



ONE ASEAN
ONE RESPONSE

WEEKLY DISASTER UPDATE

Week 37
11 – 17 September 2023

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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;
Myanmar: DMH;
Philippines: NDRRMC, PHIVOLCS;
Thailand: DDPM;
Viet Nam: VDDMA;

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 reference, not warranted to be error-free or implying
official endorsement from ASEAN Member States.

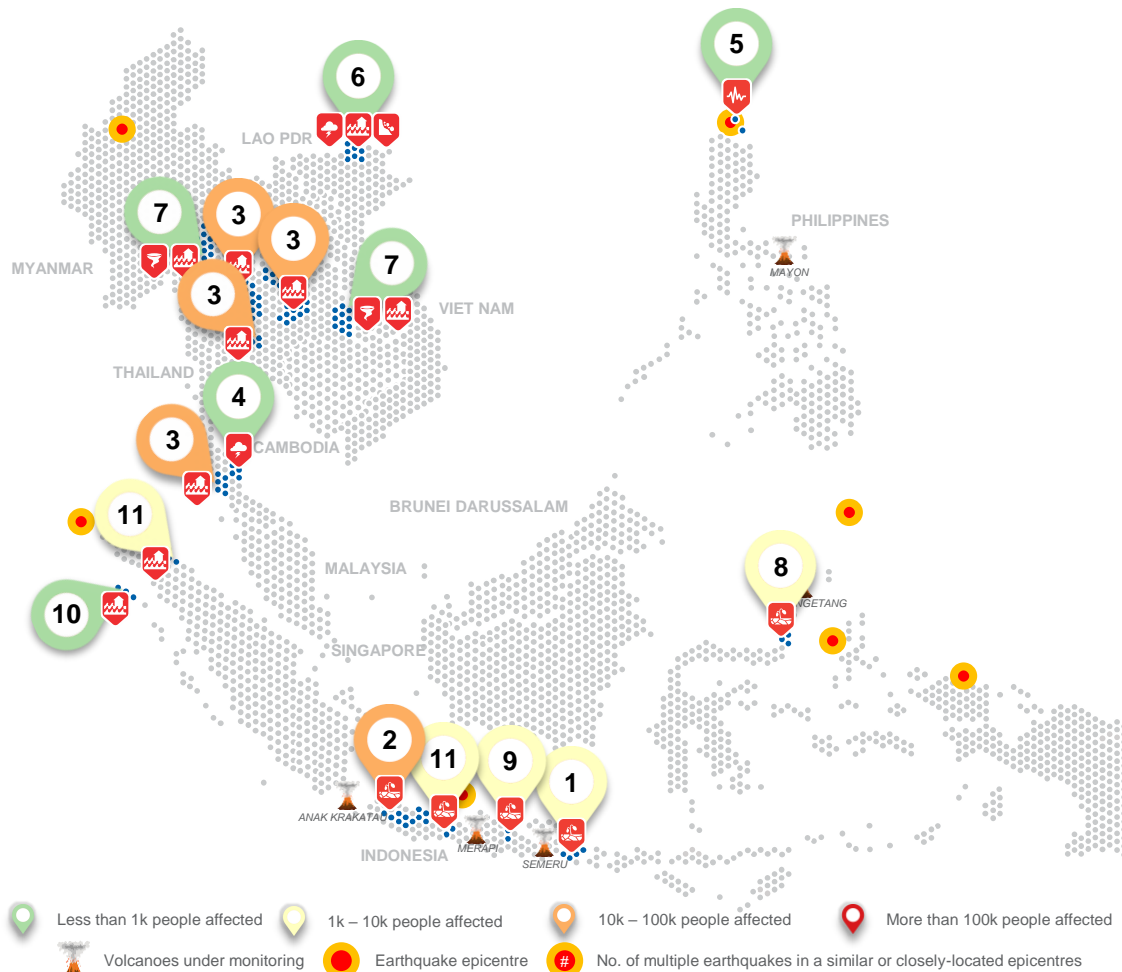
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SCAN TO SUBSCRIBE



- Less than 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, Drought in [Jembrana](#) and [Karangasem](#) (Bali)

