MONTHLY CLIMATE BULLETIN APRIL 2025

1. Introduction

This bulletin provides a synthesis of the prevailing climate conditions over Mahe, Praslin, and La Digue during April 2025. In contrast to March, which was characterized by generally wet conditions across the islands, April recorded a marked shift towards drier conditions throughout the region. El Niño Southern Oscillation (ENSO) neutral conditions continued during April 2025. Near average sea-surface-temperatures (SSTs) dominated across much of the equatorial Pacific Ocean. The Indian Ocean Dipole (IOD) remained in a neutral phase. Meanwhile, the MJO index was weak throughout the majority of April, but did propagate through phases 7-8 at the end of the month.

2. Monthly Rainfall Performance in April 2025

2.1 Distribution of Rainfall for April 2025

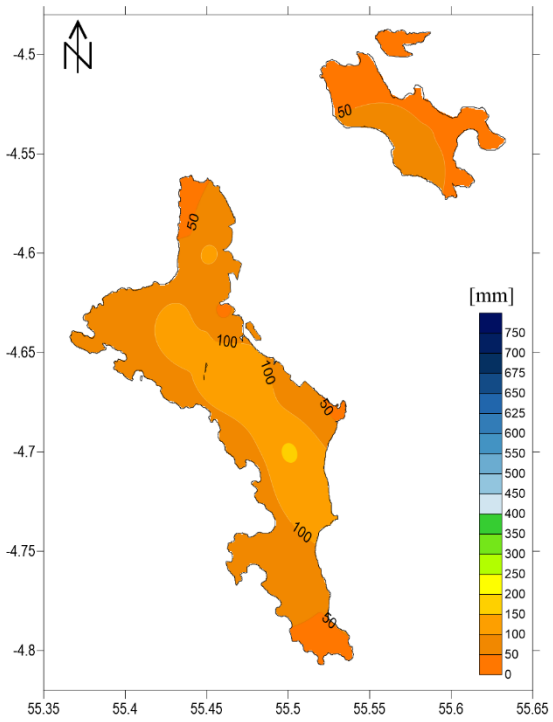


Figure 1: Monthly total rainfall in mm during April 2025

Figure 1 presents the spatial distribution of accumulated rainfall across Mahe and Praslin for April 2025.

Mean April-2025 rainfall over Mahe was approximately 85 mm, with the highest total measured at Prison–Montagne Posee (166.7 mm). Totals of 50–100 mm were observed across the northern and southern sectors, the western fringe, and much of the eastern fringe. Localised pockets in the extreme north, parts of the eastern interior, and the southern tip registered less than 50 mm.

On Praslin, the southern half similarly recorded 50–100 mm. The highest amount was recorded at Vallee de Mai Shelter (72.5 mm).

