



CLIMATE BULLETIN FOR SEA

Climate Monitoring Node – WMO-RCC-SEA – DOST-PAGASA

Issued: January 2024

CLIMATE WATCH FOR RAINFALL DEFICIENCY – EL NIÑO

Areas of Concern: Indonesia and Philippines

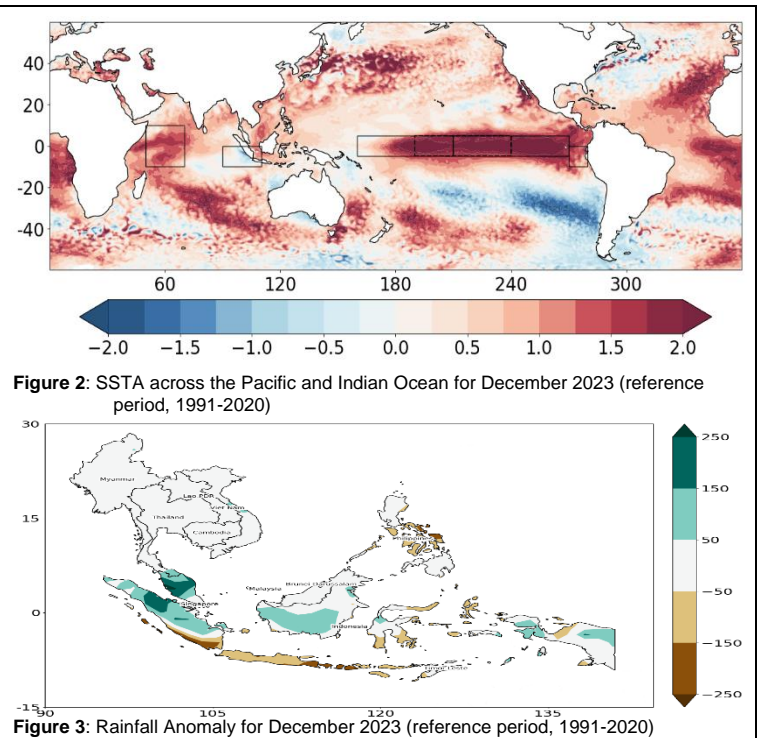
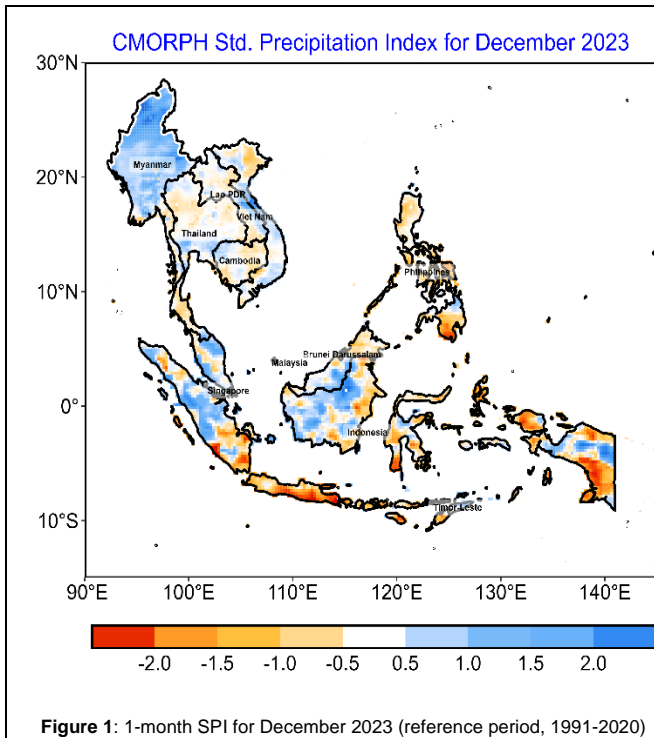
Area of *moderate* rainfall deficiencies have been observed in some parts of Southeast Asia region, particularly over eastern and southern areas of Indonesia, and north and central parts of the Philippines recorded *mild to moderate* rainfall deficiencies, while most of the other region received adequate rainfall for the month of December.