11, 12 Sep 2023

02 Indonesia, Drought in [Majalengka](#), [Bandung](#), and [Bogor](#) (2) (West Java)

12, 14, 15, 16 Sep 2023

03 Thailand, Flooding in [Northeastern](#), [Central](#), [Eastern](#), and [Southern Regions](#)

12 Sep 2023

04 Thailand, Storms in [Phatthalung](#)

12 Sep 2023

05 Philippines, [M6.3 Earthquake in Cagayan](#) (Region II)

12 Sep 2023

06 Viet Nam, Flooding, Landslides, and Storms in [Lao Cai](#)

12 Sep 2023

07 Thailand, Flooding and Wind in [Lampang](#), [Chiang Mai](#), and [Ubon Ratchathani](#)

13 Sep 2023

08 Indonesia, Drought in [Tomohon](#) (North Sulawesi)

14 Sep 2023

09 Indonesia, Drought in [Nganiuk](#) (East Java)

15 Sep 2023

10 Indonesia, Flooding in [Simeulue](#) (Acheh)

15 Sep 2023

11 Others: Indonesia - [Medan](#) (16 Sep), [Banyumas](#) (17 Sep)

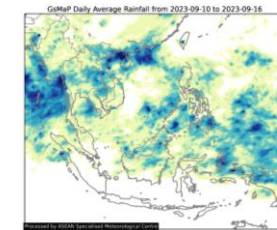
REGIONAL SUMMARY:

For the thirty-seventh week of 2023, eighteen (18) disaster events reportedly affected the region. Indonesia, Philippines, Thailand, and Viet Nam have been reportedly affected. [Badan Nasional Penanggulangan Bencana \(BNPB\)](#) of Indonesia reported floods in Aceh and North Sumatra; drought in West Java, Central Java, East Java, Bali, and North Sulawesi. Meanwhile in the Philippines, M6.3 earthquake occurred in Dalupiri Island (Calayan) with a depth of 29 km affecting Cagayan Province as reported by the National Disaster Risk Reduction and Management Council ([NDRRMC](#)). Thailand's Department of Disaster Prevention and Mitigation ([DDPM](#)) reported floods and storms across Northern, Northeastern, Central, Eastern, and Southern Regions. Lastly, Viet Nam Disaster and Dyke Management Authority ([VDDMA](#)) reported flooding, landslides, and storms in Lao Cai.

HIGHLIGHT:

According to the Philippine Institute of Volcanology and Seismology ([PHIVOLCS](#)), M6.3 with a depth of 29 km on 12 Sep 1803 HRS UTC+7, occurred in Cagayan. As of 13 Sep, the [NDRRMC](#) reported that the impacts of the M6.3 earthquake in Cagayan has reached 174 persons (43 families) affected from 3 barangays, 5 injured, 3 damaged houses, and 42 schools with an initial estimated amount of damage amounting to USD 787K. In Viet Nam, according to [VDDMA](#), flooding, landslides, and storms in Lao Cai, caused the death of 10 individuals. Local authorities mobilised around 300 personnel to participate in search and rescue operations. Meanwhile in Thailand, according to [DDPM](#), heavy rainfall, windstorms, and the effects of Southwest Monsoon have caused floods in Northeastern, Central, Eastern, and Southern Region. In total, these disaster events have affected 5.4K families and 2 people died have been reported by [DDPM](#). As of reporting, relevant government authorities have carried out necessary actions to address the situation.

HYDRO-METEO-CLIMATOLOGICAL:



For the past week, data from the ASEAN Specialised Meteorological Centre ([ASMC](#)) showed moderate to high 7-day average rainfall spreading across Cambodia; Lao PDR; northern Sumatra, Kalimantan, Maluku, and Papua in Indonesia; Sabah and Sarawak Malaysia; Myanmar; the Philippines; and Viet Nam. As of reporting, an area of convection (INVEST 96W) has persisted near 5.7N 162.2E, approximately 530 km east-southeast of Pohnpei. INVEST 96W is forecasted to tracks north-northwest and has a LOW chance of developing into a significant tropical cyclone in the next 24 hours ([JTWC](#)).

GEOPHYSICAL:

Seven (7) significant earthquakes (M_{2.5}0) were recorded by [Indonesia's BMKG](#), [PHIVOLCS](#), and Myanmar's Department of Meteorology and Hydrology ([DMH](#)). Mount Semeru (alert level III) and Dukono (alert level II) in Indonesia, and Mayon (alert level 3), Taal (alert level 1), and Kanlaon (alert level 1) in the Philippines reported recent volcanic activity according to [Indonesia's 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 predicted over the parts of the equatorial region, including the northwestern Maritime Continent, northern Borneo and the southern Philippines; drier conditions are predicted over most of the southern Maritime Continent; warmer conditions is predicted over much of Mainland Southeast Asia and over parts of the equatorial region. For the regional assessment of extremes, there is a small increase in chance in the parts of the Philippines, and northern Sumatra, and a moderate increase in chance in the parts of Malay Peninsula, and parts of northern Borneo for a very heavy rainfall event; a moderate increase in chance for extreme hot conditions to occur in Northern Philippines, Lao PDR, parts of southern Myanmar, parts of southern Borneo, western Java, and southern Sumatra. El Niño conditions are predicted to strengthen over the next few months. At the seasonal timescale during September to November, El Niño events bring drier conditions to much of the ASEAN region.