Actionable Intelligence for Volcanos

Volcano Hazards

DisasterAWARE's volcano hazard type provides users real-time monitoring and detection of volcanic activity. Additionally, users receive situational intelligence to better understand and respond to the volcanic activity, such as **Observed Ash Cloud, Forecast Ash Clouds** (current, 6 hour, 12 hour, 18 hour), and **Current Ash Advisories**. Know what assets and employees may be directly impacted, as well as the general exposure within the hazard zone.

Focused Alerting

View and keep tabs on all global volcanic activity or define Smart Alerts areas to receive Smart Alerts only for the places you care about.

Enhance the monitoring and protection of specific assets (e.g. buildings, team and resource locations)

Hazard Severity & Data Source

Severities are based on the following conditions:

Sources: Volcanic Ash Advisory Centers (VAAC)

⚠ Warning

An eruption is currently in progress, imminent, or heightened unrest suggests an increased likelihood of eruption, posing a HIGH risk to the nearby population.
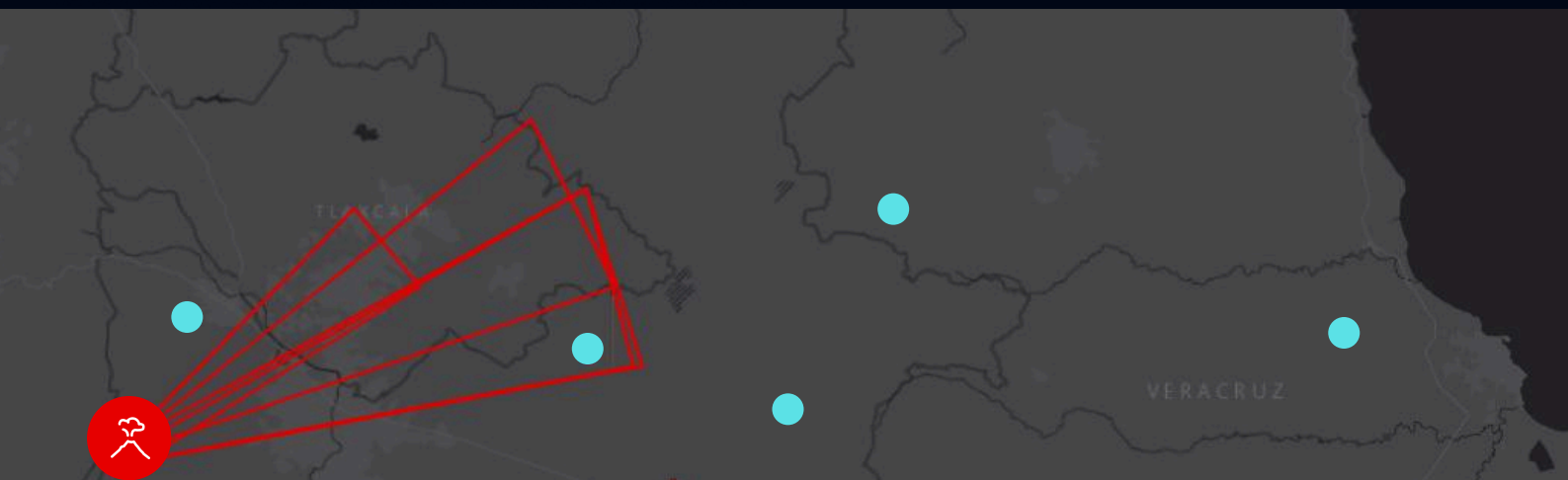
⚠ Watch

An eruption is currently underway, there is an increased likelihood of eruption, or signs of elevated unrest, posing a MODERATE risk to the nearby population.

⚠ Advisory

Signs of elevated unrest with a LOW risk to nearby population, or the volcano has returned to a normal, non-eruptive state.

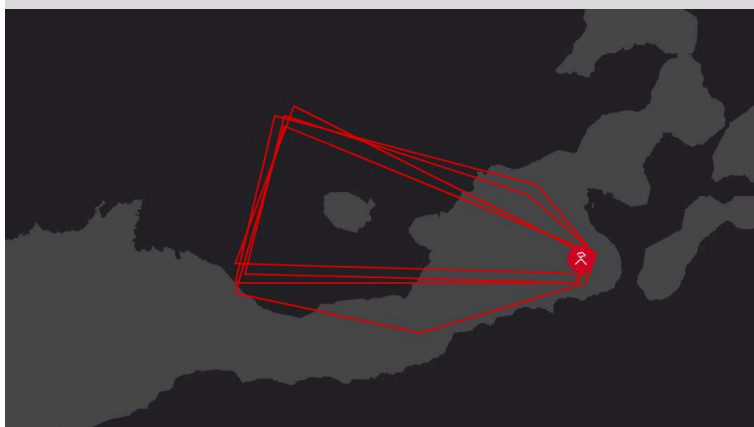## Enhanced Monitoring and Protection of Assets

