



ONE ASEAN  
ONE RESPONSE

# WEEKLY DISASTER UPDATE

Week 51  
20 – 26 Dec 2021

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#### SOURCES

ASEAN Disaster Monitoring & Response System (DMRS);  
ASEAN Specialised Meteorological Centre (ASMC); Joint  
Typhoon Warning Centre (JTWC);

Indonesia: BNPB, BMKG, PVMBG;  
Philippines: NDRRMC, PAGASA, PHIVOLCS, DSWD;  
Myanmar: DDM;  
Thailand: TMD

Various news 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  
Member States, relevant agencies of the United Nations  
and international organisations in disaster management and  
emergency response.

This update consists of significant natural disaster events that  
occurred in ASEAN Member States – Brunei  
Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia,  
Myanmar, Philippines, Singapore, Thailand, and Viet Nam.  
The disasters recorded include Drought, Flood, Earthquake,  
Tsunami, Volcano, Wind, Landslide, and Storm.

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

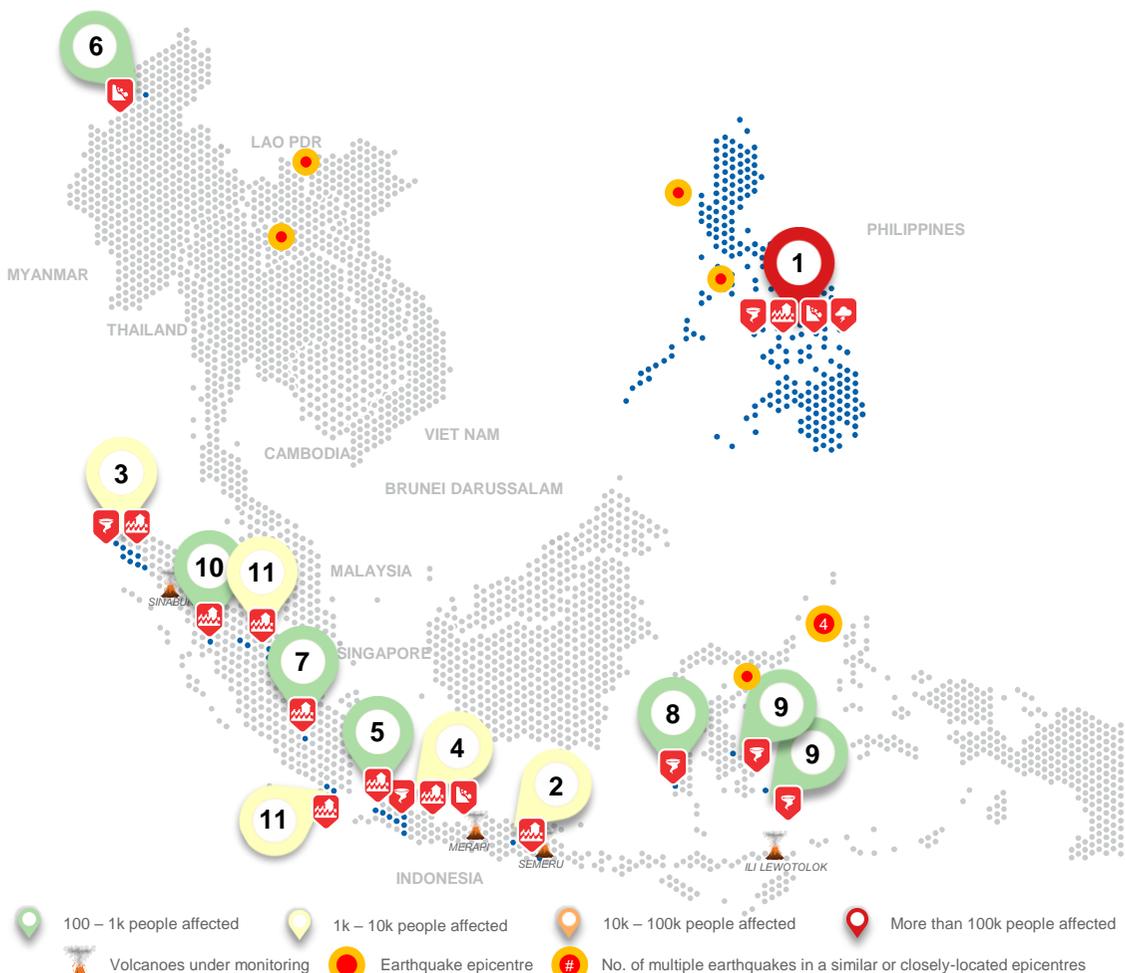
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## REGIONAL TALLY



