

Week
39

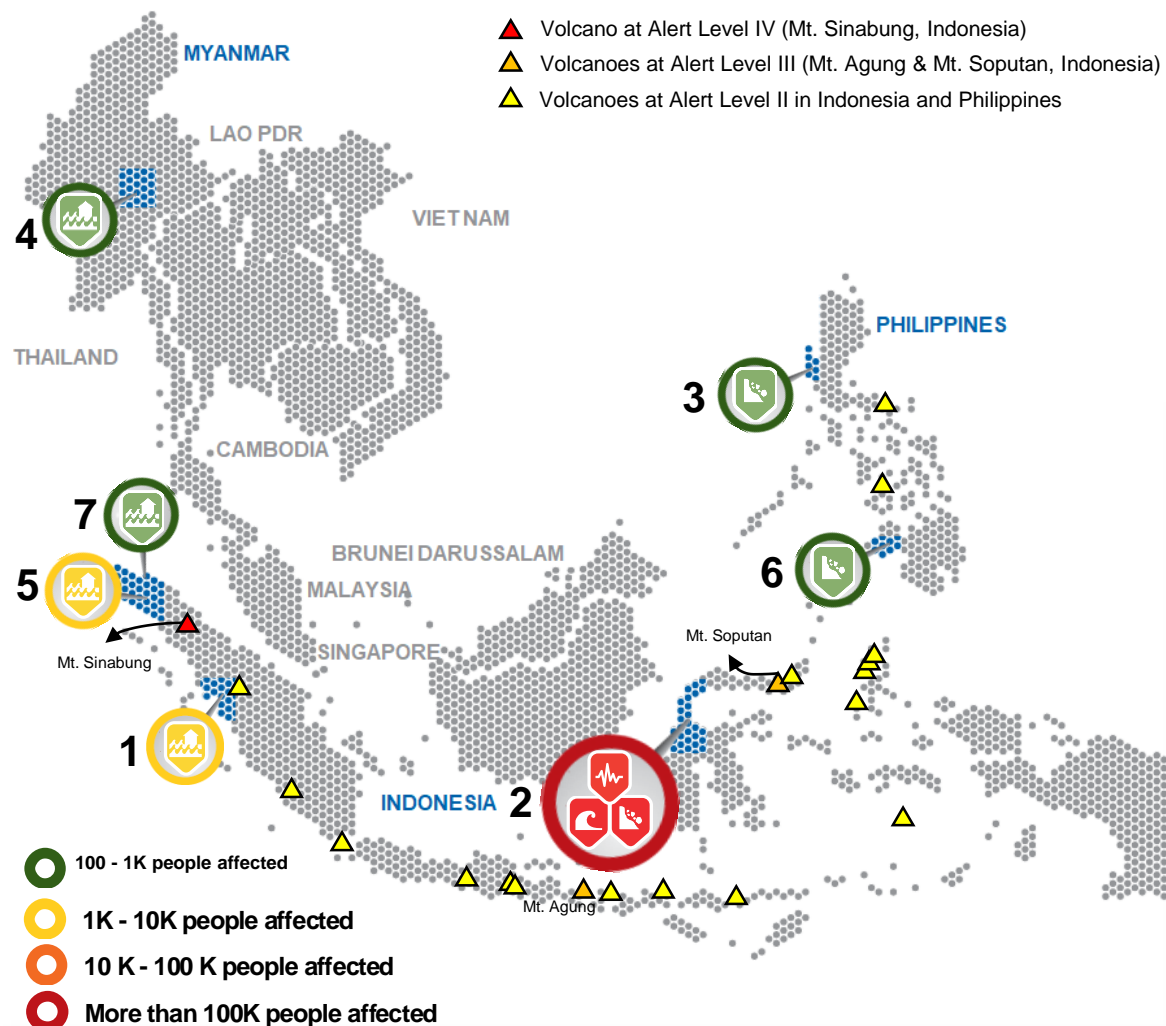
Week
40

WEEKLY DISASTER UPDATE

24 September – 7 October 2018



ONE ASEAN ONE RESPONSE



| S/N | Date | Country, Disaster Log and Key Updates |
|-----|--------------|---|
| 1 | 26 Sept 2018 | Indonesia, Flood in Padang city http://adinet.ahacentre.org/reports/view/1320 |
| 2 | 28 Sept 2018 | Indonesia, M 7.4 Central Sulawesi Earthquake, Tsunami, Landslide, Liquefaction http://adinet.ahacentre.org/reports/view/1319 |
| 3 | 29 Sept 2018 | Philippines, Landslide in Pangansinan http://adinet.ahacentre.org/reports/view/1323 |
| 4 | 2 Oct 2018 | Myanmar, Flood in Taunggyi Township http://adinet.ahacentre.org/reports/view/1318 |
| 5 | 3 Oct 2018 | Indonesia, Flood in West Aceh & Southwest Aceh Regency http://adinet.ahacentre.org/reports/view/1322 |
| 6 | 6 Oct 2018 | Philippines, Landslide in Zamboanga Del Sur http://adinet.ahacentre.org/reports/view/1324 |
| 7 | 8 Oct 2018 | Indonesia, Flash Flood in North Aceh Regency http://adinet.ahacentre.org/reports/view/1321 |

Regional Summary of Week 39, 40, and Outlook for Week 41

- 1) In Week 39 and 40, minor-to-moderate floods and landslides were reported in Indonesia, Myanmar, and Philippines; aside from a M 7.4 Central Sulawesi Earthquake on 28 Sept 2018 that followed by a near-field tsunami, landslides, and liquefaction, which caused major casualties, damages, and limit access to humanitarian operations. See AHA Centre's situation updates for details.
- 2) AHA Centre is engaging in emergency response to the M 7.4 Central Sulawesi Earthquake following the welcome of international assistance by Government of Indonesia. ASEAN-ERAT is on the ground to support government-led response and DELSA stockpiles are being mobilised. Follow our regular updates here: <https://ahacentre.org/indonesia-central-sulawesi-m-7-4-earthquake-and-tsunami-updates/>
- 3) Weather condition was rather normal the past two weeks, with localised storms in Singapore, Malaysia, and Viet Nam ([DMRS](#)).
