CLIMATE BULLETIN FOR SEA

Climate Monitoring Node – WMO-RCC-SEA – DOST-PAGASA **Issued: June 2024**

CLIMATE WATCH FOR RAINFALL DEFICIENCY – FINAL

Areas of Concern:
Java, Indonesia; Sabah, Malaysia and western-central and southern Philippines

Area of moderate rainfall deficiencies have been observed in some parts of Southeast Asia region, particularly over Java (Indonesia), Sabah (Malaysia) and western-central and southern Philippines. Some areas in Mainland and maritime SEA also recorded mild to moderate rainfall deficiencies, while most parts of the region received adequate rainfall for the month of May 2024.

Sea surface temperatures (SSTs) across the tropical Pacific are now at ENSO-neutral level during the month, with anomalies <0.5°C in the Niño 3.4 region for May 2024. Likewise, the SST anomalies in the western Pacific and over most of the Maritime Continent were near to slightly above average.

Neutral value of IOD was observed during the month, with SSTs over the western equatorial Indian Ocean only slightly warmer than the eastern equatorial Indian Ocean in May 2024.

A Madden–Julian Oscillation (MJO) signal was inactive over much of the first half of May. In the second part of May, an MJO signal emerged over the Indian Ocean which propagated eastwards towards the Maritime Continent. This is characterized by active convection and precipitation over most of the region towards the end of the month.

MAPS

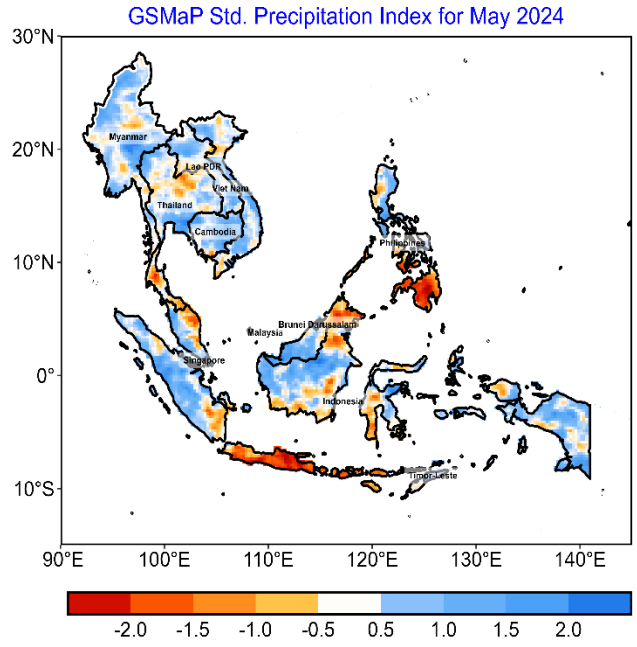

Figure 1: 1-month SPI for May 2024 (reference period, 1991-2020)

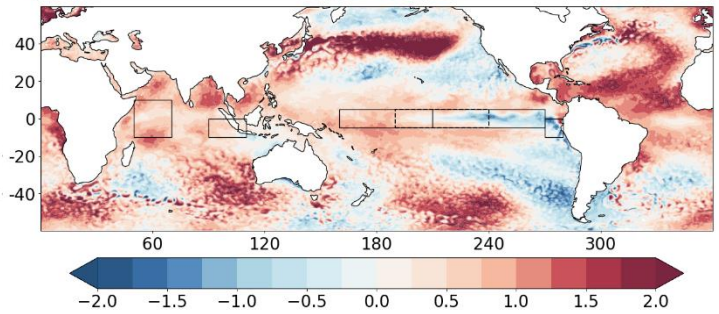

Figure 2: SSTA across the Pacific and Indian Ocean for May 2024 (reference period, 1991-2020)

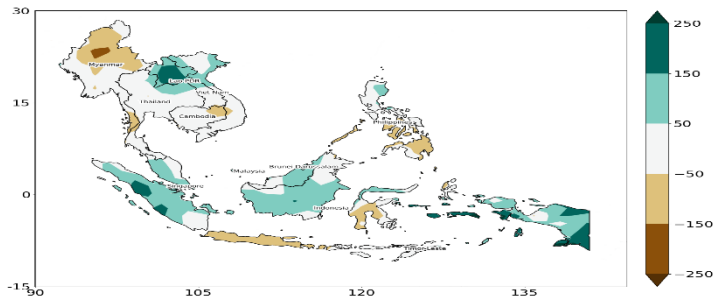

Figure 3: Rainfall Anomaly for May 2024 (reference period, 1991-2020)

