million USD** of infrastructure (total replacement cost) are within 10 km and more likely to be adversely impacted, and that there is no concentrated population between 10 km and 30 km of the volcano.
- **IMPACTS:** as of BNPB report at 1500 HRS UTC+7
 1. Affected areas: Pronojowo, Rowokangkung, Candipuro, and Pasirian Sub Districts in Lumajang Regency (East Java);
 2. A total of **1,979 persons displaced** in 11 evacuation centres;
- **RESPONSE:**
 1. The local disaster management authorities (BPBD) in Lumajang Regency and East Java Province as well as other related agencies still conduct evacuation for the affected communities in Lumajang Regency;
 2. Damage and impact assessments are on-going by relevant authorities and agencies;
 3. The local disaster management authorities (BPBD) Lumajang Regency also distributed **1K pcs of mask** to the affected communities in Lumajang Regency. BPBD East Java Province also provide 10K pcs of masks, 10K of medical masks, and 4K of kids' masks.
 4. Department of Social Affairs and Red Cross Indonesia (PMI) plan to **establish public kitchen** in 4 most affected subdistricts in Lumajang Regency.
 5. PVMBG and BMKG are actively monitoring Mount Semeru. Based on the assessment of [PVMBG](#) and consideration of potential hazards, alert status of Semeru Volcano has been raised from Level III to **Level IV (Highest Alert Level for Volcano in Indonesia)** as of **4 December 2022 at 1200 HRS UTC+7**.
 6. Under Alert Level IV, any activities within a **radius of 8 km from the summit** of Mount Semeru, **17 km in the southeast direction from the summit**, and **500 m along Besuk Kobokan Riverside** (19 km following Besuk Kobokan River from the summit) **are PROHIBITED**. Alert Level IV of Semeru volcano also calls for awareness of hot clouds, lava flow, and lahar flow—potential hazards from the volcanic activity of Mount Semeru.
- The AHA Centre will continue to monitor for further developments and issue necessary updates.

DATA SOURCES

ASEAN Disaster Monitoring & Response System (DMRS); Pacific Disaster Center (PDC Global);

Indonesia: BNPB, PVMBG, BMKG

Verified news media agencies

DISCLAIMER

The AHA Centre was established in November 2011 by the Association of Southeast Asian Nations (ASEAN) Member States to facilitate cooperation and coordination among the Member States, relevant agencies of the United Nations, and international organisations in disaster management and humanitarian assistance.

The use of boundaries, geographic names, related information and potential considerations for response are for reference, not warranted to be error free or implying official endorsement from ASEAN Member States.

© 2022 AHA Centre.

All rights reserved.

You are receiving this email because you are registered in our distribution list.

Our mailing address is:

AHA Centre,
GRAHA BNPB 13th Floor,
Jl. Raya Pramuka Kav. 38,
Jakarta 13120 Indonesia