2.2 Monthly Rainfall Anomaly and Percentage of Mean Rainfall during April 2025

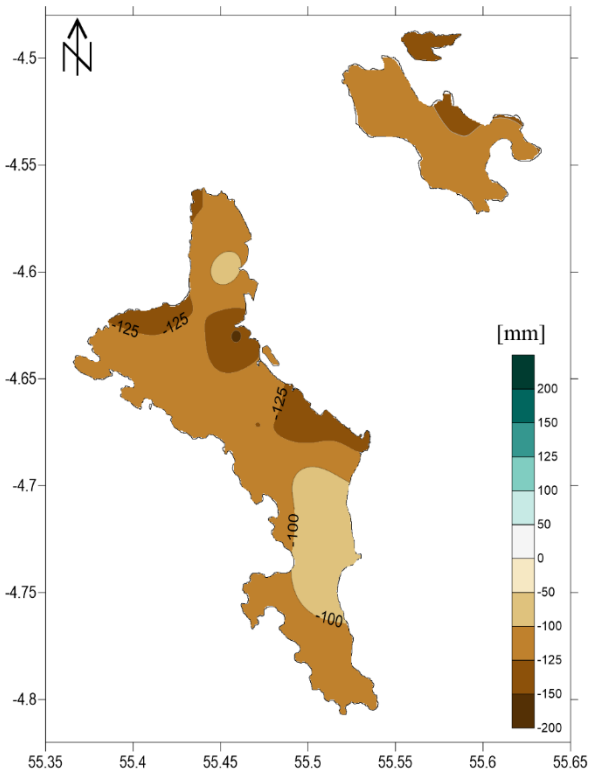


Figure 2: Monthly rainfall anomaly in mm during April 2025

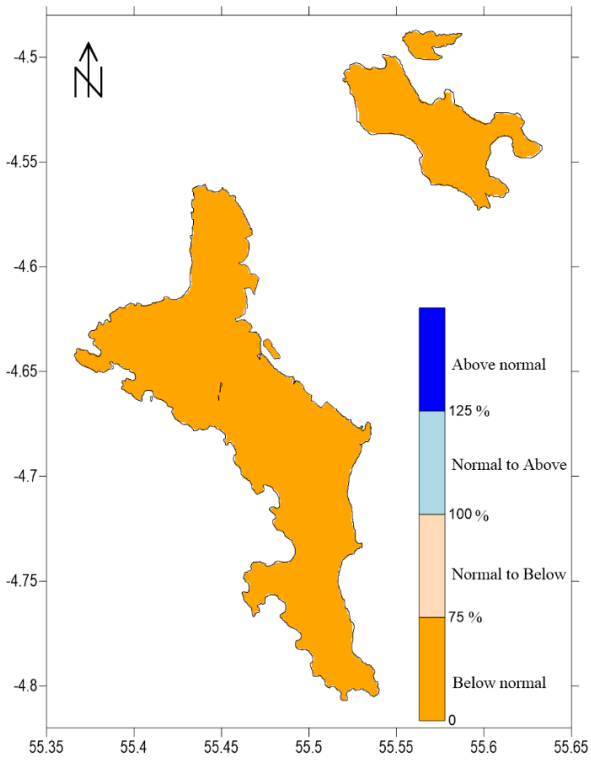


Figure 3: Percent of mean rainfall during April 2025

Figure 2 shows April 2025 rainfall anomalies for Mahe and Praslin. On Mahe, values are mainly negative, indicating drier-than-normal conditions. Deficits of −100 to −125 mm cover parts of the south, most of the west, and large areas of the north. Anomalies below −125 mm occur in small pockets of the west, at the north-west tip, and in parts of the east. Praslin and La Digue also record deficits, ranging from −100 to −140 mm.

Figure 3 and Figure 4 show that Mahe, Praslin and La Digue experienced below-normal rainfall during April 2025.

