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Department of Environment and Natural Resources

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MEMORANDUM

FOR/TO : All Heads of Attached Agencies

The OIC Assistant Secretary for Climate Change
and Director BMB, in Concurrent Capacity

The Directors
EMB, MGB, FMB, LMB, ERDB

All Regional Executive Directors

FROM : The Undersecretary
Policy, Planning and International Affairs

SUBJECT : WEATHER FORECAST FOR SOUTHEAST ASIA
IN OCTOBER -DECEMBER 2020

DATE : October 19, 2020

May we refer, a copy of the email dated 13 October 2020 sent by Aida Hayati Mohd Hassan, Peatland Programme - Global Environment Centre based in Malaysia, sharing a Seasonal Forecast for the ASEAN Region for October - December 2020. The weather forecast is derived from the information provided by the APEC Climate Center and ASMC.

The weather forecast and outlook every two weeks is also available on ASEAN Specialised Meteorological Centre Website (<http://asmc.asean.org/subseasonal-weather-outlook-5-18-october-2020/>).

For your information and reference.


ATTY. JONAS R. LEONES

MEMO NO. 2020-523

Weather forecast for Southeast Asia in October-December 2020

Aida Hayati Mohd Hassan <aidahayati@gec.org.my>
Reply-To: aidahayati@gec.org.my
To: Aida Hayati Mohd Hassan <aidahayati@gec.org.my>

Tue, Oct 13, 2020 at 6:15 PM

Dear Partners,

We would like to share with you a Seasonal Forecast for the ASEAN Region for October-December 2020. The weather forecast are derived from information provided by APEC Climate Center and ASMC.

Every fortnight weather forecast and outlook is also available on ASEAN Specialised Meteorological Centre website (<http://asmc.asean.org/subseasonal-weather-outlook-5-18-october-2020/>)

Other relevant links are listed in the attached papers too.

We hope this information is useful for reference in undertaking necessary precaution actions and preventive measures for fire risk.

Thank you.

Best regards,

Aida Hayati Hassan

Peatland Programme

Global Environment Centre

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 [apcc_southeast_asia_anomaly_oct-dec-2020_v20201013.pdf](#)
1248K

SEASONAL WEATHER AND FIRE RISK FORECAST FOR ASEAN REGION OCTOBER – DECEMBER 2020

The latest ENSO outlook suggests a 93% probability of La Niña with weak intensity during October – December 2020 and a 58% probability for the same conditions during January – March 2021. Above normal precipitation is predicted for the Philippine Seas and South China Sea for October to December 2020.

Southwest Monsoon conditions are expected to persist in October 2020 before gradually transitioning into the inter-monsoon period in the latter part of the month. Inter-monsoon conditions are characterised by light and variable winds, with rainy conditions over most of the ASEAN region. The inter-monsoon period typically lasts for about a month before the onset of Northeast Monsoon conditions. During Northeast Monsoon conditions, the northern ASEAN region enters its traditional dry season while the southern ASEAN region experiences increased rainfall.

For the October to December period, models predict above-normal rainfall over south of the equator, the Philippines and coastal regions of Viet Nam. La Niña conditions have developed over the tropical Pacific Ocean and most climate models predict La Niña conditions, which typically bring wetter-than-normal conditions over the Southeast Asia region, to persist for October-December 2020.

Warmer-than-normal temperature is expected in the southern ASEAN region and Myanmar for the next three months. However, parts of Viet Nam, Lao PDR, Cambodia and Thailand may experience below-normal to near-normal temperatures.

For October and November, hotspot activities in the ASEAN region are expected to remain generally subdued due to rainy weather, although isolated hotspots may be detected in some areas during brief periods of drier weather. In December 2020, a gradual increase in hotspot activities may be expected in the northern ASEAN region especially in northern Myanmar as it enters traditional dry season with the onset of Northeast Monsoon.

