



ONE ASEAN  
ONE RESPONSE

# WEEKLY DISASTER UPDATE

Week 49  
06 – 12 Dec 2021



The AHA Centre, GRAHA BNPB 13th floor,  
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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;  
Malaysia: NADMA;  
Myanmar: DMH;  
Philippines: NDRRMC, PAGASA, PHIVOLCS, DSWD;

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.

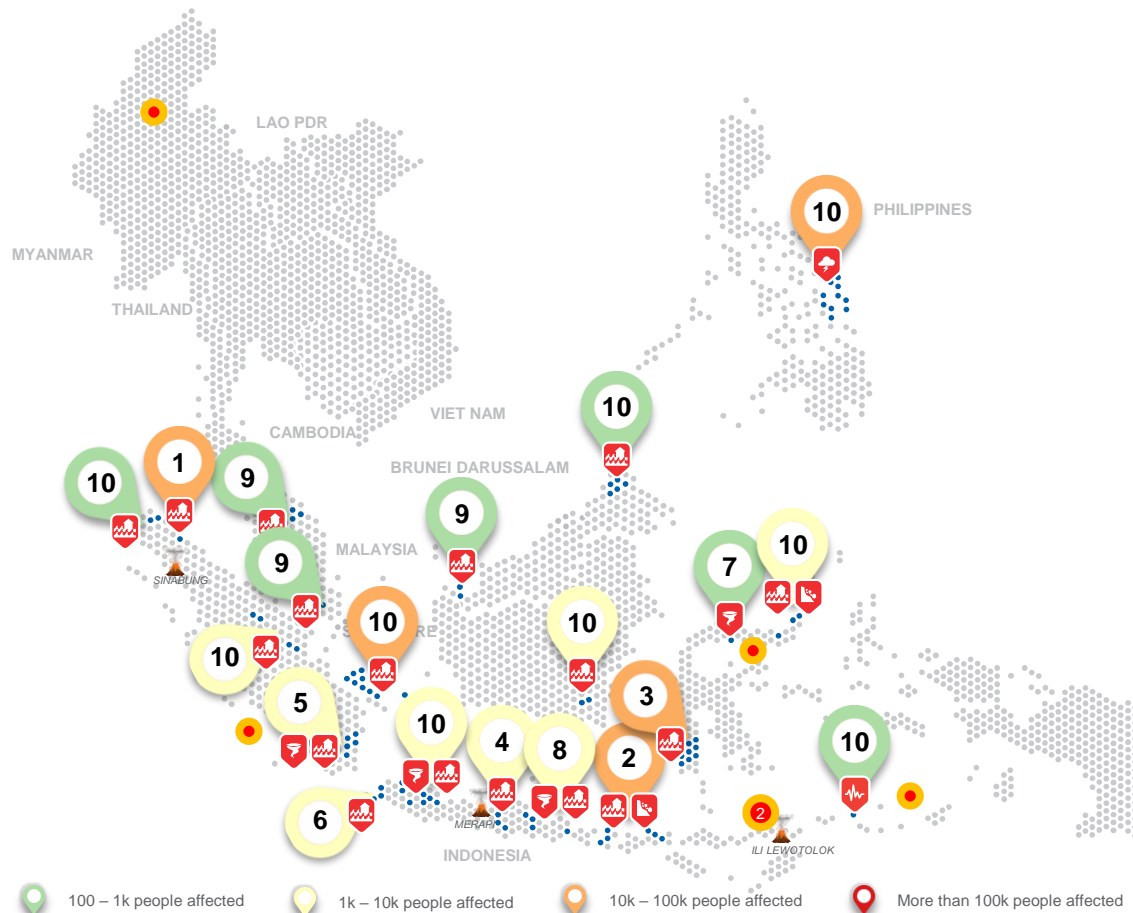
The use of boundaries, geographic names, related  
information, and potential considerations for response are  
for references, not warranted to be error-free or implying  
official endorsement from ASEAN Member States.

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100 – 1k people affected  
1k – 10k people affected  
10k – 100k people affected  
More than 100k people affected  
Volcanoes under monitoring  
Earthquake epicentre  
No. of multiple earthquakes in a similar or closely-located epicentres

## 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

- 01 Indonesia, Flooding in [Medan City](#) (North Sumatra)**  
06 Dec 2021
- 02 Indonesia, Flooding in [West Lombok Regency](#) and [Bima City](#),  
and Flooding and Landslide in [North Lombok Regency](#) (West  
Nusa Tenggara)**  
06, 06, 06 Dec 2021
- 03 Indonesia, Flooding in [Soppeng](#), [Wajo](#), [Makasar City](#),  
[Pankajene Islands](#), and [Sidenreng Rappang](#) (South Sulawesi)**  
06, 06, 07, 07, 08 Dec 2021
- 04 Indonesia, Flooding in [Wonorejo](#) and [Grobogan](#) Regency  
(Central Java)**  
06, 06 Dec 2021
- 05 Indonesia, Flooding in [East Lampung Regency](#), and Flooding  
and Strong Wind in [South Lampung Regency](#) (Lampung)**  
06, 10 Dec 2021
- 06 Indonesia, Flooding in [Pandeqlang](#), [Serang](#), and [Serang](#)  
Regency (Banten)**  
06, 07, 11 Dec 2021
- 07 Indonesia, Strong Wind in [Pohuwatu Regency](#) (Gorontalo)**  
06 Dec 2021
- 08 Indonesia, Flooding in [Banyuwangi](#) and [Pasuruan](#), and Strong  
Wind in [Pamekasan](#) and [Sidoarjo](#) Regency (East Java)**  
06, 08, 10, 10 Dec 2021
- 09 Malaysia, Flooding in [Serawak](#), [Kelantan](#), and [Johor](#)**  
06 Dec 2021
- 10 Other events: Indonesia – [Tapin](#) (07-12), [Bangka Belitung](#) (07-12), [Manado](#) (07-12), [Bolaang  
Mongondow](#) (07-12), [West Bangka](#) (08-12), [East Aceh](#) (09-12), [Bandung](#) (10-12), [Indragiri Hilir](#)  
(10-12), [Rokan Hulu](#) (11-12), [Cirebon](#) (11-12), [Majalengka](#) (11-12), [Karawang](#) (11-12), [Southwest  
Maluku](#) (11-12), [Bekasi](#) (12-12), [Karawang](#) (12-12), [Malaysia – \[Kota Marudu\]\(#\) and \[Pitas\]\(#\) \(07-12\),  
Philippines – \[Eastern Samar\]\(#\) and \[Leyte\]\(#\) \(11-12\)](#)**