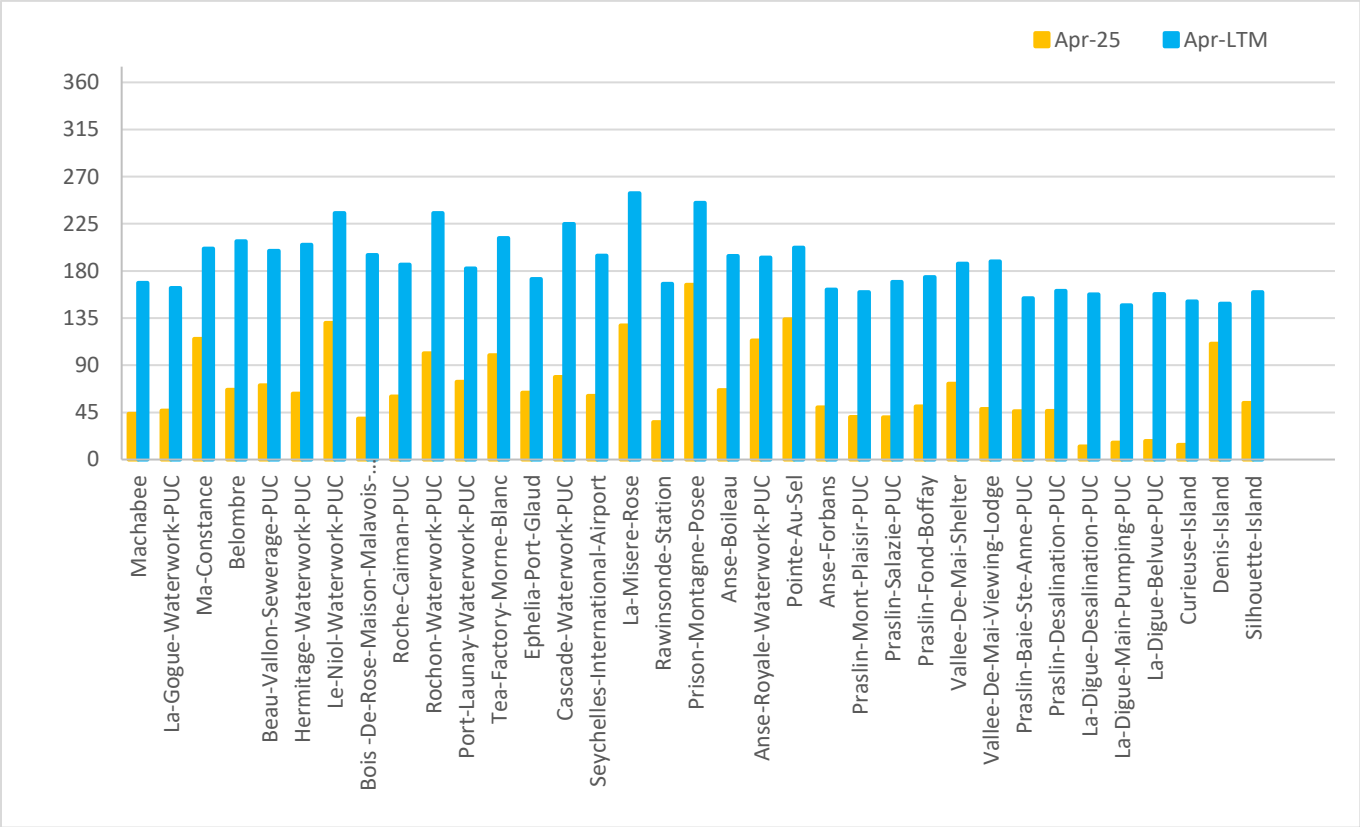


Figure 4: April 2025 rainfall total against March Long Term Mean (LTM) Monthly rainfall

3. April 2025 Mean temperature anomaly

The mean air temperature recorded at Seychelles International Airport in April 2025 was 29.1°C, reflecting a positive anomaly of +0.47°C relative to the 1991–2020 climatological average. This indicates slightly warmer-than-normal conditions during the month (Figure 5).