Note: Estimations are based on data reported/confirmed by National  
Disaster Management Organisations of each respective ASEAN  
Member State and other verified sources

## REGIONAL SUMMARY:

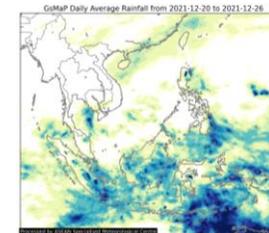
For the fifty-first (51st) week of 2021, a total of 25 disasters (18 floods, 3 landslides, and 4 wind-related) affected the region. Indonesia and Myanmar have reportedly been affected. Heavy rainfall has caused flooding, rain-induced landslides, and tornado in Sumatra, Java, and Sulawesi as reported by Indonesia's Badan Nasional Penanggulangan Bencana (BNPB). For Myanmar, landslides were reported in Kachin States.

## HIGHLIGHT:

As of 27 Dec 2021, the National Disaster Risk Reduction and Management Council (NDRRMC) reported that the impacts of the Typhoon RAI in the Philippines has reached 1.1M families (4.2M persons) affected, 389 death, 64 missing, 1.15 injured, 570.9K displaced, and damaged 506.4K houses (561.9K USD estimated cost of damaged houses), 225 roads, and 25 bridges. Damages to infrastructure and agriculture amounting to 439.5M USD. In response, 2.4M USD worth of assistance have already been provided to those affected by the effects of the Typhoon RAI in the Philippines.

Following the signing of the Contractual Arrangement between the NDRRMC- OCD and the AHA Centre, the AHA Centre raised its Emergency Operations Centre's Alert Level to RED (Active Response). In coordination with NDRRMC- OCD, the AHA Centre facilitated the mobilisation of the relief items (541 shelter repair kits, 275 family tents, 5,000 family kits, 1,000 tarpaulin, 5,000 personal hygiene kits, and 1,000 kitchen sets) from the DELSA Satellite Warehouse in Camp Aguinaldo, Quezon City, the Philippines. A total of 366 shelter repair kits, 55 family indoor tent, and 232 rolls of tarpaulins has arrived at the Clark Airport, Philippines and will be distributed to the province of Surigao. As of 27 Dec, another 768 rolls of tarpaulins have been withdrawn from the DELSA Satellite Warehouse in Camp Aguinaldo, Quezon City, the Philippines to be distributed to the affected areas. The remaining relief items will be distributed in coordination with NDRRMC- OCD.

## HYDRO-METEO-CLIMATOLOGICAL:



For the past week, data from the ASEAN Specialised Meteorological Centre (ASMC) showed high 7-day average rainfall spreading across Maluku and East Nusa Tenggara as a result of the development of INVEST 97S, Papua, Kalimantan, Java, and Sumatra, Indonesia; and eastern Mindanao and northern Luzon of the Philippines. As of 27 Dec, at 1300 HRS UTC+7, INVEST 97S is now located outside the ASEAN Region (246 km south of Darwin, Australia) and forecasted to move to the east-southeast direction (JTWC).

## GEOPHYSICAL:

Nine (9) significant earthquakes (M≥5.0) were recorded in the region by Indonesia's Badan Meteorologi Klimatologi dan Geofisika (BMKG), the Philippine Institute of Volcanology and Seismology (PHIVOLCS), and Thailand Meteorological Department (TMD). Semeru (alert level III), Kerinci (alert level II), and Dukono (alert level II) in Indonesia, and Mount Taal (alert level 2) and Kanlaon (alert level 1) in the Philippines reported recent volcanic activity according to Pusat Vulkanologi dan Mitigasi Bencana Geologi (PVMBG) and PHIVOLCS.

## OUTLOOK:

According to the ASEAN Specialised Meteorological Centre (ASMC), for the coming week, wetter conditions are expected over much of the Philippines, northern Borneo, northern Sulawesi, parts of Viet Nam, and the Malay Peninsula; cooler temperature is expected over much of central and eastern mainland Southeast Asia; warmer temperature is expected over southeastern parts of the maritime continent. For the regional assessment of extremes, there is a moderate increase in chance in coastal Viet Nam, southern and central Philippines, northern Borneo and northern Sulawesi, and small increase in chance in southern Thailand and eastern coast of Peninsular Malaysia for a very heavy rainfall event; moderate increase in chance for extreme hot conditions to occur in southeastern parts of the maritime continent; small increase in chance for extreme cold conditions to occur in central and eastern mainland Southeast Asia. La Niña conditions are now present in the Pacific. At the seasonal timescale, La Niña events tend to bring wetter conditions to much of the ASEAN region.