



ONE ASEAN
ONE RESPONSE

WEEKLY DISASTER UPDATE

Week 33
15 - 21 August 2022

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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;
Lao PDR: NDMO;
Philippines: NDRRMC, PAGASA, PHIVOLCS;
Thailand: DDDPM;

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.

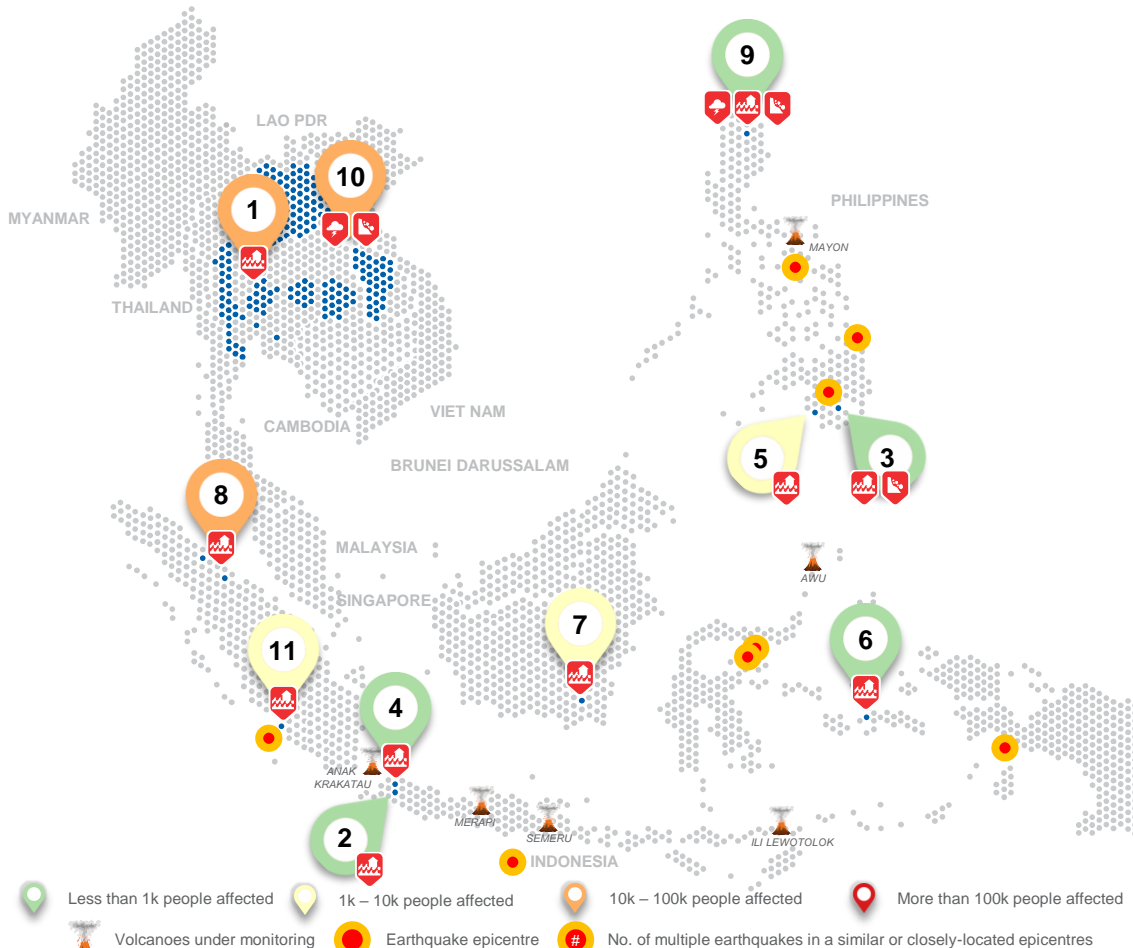
The use of boundaries, geographic names, related
information, and potential considerations for response are
for references, not warranted to be error-free or implying
official endorsement from ASEAN Member States.

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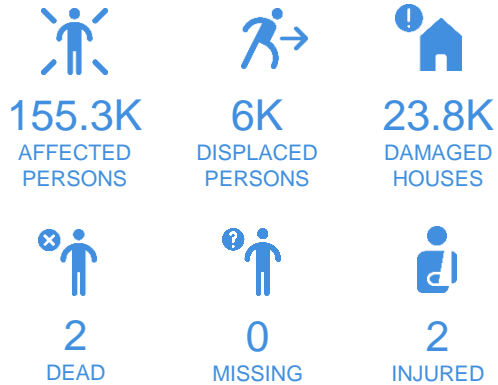
For inquiries, comments, and/or suggestions,
you may reach us through dma@ahacentre.org



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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