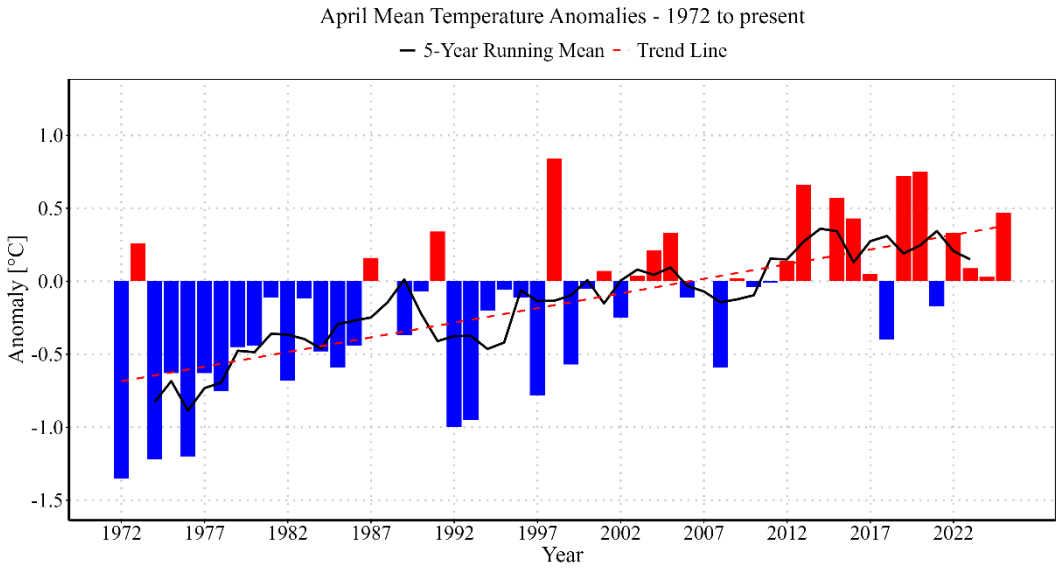


Figure 5: April 2025 mean temperature anomalies

4. Daily Weather for April 2025 at Seychelles International Airport

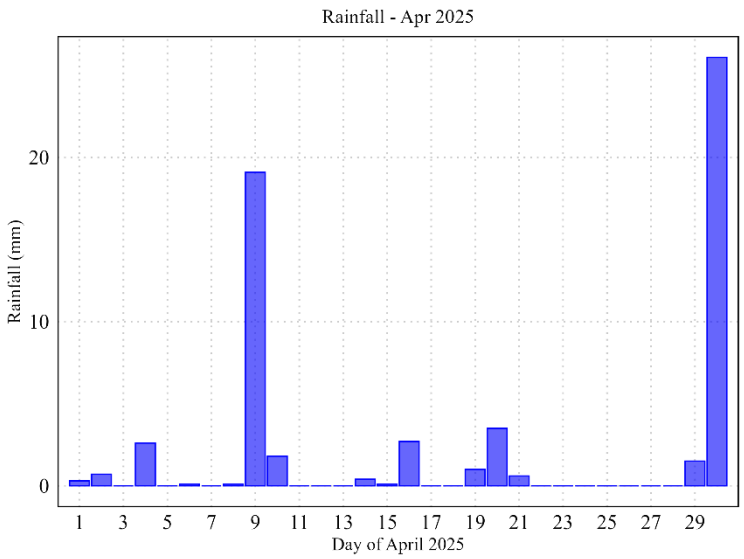
4.1. Daily rainfall, relative humidity, maximum and minimum temperature in April 2025

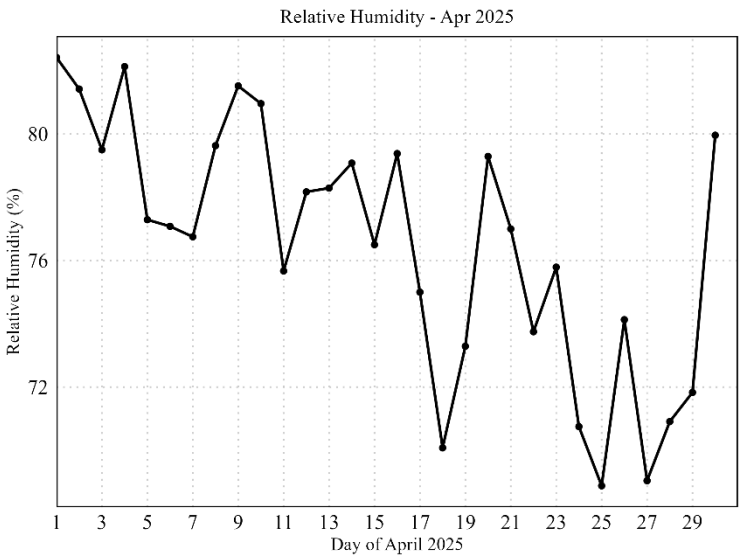
In April 2025, a total of 60.6 mm of rainfall was recorded at Seychelles International Airport, significantly below the long-term average of 196.3 mm for the same month. The highest daily rainfall occurred on 30 April, with 26.1 mm recorded. During the first ten days of the month (1–10 April), 24.7 mm of rainfall was observed. The second ten-day period (11–20 April) received only 7.7 mm, while the final third of the month (21–30 April) accumulated 28.2 mm. Notably, five dry days were recorded during the second decade, including three consecutive dry days at the beginning of the period. The third decade was marked by a prolonged dry spell, with seven consecutive dry days.