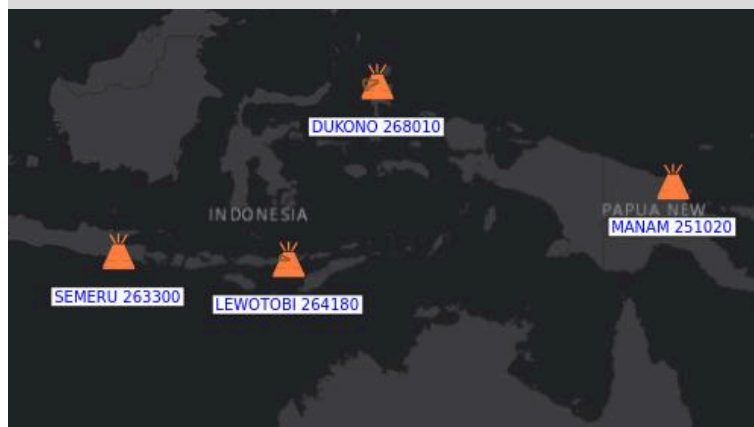# Quickly assess the event/ impact and view related GIS layers

VOLCANIC ERUPTION
Volcano - Marapi, Indonesia
Reported: a month ago
Updated: 6 hours ago

Products | Info | Layers | Event Brief

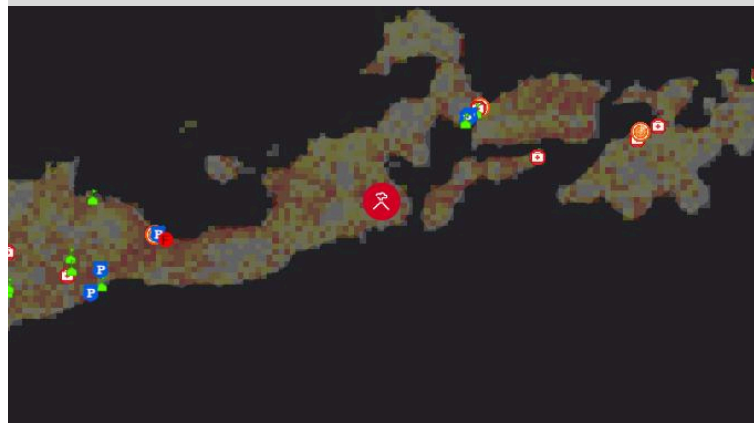## Ash Clouds - Observed & Forecast (Hazard Tooltip)

Current Ash Advisories - VAAC (Hazard Tooltip)

DUKONO 268010

MANAM 251020

INDONESIA

SEMERU 263300

LEWOTOBI 264180

PAPUA NEW

Data on Specific Volcanos (Layers > Regional Data)

Data on Specific Volcanos (Layers > Regional Data)

Quickly answers:

- **What** happened?
- **Where** was it?
- **How bad** was it?
- **What actions** do I need to take?

Event Brief

10km radius and additional hazard zones if available.
(See example below.)

VOLCANO - MARAPI, INDONESIA
INDONESIA
EVENT STATUS AS OF 03 JANUARY 2024 13:17 (UTC)

PDC | GLOBAL

1 COUNTRY AFFECTED   SET FILTER BY COUNTRY

HAZARD EXPOSURE | RISK PROFILE | ORGANIZATIONS & ACTIVITIES

POPULATION EXPOSED

ESTIMATED POPULATION EXPOSED
56,900

ESTIMATED HOUSEHOLDS EXPOSED
14,700

BREAKDOWN OF KEY NEEDS
FOR EXPOSED VULNERABLE POPULATION

11.9 MILLION
CALORIES PER DAY

ESTIMATED VULNERABLE POPULATION EXPOSED
5,690

17,000
LITERS OF WATER PER DAY

569
100-LITER WASTE BINS

26%
1,451
CHILDREN
AGE 0-14

68%
3,852
ADULTS
AGE 15-64

7%
387
ELDERLY
AGE 65+

19,600
SQUARE METERS OF SHELTER

ESTIMATED HOSPITALS EXPOSED
3

ESTIMATED SCHOOLS EXPOSED
3

CAPITAL EXPOSED
USD
1.90 BILLION