Attachment:

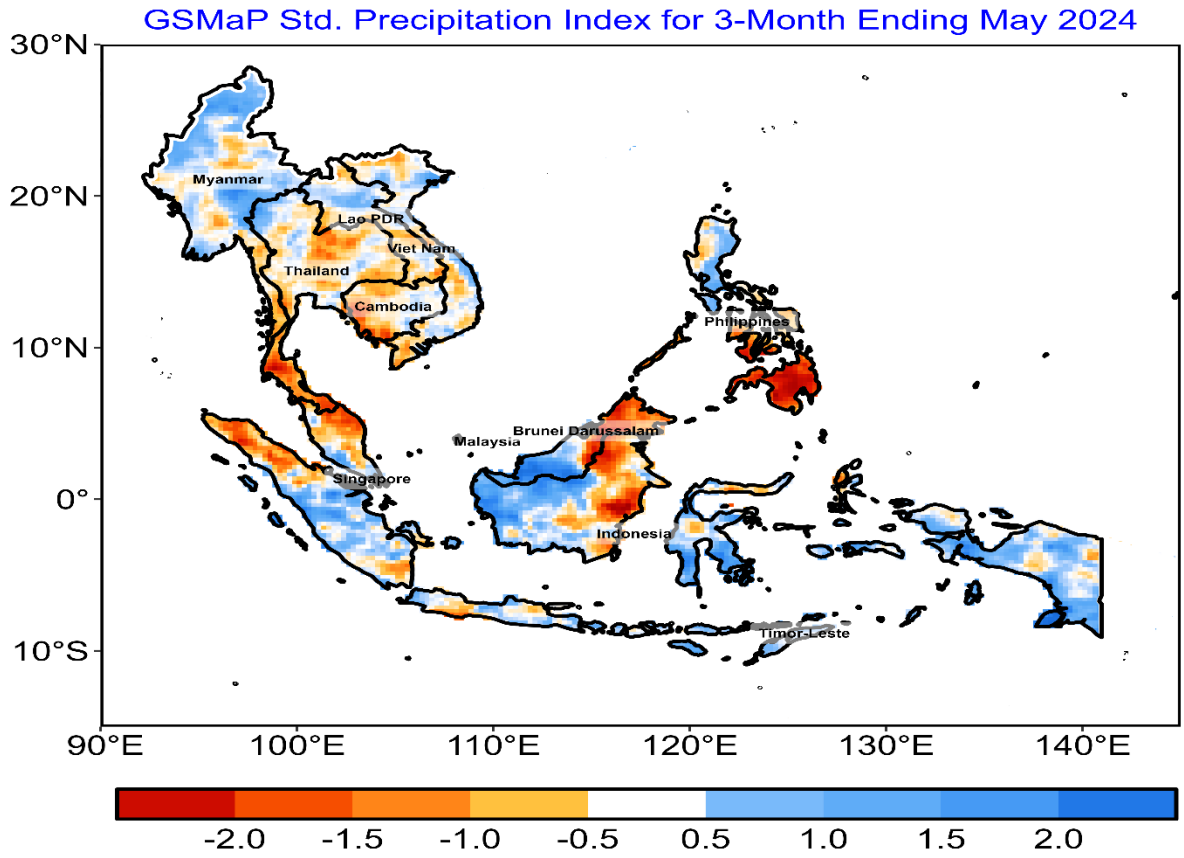

Figure 4: 3-month SPI for March - May 2024 (reference period, 1991-2020)

Table 1: McKee and others (1993) SPI value-classification table as recommended in World Meteorological Organization, 2012: Standardized Precipitation Index User Guide (M. Svoboda, M. Hayes and D. Wood). (WMO-No. 1090), Geneva.

Table 1. SPI values

2.0+	extremely wet
1.5 to 1.99	very wet
1.0 to 1.49	moderately wet
-.99 to .99	near normal
-1.0 to -1.49	moderately dry
-1.5 to -1.99	severely dry
-2 and less	extremely dry