Relative humidity ranged between 68.9% and 82.4%, with a monthly mean of 76.5%, slightly below the long-term average. A gradual decline in relative humidity was evident over the course of the month.

Maximum temperatures displayed a general increasing trend throughout April, peaking on the 25th and 26th with values of 33.4°C. The lowest maximum temperatures, 30.6°C, were recorded on the 3rd. and 4th. The monthly average maximum temperature was 32.1°C, which is 0.4°C above the climatological mean of 31.7°C for April.

Minimum temperatures ranged from 25.2°C to 28.2°C. The lowest minimum, 25.2°C, occurred on two consecutive days (25 and 26 April), while the highest was recorded on 13 April. The monthly average minimum temperature was 26.2°C, slightly above the long-term average for the period.





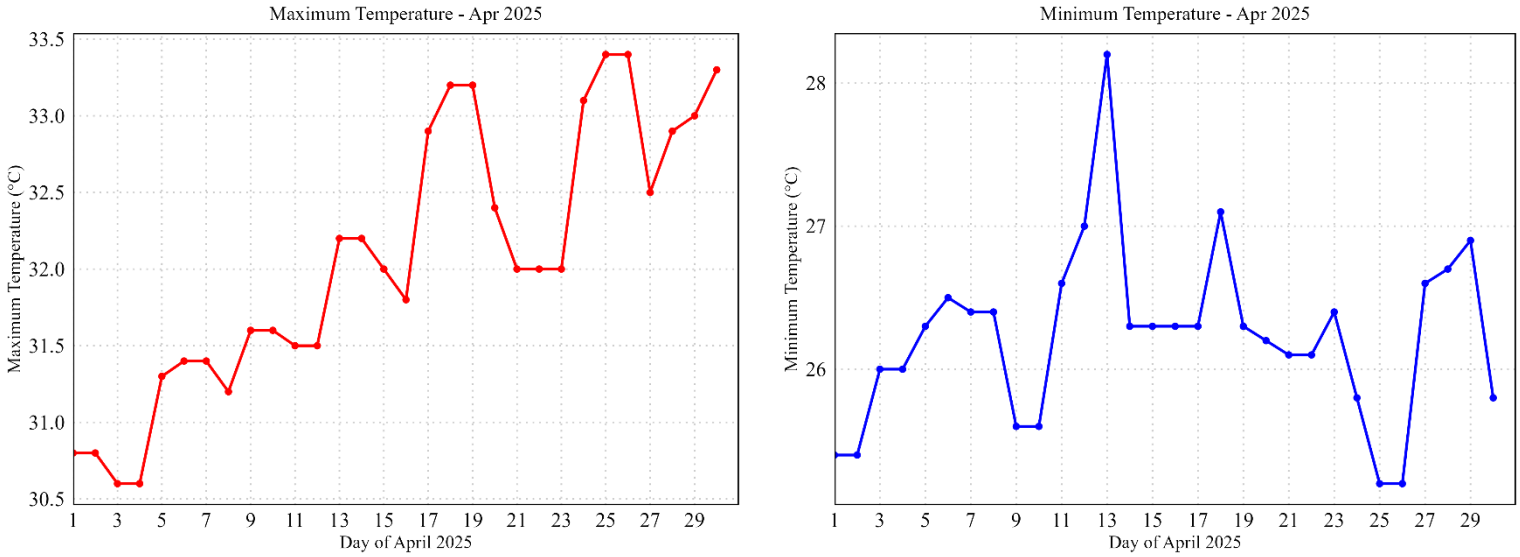


