



ONE ASEAN
ONE RESPONSE

WEEKLY DISASTER UPDATE

Week 22
29 May – 4 June 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;

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.

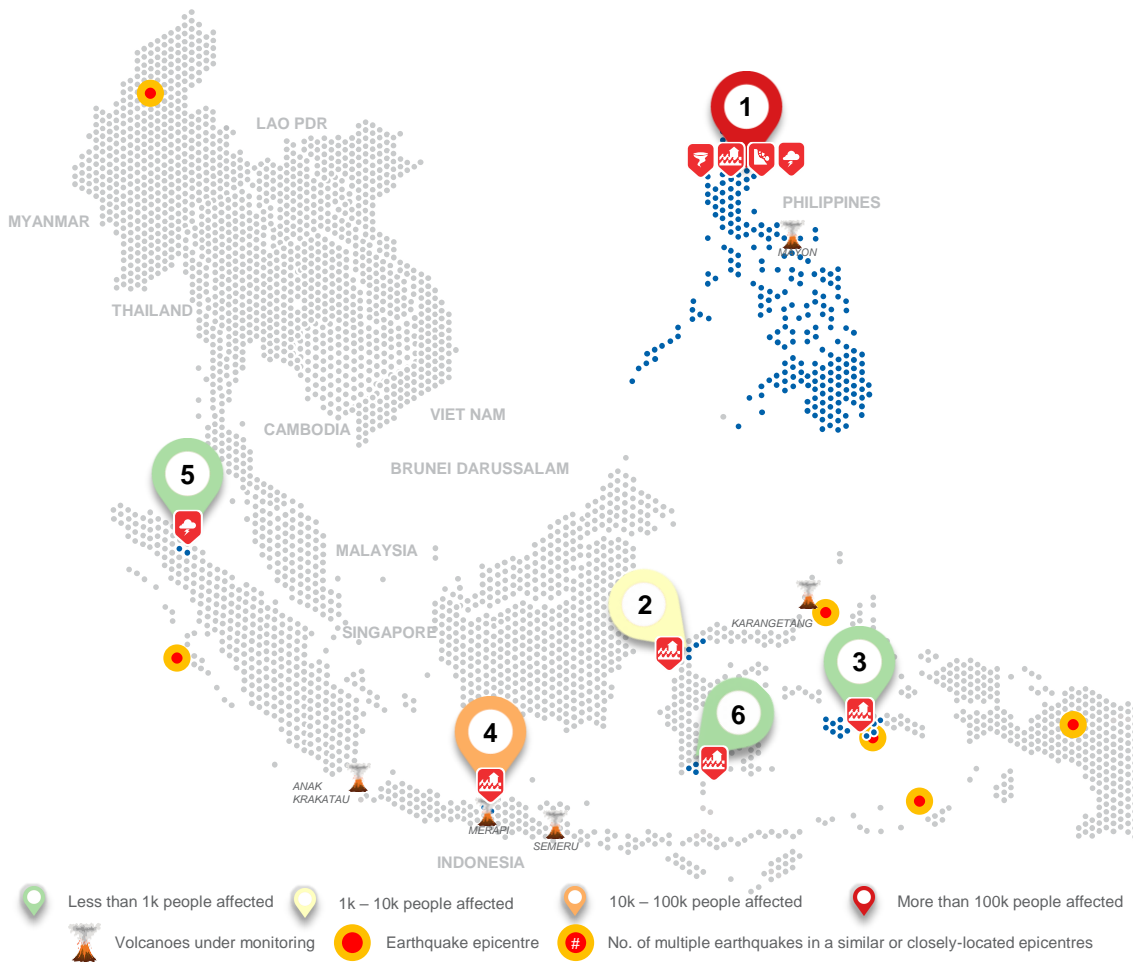
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REGIONAL TALLY



01 Philippines, Flooding, Landslides, Storms, and Winds in Region 1, 2, 3, MIMAROPA, 6, and CAR (TC MAWAR and Southwest Monsoon) from week 21
27 May 2023

