

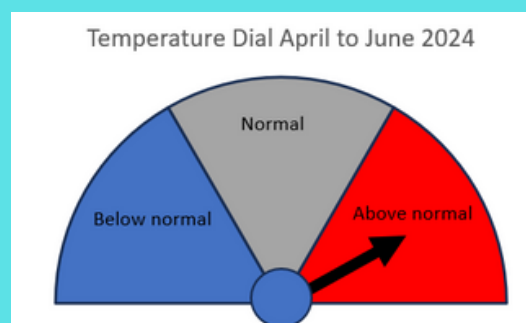
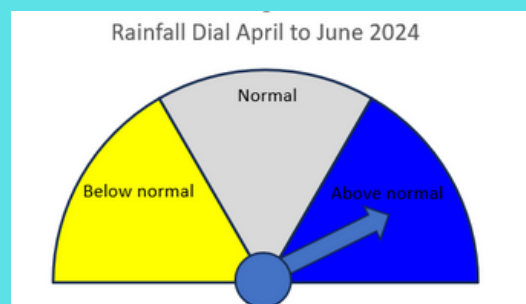
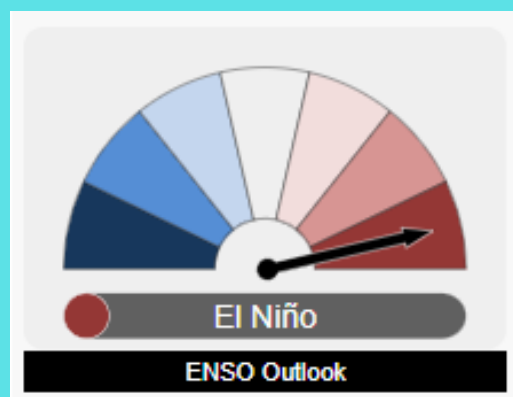
Issued: 5th April 2024

KIRIBATI CLIMATE OUTLOOK APRIL TO JUNE 2024



Summary

- The temperature in the tropical Pacific Ocean has been cooling since December 2023.
- The El Niño continues and anticipated to return to Neutral conditions by the end of April to May 2024.
- The Madden Julian Oscillation is expected to active (more rainfall) over the Pacific region including Kiribati in mid-April.
- Rainfall Outlook for April to June 2024 is likely to above normal for all islands of Kiribati.
- The forecast for air temperature from April to June 2024 is predicted to be above normal across the Kiribati Islands.

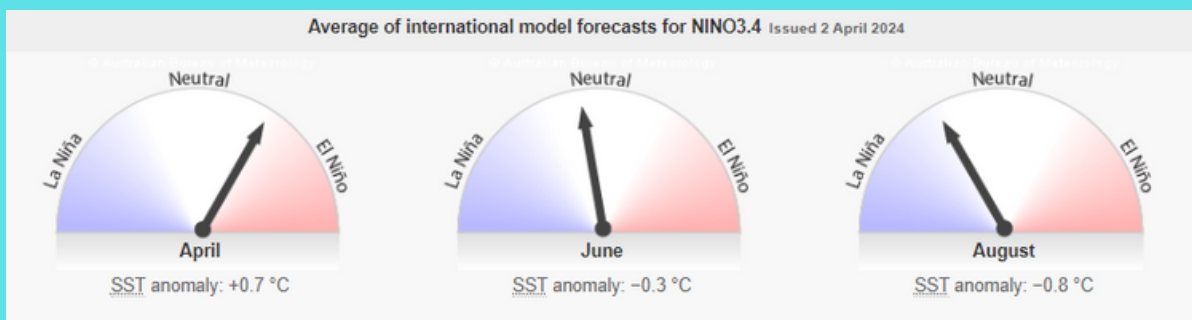


Climate Variability Update

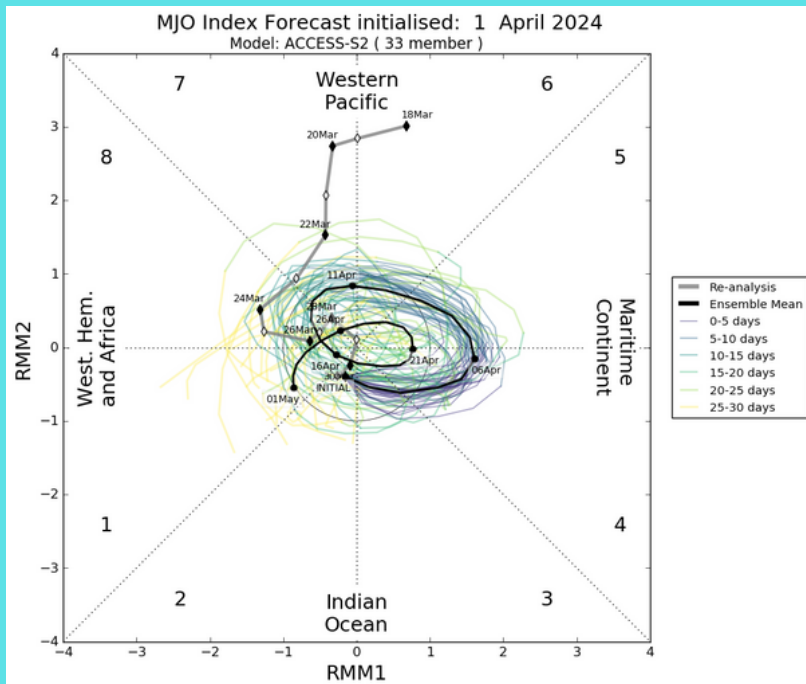
El Niño Southern Oscillation (ENSO)