The warmer than average sea surface temperatures (SSTs) across the tropical Pacific prevailed during the month and continued to be strong (anomalies greater than 1.5°C) in most of the Niño regions. However, the SST anomalies in the western Pacific and over most of the maritime continent were near to above average while the southern and eastern part of Indonesia exhibited below average SST anomalies.

Positive IOD levels were still observed during the month. Warmer than average SSTs were observed over the western equatorial Indian Ocean while the eastern equatorial Indian Ocean remained to be cooler than average.

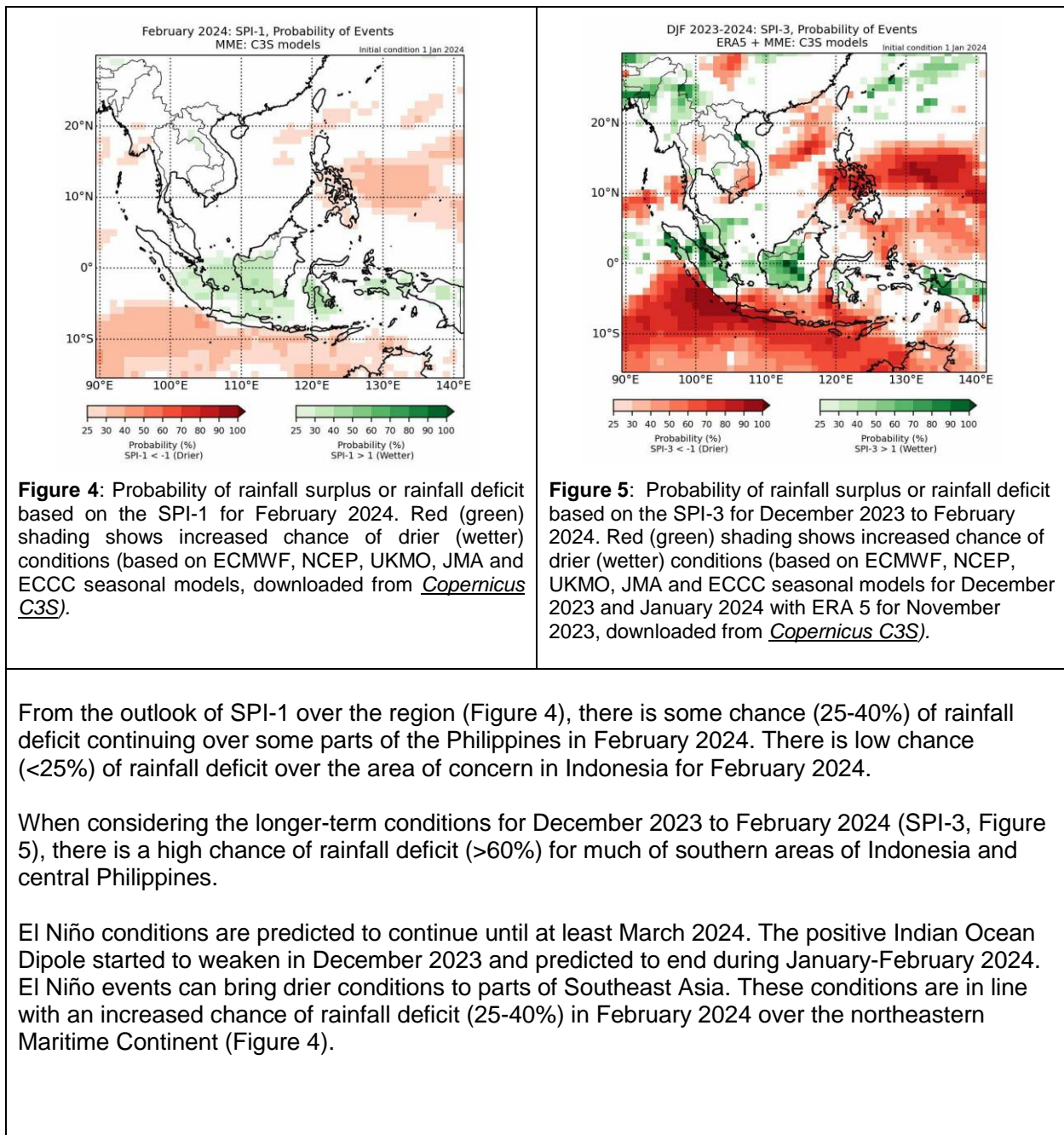
A Madden–Julian Oscillation (MJO) signal was present through most of December, with the active phase over the Maritime Continent near the start of the month, and over the Western Hemisphere (characterized by suppressed convection and precipitation for much of Southeast Asia) towards the end of the month.