The figures on the following pages show anomalies for precipitation and temperature for ASEAN for October till December 2020 as issued on 21 September 2020 by the APEC Climate Center (APCC¹). For rainfall brown means less than normal and green more than normal. For temperature red is higher than normal.

Other information on weather conditions, hotspot, haze and fire danger rating can be found on the following links:

ASEAN Haze Action Online (<http://haze.asean.org/>)

Hotspot and haze information at ASEAN Specialised Meteorological Centre (<http://asmc.asean.org/home/>)

Information on Fire Danger Rating System (FDRS) at Malaysian Meteorological Department (<http://www.met.gov.my/iklim/fdrs/afdrs?lang=en>)

Information by Badan Meteorologi, Klimatologi dan Geofisika of Indonesia on FDRS (<https://www.bmkg.go.id/cuaca/kebakaran-hutan.bmkg>)

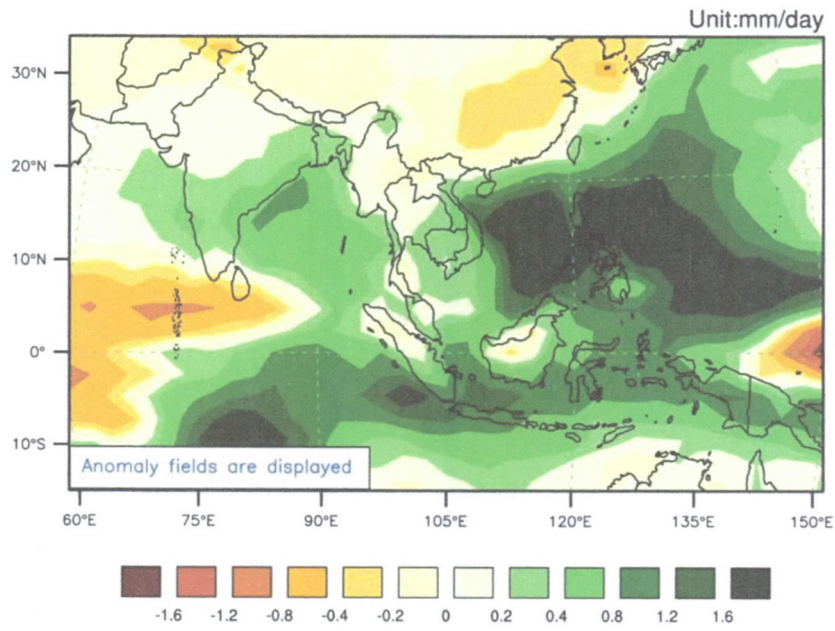
Hotspot information (adjustable confidence levels for hotspots) by Lembaga Penerbangan dan Antariksa Nasional (LAPAN) of Indonesia (<http://lowres-catalog.lapan.go.id/monitoring/>)

Information on FDRS for Northern Southeast Asia by Department of National Parks, Wildlife and Plant Conservation of Thailand (<http://www2.dnp.go.th/gis/FDRS/FDRS.php>)

Subscription to ASEAN Fire Alert Tool (<https://www.aseanfirealert.org/>) to manage land parcels of which information on FDRS and hotspot will be delivered daily to smartphone of subscribers

¹ Information mainly from APEC Climate Center (<https://www.apcc21.org/main.do?lang=en>)