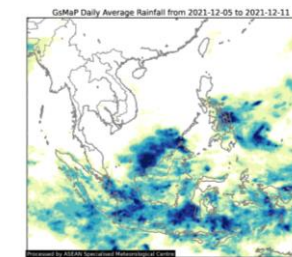
## REGIONAL SUMMARY:

For the forty-ninth (49th) week of 2021, a total of 42 disasters (1 earthquake, 34 floods, 2 landslides, 1 storm, and 1 wind-related) affected the region. Indonesia, Malaysia, and the Philippines have reportedly been affected. Heavy rainfall has caused flooding, rain-induced landslides, and tornado in Sumatra, Bangka Belitung, Java, Nusa Tenggara, Kalimantan, and Sulawesi, and earthquake in Maluku as reported by Indonesia's Badan Nasional Penanggulangan Bencana ([BNPB](#)). For Malaysia, floods were reported by Agensi Pengurusan Bencana Negara ([NADMA](#)) in Serawak, Kelantan, Johor, and Sabah States. For the Philippines, the effects of shear line were reported by the Department of Social Welfare and Development ([DSWD](#)) in Eastern Samar and Leyte.

## HIGHLIGHT:

According to [BNPB](#), heavy rainfall and the overflowing of dam and rivers across Sulawesi since 6 Dec has caused flooding, landslides, and wind-related events in Pohuwato (Gorontalo), Manado, and Bolaang Mongondow (North Sulawesi), and Soppeng, Wajo, Makassar, Pangkajene Islands, and Sidenreng Rappang (South Sulawesi). In total, 22.6K families (95.1K persons) have been affected, 4.9K persons displaced, 1 dead and 1 missing persons have been reported in Gorontalo, North Sulawesi, and South Sulawesi Province. Reports of damages include 7.3K houses, 10 bridges, 2 roads, 24 schools, 18 health facility, 14 public facilities, 20 places of worship, and 4.8K ha of rice fields and 2.4K ha of other crops. Local disaster management agencies have carried out necessary actions and continue to monitor and assess the situation. The [BNPB](#) also reported flooding and landslide in West Lombok, North Lombok, and Bima City (West Nusa Tenggara) on 6 Dec. The events have affected 16.9K families (64.1K persons), 2.8K persons displaced, 5 dead, 1 missing, 15 injured, and damaged 13K houses, 6 bridges, 39 schools, 1 health facility, and 1 worship place.

## HYDRO-METEO-CLIMATOLOGICAL:



For the past week, data from the ASEAN Specialised Meteorological Centre ([ASMC](#)) showed noticeably high 7-day average rainfall in Samar and Leyte of the Philippines, Sabah and Serawak of Malaysia, and spreading across Sumatra, Java, Nusa Tenggara Islands, Kalimantan, South Sulawesi, and Papua of Indonesia. As of reporting, Tropical Disturbance 28W was estimated to be 1,975 km East of Mindanao, Philippines and is moving west-northwestward and is forecast to likely enter the Philippine Area of Responsibility (PAR) as a Severe Tropical Storm (STS) on Tuesday (14 Dec) evening. It is expected to make landfall in the vicinity of Eastern Visayas or Caraga by Thursday (16 Dec) afternoon or evening ([PAGASA](#), [JTWC](#)).

## GEOPHYSICAL:

Six (6) significant earthquakes (M≥5.0) were recorded in the region by Indonesia's Badan Meteorologi Klimatologi dan Geofisika ([BMKG](#)) and Myanmar's Department of Meteorology and Hydrology ([DMH](#)). Mount Ili Lewotolok (alert level III) and Semeru (alert level III) 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 the Philippine Institute of Volcanology and Seismology ([PHIVOLCS](#)).

## OUTLOOK:

According to the ASEAN Specialised Meteorological Centre ([ASMC](#)), for the coming week, wetter conditions are expected over central parts of the Philippines and the eastern coastal regions of Mainland Southeast Asia, western, and eastern parts of the equatorial region. Warmer temperature is expected over the southeastern parts of the Maritime Continent. For the regional assessment of extremes, there is a small increase in chance in Coastal parts of eastern Mainland Southeast Asia, eastern Borneo and moderate increase in chance in Central Philippines, western/eastern equatorial region for very heavy rainfall event; a moderate increase in chance for extreme hot conditions in Eastern parts of the Maritime Continent. La Niña conditions are now present in the Pacific. At the seasonal timescale, La Niña events bring wetter conditions to much of the ASEAN region.