- 4) In Week 40, there were increased activities in Mt. Soputan (North Sulawesi), Mt. Anak Krakatoa (Sunda Strait) and Mt. Gamalama (North Maluku) ([BG-PVMBG](#)). BG-PVMBG elevated Alert Level of Mt. Soputan from Alert II to III as of 4 Oct, thus Permanent danger zone was set for 4 km radius from the tip of volcano, with extension up to 6.5 km towards southwest direction. Mt. Sinabung remains at Alert Level IV and Mt. Agung at Alert Level III. To date, there is no major risk to operations in Central Sulawesi. There is no change to status of volcanoes in Philippines ([PHIVOLCS](#)).
- 5) AHA Centre also monitored series of moderate earthquakes (around M 5) across West Nusa Tenggara (NTB) and East Nusa Tenggara (NTT) of Indonesia ([BMKG](#)) and Philippines ([PHIVOLCS](#)).
- 6) ASEAN Specialised Meteorological Centre ([ASMC](#)) released the updated seasonal forecast for October-December 2018, see page 2 for forecast in October 2018.
- 7) Aside from Central Sulawesi Earthquake & Tsunami, all the remaining disasters occurred in Week 39 and 40 were within the capacity of each Member State.

REGIONAL TALLY

Affected population: **2,471,043*** # Affected families: **67,335*** # Displaced population: **62,701***

*AHA Centre's estimation based on total number of deaths, injuries and IDPs reported/confirmed by National Disaster Management Offices (NDMOs) of each ASEAN Member State and other verified sources.

DATA SOURCE

Detailed information of each disaster and emergency situation are available at: <http://adinet.ahacentre.org/reports>
AHA Centre - Disaster Monitoring & Response System (DMRS); Pacific Disaster Center (PDC Global); ASEAN Specialised Meteorological Center (ASMC); Indonesia: BNPB, BPBDs of affected municipalities, BMKG, BPS, PVMBG-ESDM; Philippines: NDRRMC, DSWD, PAGASA, PHIVOLCS; Myanmar: DMH, DDM
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 humanitarian assistance.