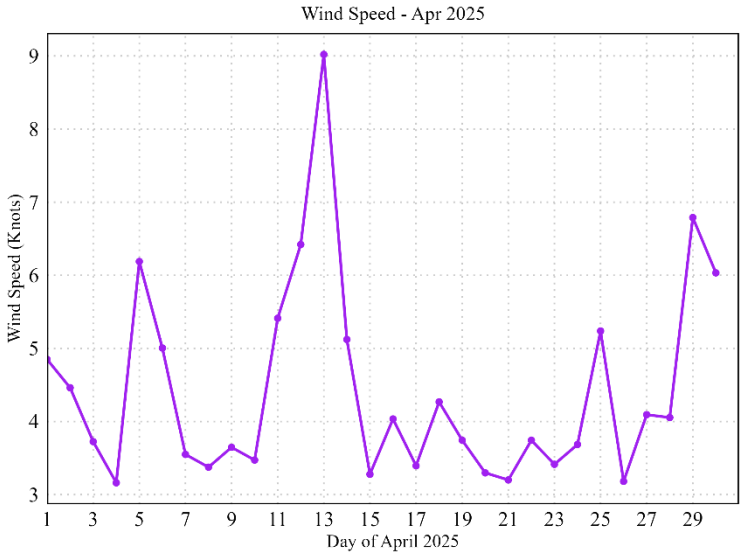
Figure 6: Daily Rainfall, Relative humidity, Maximum temperature, Minimum temperature in April 2025

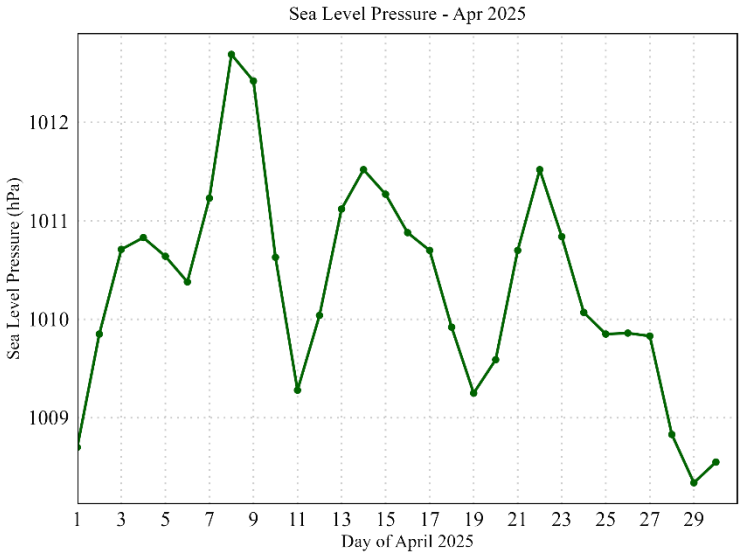
4.2. Daily Sunshine hours, Mean Sea level pressure and surface wind in April 2025

In April 2025, wind speeds at the airport station ranged from 3.1 to 9.0 knots. The monthly mean was 4.4 knots, slightly below the long-term average of 5.0 knots.

The mean sea-level pressure for the month averaged 1010.3 hPa.

The average daily sunshine duration was 9.7 hours. The shortest duration occurred on 2nd April, with only 4.1 hours of sunshine recorded. The final ten days of the month were notably sunny, with daily sunshine exceeding 10 hours. During this period, four consecutive days recorded a peak duration of 11.5 hours.