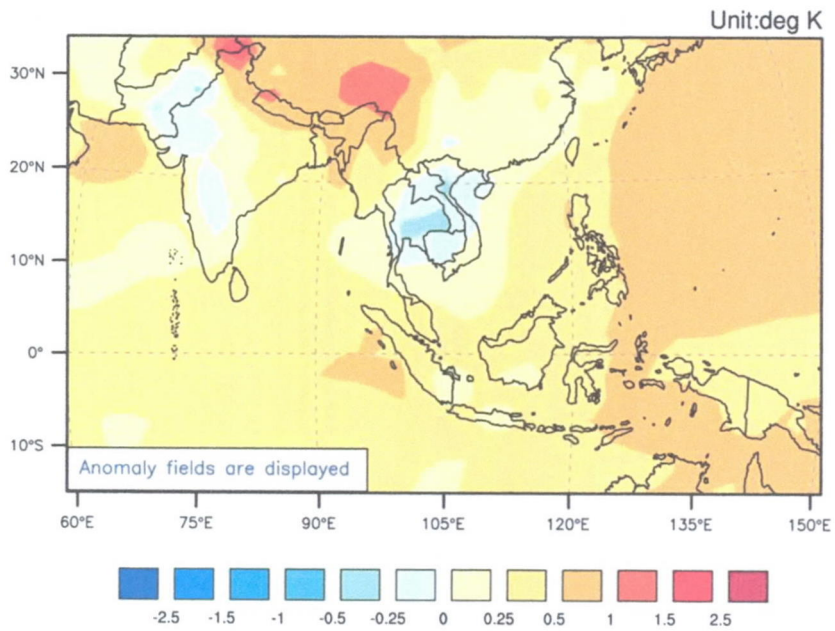
Precipitation for October-December 2020



Issued: 21 Sep, 2020

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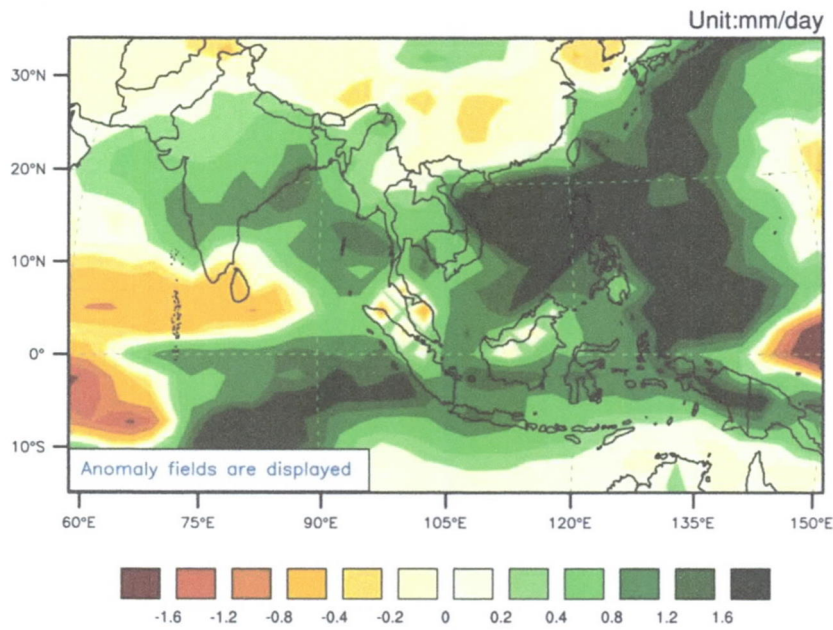
Temperature at 2m for October-December 2020



Issued: 21 Sep, 2020

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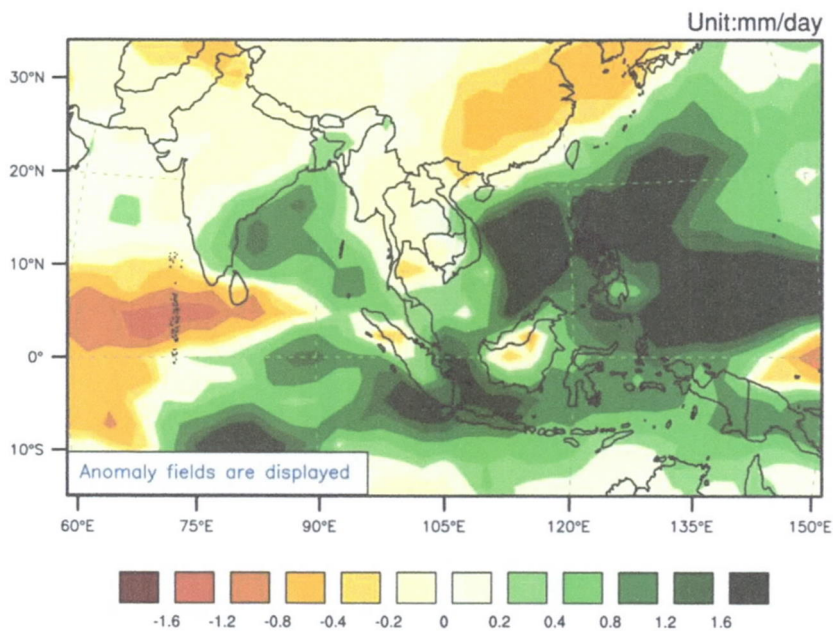
Precipitation for OCT 2020