This update consists of significant natural disaster events that occur in ASEAN Member States, including 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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Our mailing address is:
AHA Centre,
GRAHA BNPB 13th Floor,
Jl. Raya Pramuka Kav. 38,
Jakarta 13120 Indonesia

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40

WEEKLY DISASTER UPDATE

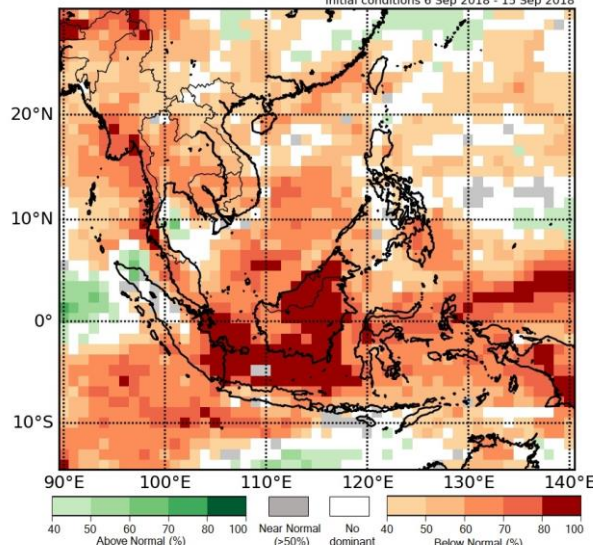
24 September – 7 October 2018



ONE ASEAN ONE RESPONSE

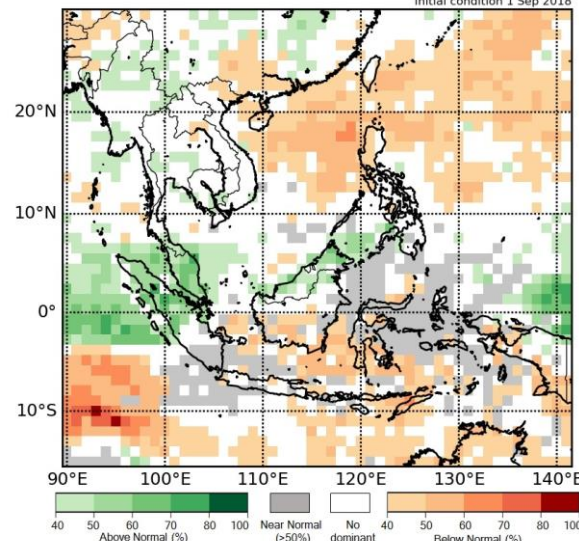
October 2018 Rainfall (tercile summary), NCEP

Initial conditions 6 Sep 2018 - 15 Sep 2018



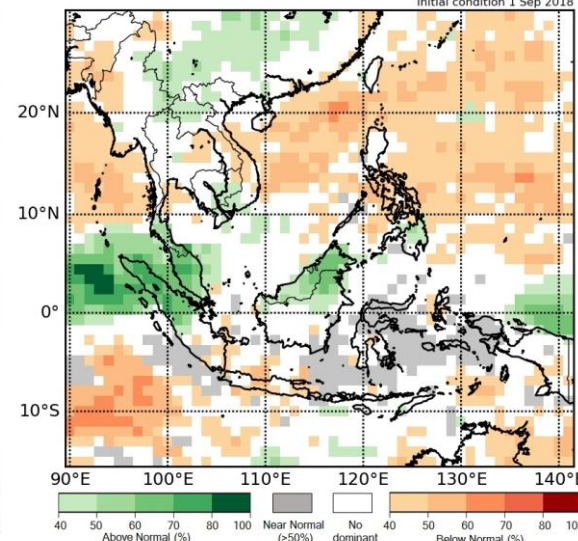
October 2018 Rainfall (tercile summary), ECMWF

Initial condition 1 Sep 2018



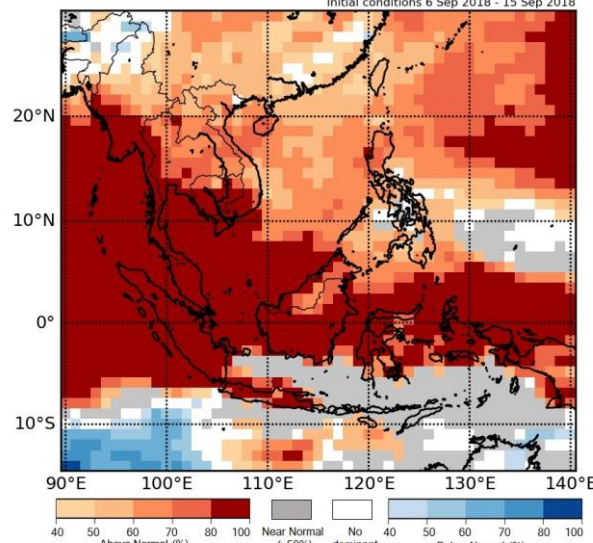
October 2018 Rainfall (tercile summary), Met Office