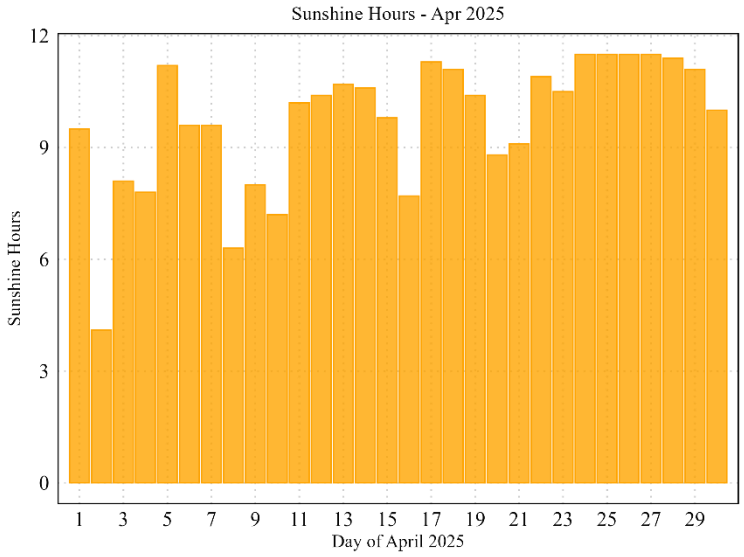


Figure 7: Daily Wind speed, Sea Level pressure, sunshine hours in April 2025

4.3.Wind Pattern in April 2025

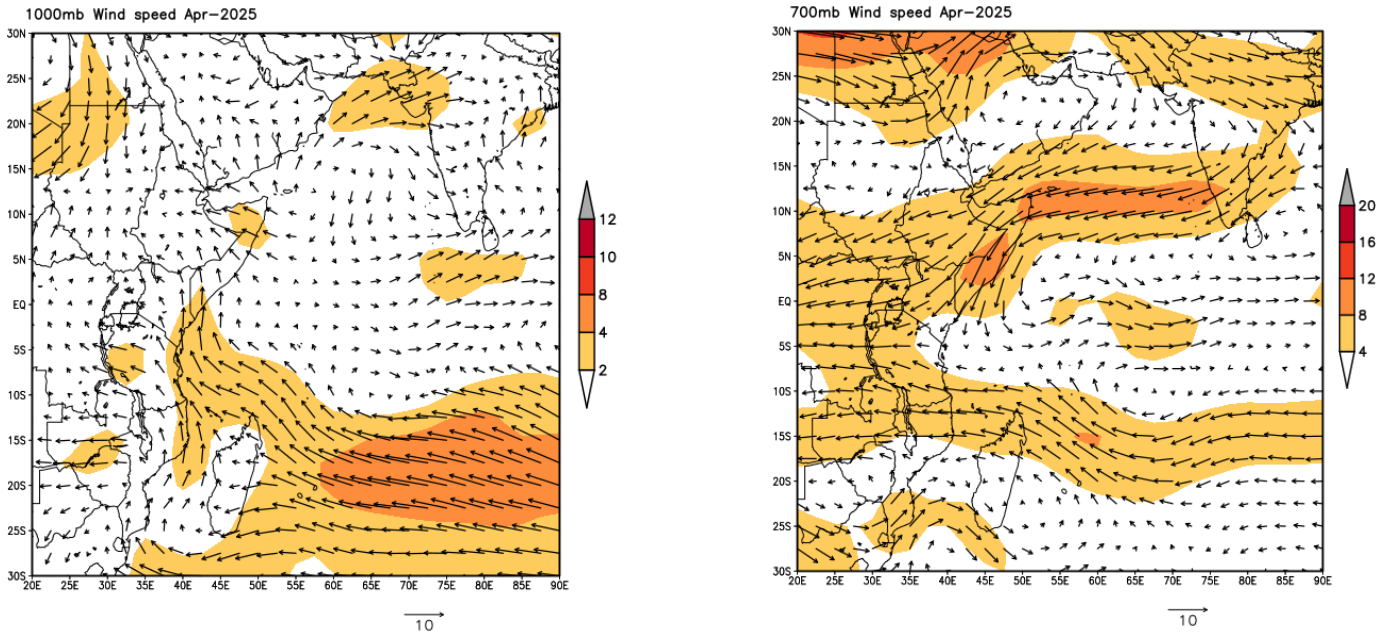


Figure 8: Surface wind flow (left) and wind flow at 700mb (right)

Figure 8 displays 1000 hPa wind vectors over the western Indian Ocean for April 2025. During this period, the basin depicts a Near Equatorial Trough (NET) pattern east of 60E, undulating slightly between 5 and 10S. Low-level flow across Mahe, Praslin and La Digue is south-easterly, with speeds typical of a light breeze. At 700 hPa, winds over the Mahe veer to a gentle westerly, averaging 2–4 m s^{-1}.

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