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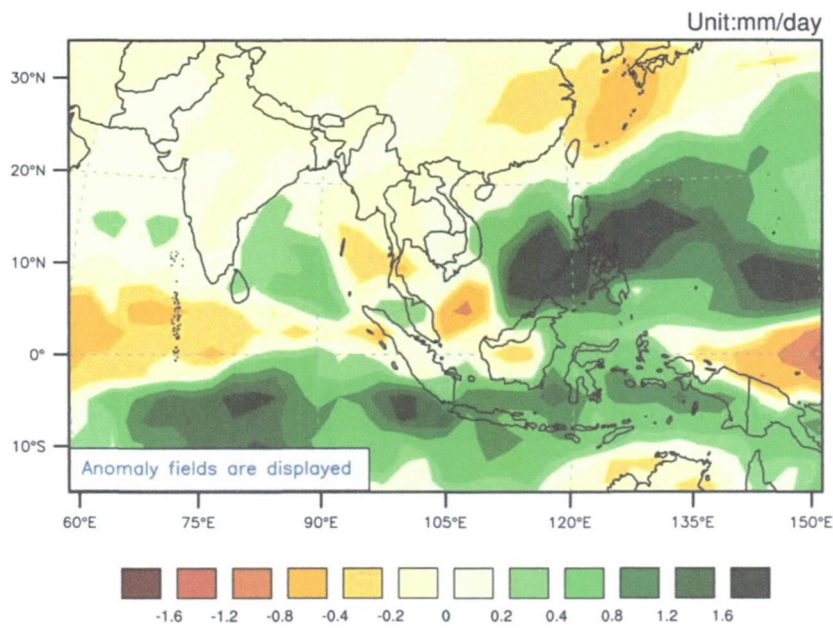
Precipitation for NOV 2020



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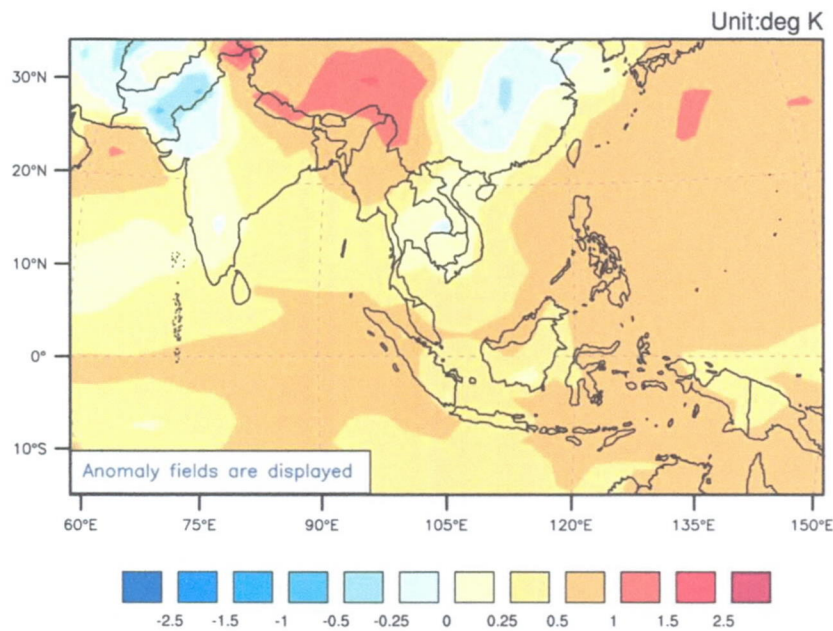
Precipitation for DEC 2020