- 01 Thailand, [Flooding in 19 Provinces](#)**
15 Aug 2022
- 02 Indonesia, [Flooding in Bogor Regency \(West Java\)](#)**
15 Aug 2022
- 03 Philippines, [Flooding and Landslides in Makilala and Kidapawan City \(Cotabato\)](#)**
16 Aug 2022
- 04 Indonesia, [Flooding in Jakarta Timur and Selatan \(DKI Jakarta\)](#)**
16 Aug 2022
- 05 Philippines, [Flooding in Region XII](#)**
17 Aug 2022
- 06 Indonesia, [Flooding in West Seram Regency \(Maluku\)](#)**
17 Aug 2022
- 07 Indonesia, [Flooding in Hulu Sungai Tengah Regency \(South Kalimantan\)](#)**
17 Aug 2022
- 08 Indonesia, [Flooding in Medan City, Deli Serdang Regency, Binjai City, Asahan Regency \(North Sumatera\)](#)**
18, 18, 20, 20 Aug 2022
- 09 Philippines, [Storms, Flooding, and Landslide in Region II](#)**
18 Aug 2022
- 10 Lao PDR, [Storms and Flooding in 9 Provinces \(Tropical Storm MULAN\)](#)**
18 Aug 2022
- 11 Indonesia, [Flooding and Landslide in Bengkulu City \(Bengkulu\)](#)**
21 Aug 2022

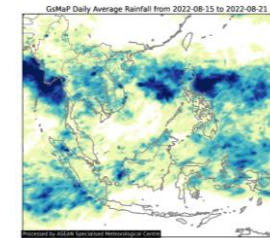
REGIONAL SUMMARY:

For the thirty-third week of 2022, a total of 24 disasters (19 floods, 3 landslides, and 2 storms) affected the ASEAN region. Indonesia, Lao PDR, the Philippines, and Thailand have reportedly been affected. Flooding due to moderate to heavy rainfall and the overflowing of rivers were reported by *Badan Nasional Penanggulangan Bencana (BNPB)* in Bogor, Jakarta, Maluku, South Kalimantan, North Sumatra, and Bengkulu. Second, the Philippines' National Disaster Risk Reduction and Management Council (*NDRRMC*) reported that localised thunderstorms brought by the Southwest Monsoon, resulted in flooding/flashfloods and rain-induced landslides in areas in Region II and XII and in Cotabato. Third, the National Disaster Management Organisation of Lao PDR reported that because of Tropical Storm MULAN, flooding and landslides were widespread in 9 (nine) provinces. Lastly, the Department of Disaster Prevention and Mitigation (*DDPM*) of Thailand reported flooding to have occurred in 19 provinces as a result of the Southwest Monsoon, the monsoon trough situation, and the presence of a low-pressure cell.

HIGHLIGHT:

From 15 to 22 Aug 2022, flooding affected 19 provinces in Thailand (Ang Thong, Chaiyaphum, Khon Kaen, Lamphun, Maha Sarakham, Mukdahan, Nakhon Sawan, Phetchaburi, Phichit, Phitsanulok, Phra Nakhon Si Ayutthaya, Prachin Buri, Si Sa Ket, Tak, Ubol Ratchathani, Yasothorn). This is attributed to the monsoon trough situation, the presence of a low-pressure cell, and the Southwest Monsoon. As a result, 12.6K households (estimated 63.1K persons) have been affected. As of reporting, flooding persists in 8 provinces (*DDPM*).
From 6 to 18 Aug 2022, because of Tropical Storm MULAN, widespread flooding was reported in Lao PDR. 8.6K families (40.5K persons) were affected, 2 injured, 540 houses damaged, 14 bridges and 90 road points damaged, 11 schools, 22 public facilities, 830 fishponds, and 18.7K livestock have been affected. According to the NDMO of Lao PDR, it is still within their capacity and will correspond with the AHA Centre if they need assistance.

HYDRO-METEO-CLIMATOLOGICAL:



For the past week, data from the ASEAN Specialised Meteorological Centre (*ASMC*) showed high 7-day average rainfall spreading across the Philippine Sea, West Philippine Sea-South China Sea attributed to the developments of INVEST 93W in the Philippine Sea and the Southwest Monsoon. Noticeably high rainfall can be observed in the Southern coasts of Myanmar due to the westward moving INVEST 99B. As of reporting, INVEST 93W is now Tropical Storm Ma-on (local name: Florita) and is heading northwestwards (*JTWC*).

GEOPHYSICAL:

Eight (8) significant earthquakes ($M \geq 5.0$) were recorded in the region by *Indonesia's Badan Meteorologi, Klimatologi, dan Geofisika (BMKG)* and the Philippine Institute of Volcanology and Seismology (*PHIVOLCS*). Mount Semeru (alert level III), and Dukono and Ibu (Alert Level II) in Indonesia and Mayon Volcano (raised to alert level 1) in the Philippines reported recent volcanic activity according to the *Pusat Vulkanologi dan Mitigasi Bencana Geologi (PVMBG)* and *PHIVOLCS*. Bulusan Volcano in the Philippines was downgraded to Level 0 as of 21 Aug 2022.

OUTLOOK:

According to the ASEAN Specialised Meteorological Centre (*ASMC*), for the coming week, wetter conditions are predicted over much of the southern ASEAN region with the highest likelihood over areas between the equator and 5°S; drier conditions are expected over much of Mainland Southeast Asia; cooler temperatures is predicted over parts of the equatorial region in line with the wetter conditions; warmer temperatures are predicted over northern Mainland Southeast Asia. For the regional assessment of extremes, there is a moderate increase in chance for a very heavy rainfall event in much of the equatorial region; a small increase in chance for extreme hot conditions in Northern Viet Nam and Java Region and moderate chance in Northern Myanmar. Weak La Niña conditions have been present. At the seasonal timescale, La Niña events tend to bring wetter conditions to much of the ASEAN region. A negative Indian Ocean Dipole (IOD) is now likely also present. Negative IOD tends to bring wetter conditions to much of the southern ASEAN region.