02 Indonesia, Flooding in Parigi Moutong (Central Sulawesi)
2 June 2023

03 Indonesia, Flooding in South Buru, Buru, and Ambon City (Maluku)
31, 31, 31 May 2023

04 Indonesia, Flooding in Demak (Central Java)
31 May 2023

05 Indonesia, Storms in Deli Serdang (North Sumatra)
31 May 2023

06 Flooding in Sinjai (South Sulawesi)
4 June 2023

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:

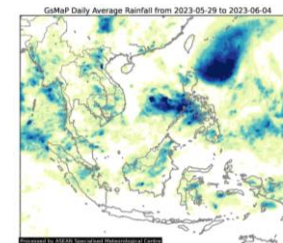
For the twenty-second week of 2023, a total of 7 disasters (floods and storms) affected the region. Indonesia has reportedly been affected. *Badan Nasional Penanggulangan Bencana (BNPB)* of Indonesia reported floods and storms in Central Java, Maluku, South and Central Sulawesi, and North Sumatra. Meanwhile, on 31 May 2023, Department of Meteorology and Hydrology (*DMH*) Myanmar reported M5.9 Earthquake at about 35 km northwest of Hopin with a depth of 10 km. According to the *ASEAN DMRS*, this is a moderate earthquake, but it is very shallow, based on the preliminary data, earthquakes of this depth and magnitude are expected to result in moderate to severe shaking within 80.0 km from the epicentre. It is estimated that 461,464 people and 104,878 households are concentrated within this radius. Media sources also reported that the M5.9 earthquake caused damage to some buildings in Kachin State, while there were no reports of any casualties.

HIGHLIGHT:

As of 5 May, at 0700 HRS UTC+7, *NDRRMC* reported that the impact of TC MAWAR and Southwest Monsoon in the Philippines has reached 1 dead, 1 injured, 27.1K families (104K persons) affected, and 1.5K persons displaced (1K persons inside 40 evacuation centres and 370 outside). Reports of damages include 56 roads, 4 bridges, and 102 houses (91 partially, 11 totally). A total of 200K USD worth of assistance has been provided by the affected community by OCD, DSWD, LGUs, and other partners.

Meanwhile, from the previous week in Indonesia, according to the *BNPB*, heavy rainfall has resulted in flooding events in Parigi Moutong, Central Sulawesi. Based on the report, a total of 7.2K persons were affected and at least 91 persons are displaced, and the flooding has also caused one (1) death, and damaged 1.8K houses, 6 educational facilities, 3 bridges, 5 worship places, and more than 500 ha agricultural areas. As of reporting, local disaster management 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 medium to high 7-day average rainfall spreading across Kalimantan in Indonesia; and Visayas and Luzon of the Philippines. An area of convection, referred to INVEST 98W was located approximately 1,000 km east of Samar, the Philippines. Global models are in agreement that INVEST 98W will gradually intensify as it tracks generally poleward to northward over the next 2 days. The potential for the development of a significant tropical cyclone within the next 24 hours is HIGH (*JTWC*).

GEOPHYSICAL:

Six (6) significant earthquakes (M_{2.0}) were recorded by Indonesia's Badan Meteorologi, Klimatologi, dan Geofisika (*BMKG*) and Myanmar's Department of Meteorology and Hydrology (*DMH*). Mount Semeru (alert level III), Ili Lewotolok (alert level II), and Ibu (alert level III) in Indonesia, and Taal (alert level 1), Mayon Volcano (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 Philippine Institute of Volcanology and Seismology (*PHIVOLCS*).

OUTLOOK:

According to the ASEAN Specialised Meteorological Centre (*ASMC*), for the coming week, wetter conditions are over parts of central Mainland Southeast Asia and the Philippines. Warmer than usual temperatures are expected over much of the southern ASEAN region. For the regional assessment of extremes, there is a small increase in chance for a very heavy rainfall event to occur in the parts of central and southern Myanmar, western Thailand, northern Philippines; and moderate increase in chance for extreme hot conditions to occur in the parts of the western Maritime Continent.