El Niño persists in the tropical Pacific but it is near to its end. The sea surface temperatures in the central Pacific ocean remains cooling since the end of last year. Moreover, the atmospheric indicators also shows that the El Niño is weakening. Most models suggest that ENSO is likely to return to neutral levels by the end of this month April while others expect a neutral in May next month.

El Niño is associated with more rainfall, higher sea levels, westerly winds, and warmer ocean temperatures in Kiribati.



Source: BoM, Australia



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Madden Julian Oscillation (MJO)

The MJO is another climate driver that brings changes to rainfall pattern over the region for a short period of time, approximately 30 to 90 days.

The MJO is currently moved into the western Indian Ocean and has weakened. It is expected to move eastward over the Indian Ocean and Maritime Continent next week, reaching the Western Pacific (where Kiribati is located) by mid-April.

An active MJO over a region could bring more rainfall to the area.

Rainfall and Temperature Outlook April to June 2024.



Fig 1. The SCOPIC shows that all stations are still favoring above normal rainfall for April to June 2024.

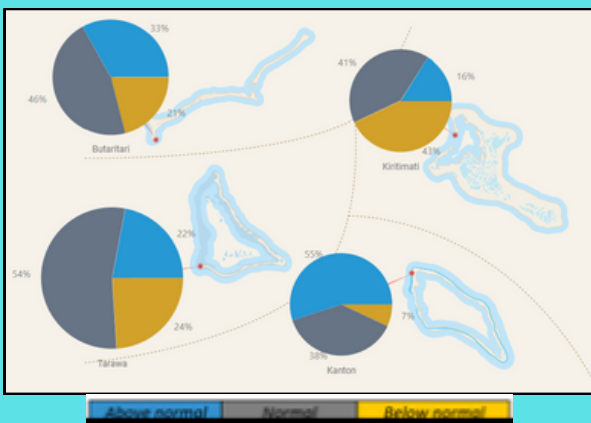


Fig 2. The PICASO shows that normal rainfall (grey) is likely for most of the Gilbert islands. Kanton is expected to be above normal however, Kiribati offers little guidance as the chances of normal and below normal rainfall are quite similar.

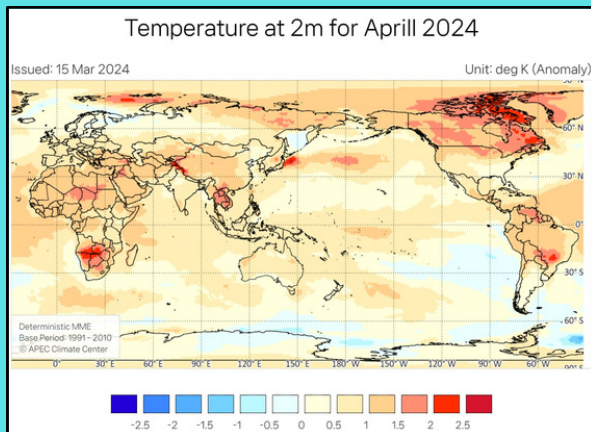


Fig 3. The surface air temperature for Kiribati is forecasted to increase by approximately 0.5 to 1.5 degrees Celsius compared to the normal value.

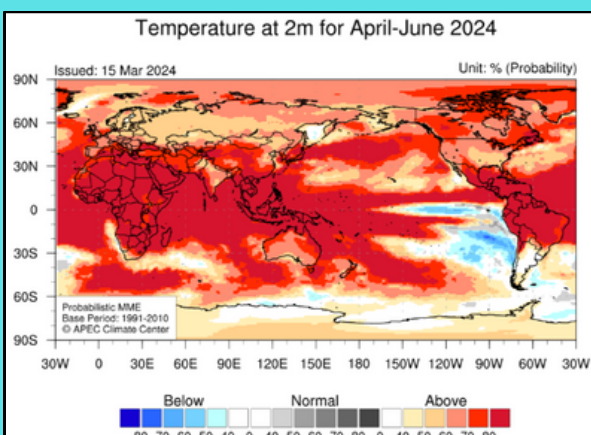


Fig 4. Kiribati's surface air temperature is likely to be above normal, with around 70% probability on a global scale.