MAPS





OUTLOOK:



Next issuance will be on February 2024.



Attachment:

GSMaP Std. Precipitation Index for 3-Month Ending December 2023

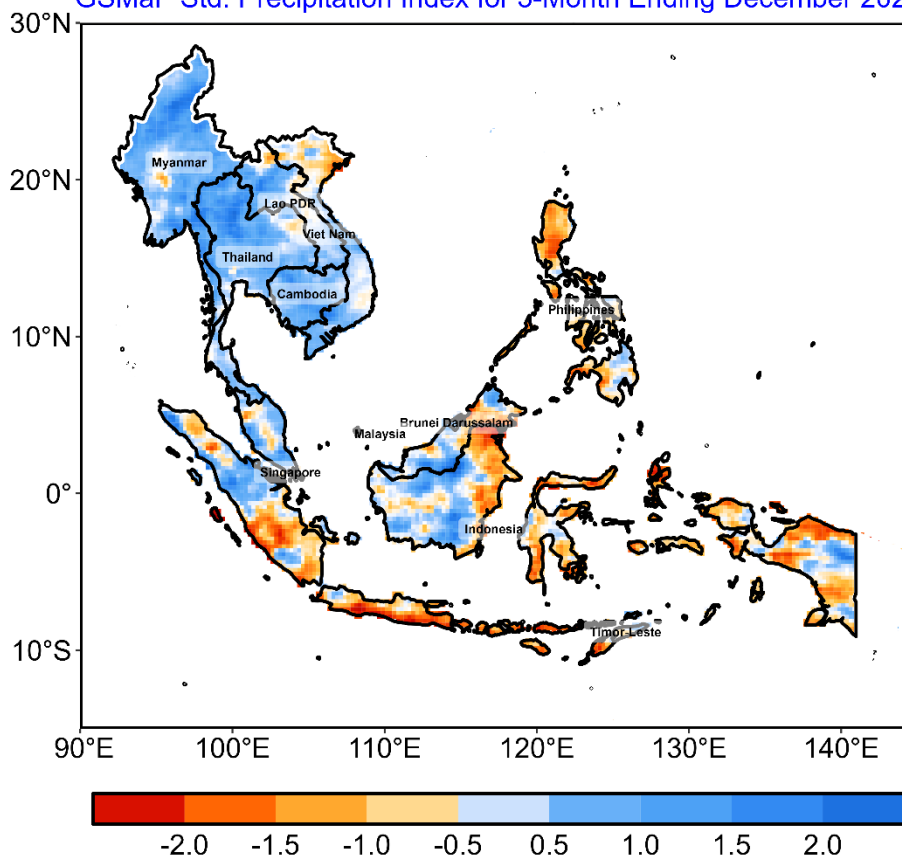


Figure 4: 3-month SPI for October - December 2023 (reference period, 1991-2020)

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