Initial condition 1 Sep 2018



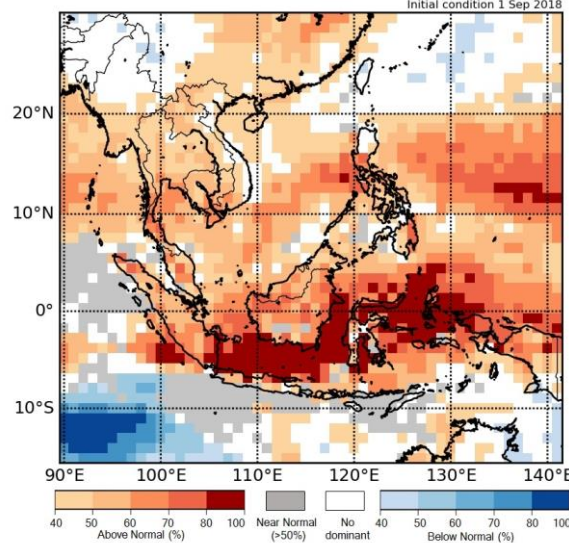
October 2018 Temperature (tercile summary), NCEP

Initial conditions 6 Sep 2018 - 15 Sep 2018



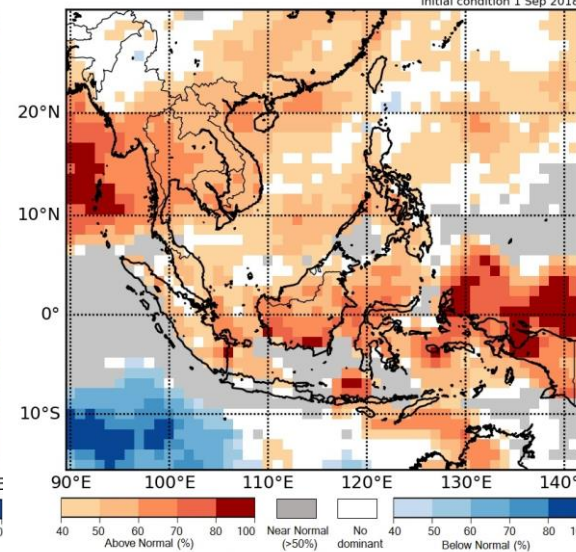
October 2018 Temperature (tercile summary), ECMWF

Initial condition 1 Sep 2018



October 2018 Temperature (tercile summary), Met Office

Initial condition 1 Sep 2018



October 2018 Outlook

Rainfall (above figures)

For October's rainfall, all three models – NCEP CFSv2, ECMWF, and the UK Met Office (left to right figures on top row) predict below-normal to near-normal conditions over much of the Maritime Continent (around southern Sumatra, Kalimantan, Java, Sulawesi, Papua, and the Philippines). The spatial extent and magnitude of the likelihood for below-normal to near-normal conditions differ across the different models. In particular, for NCEP CFSv2, the likelihood for below-normal rainfall is higher than ECMWF or the UK Met Office.

In the near equatorial parts of the ASEAN region from 0°N to 10°N (Peninsular Malaysia and northern Borneo), above-normal rainfall is favoured by both the ECMWF and UK Met Office models while NCEP model expects a below-normal rainfall outlook.

However, it should be noted the models' skill is generally poor for this region at this time of the year.

Temperature (below figures)

All three models – NCEP CFSv2, ECMWF, and UK Met Office (left to right figures on bottom row) provide consistent outlook for above-normal temperature conditions over most parts of the ASEAN region, except for northern Myanmar where there is no dominant tercile. The spatial extent and magnitude of the likelihood for above-normal temperature conditions differ across the different models. In particular over the equatorial region, the likelihood for above-normal temperature is higher for NCEP CFSv2 than the ECMWF or the UK Met Office models.

Disclaimer: [See ASMC page](#) for details and sub-seasonal forecast. The qualitative outlook is assessed for the region in general. For specific updates on the national scale, the relevant ASEAN National Meteorological and Hydrological Services should be consulted. More outlook and verification plots, including for tercile and quintile probabilistic forecasts for temperature, are in the "Model products and verification: [NCEP](#), [ECMWF](#), [UK Met Office](#)" on the SEA-RCC Network LRF Node webpages.

DATA SOURCE

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