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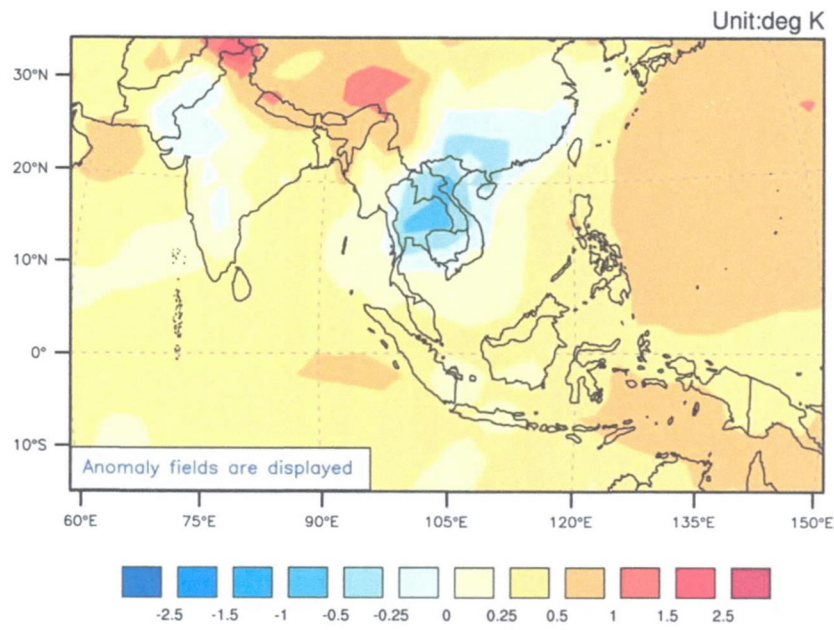
Temperature at 2m for OCT 2020



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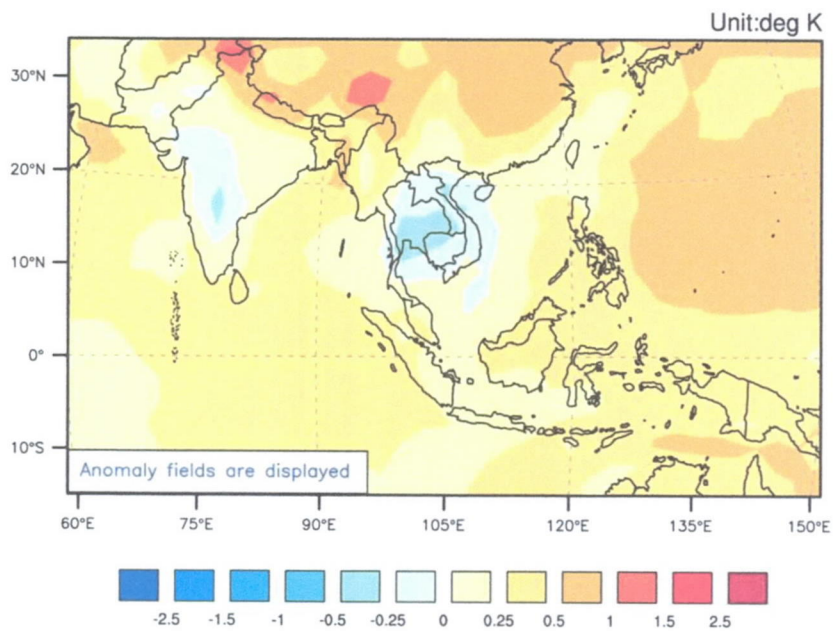
Temperature at 2m for NOV 2020



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Temperature at 2m for DEC 2020



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