



Kiribati Climate Outlook

February to April 2023

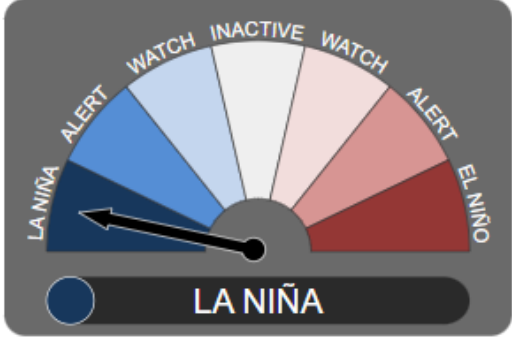
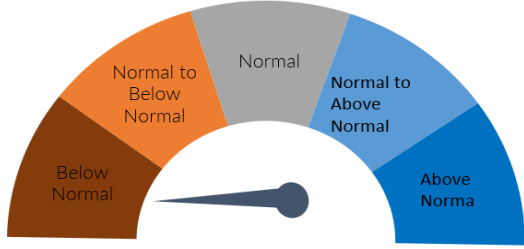
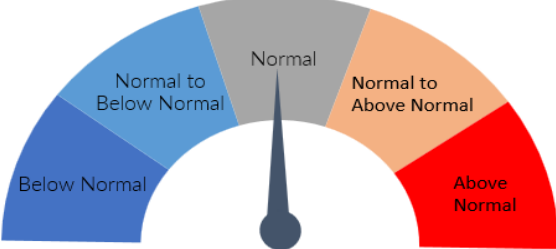
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Highlights

 <p>The gauge shows a semi-circular scale with segments labeled: LA NIÑA (dark blue), ALERT (medium blue), WATCH (light blue), INACTIVE (white), WATCH (light pink), ALERT (medium pink), and EL NIÑO (dark red). An arrow points to the LA NIÑA segment. Below the gauge is a small blue circle and the text 'LA NIÑA'.</p>	<p>ENSO Outlook: The ENSO outlook remains in La Niña condition. It is expected to return to neutral (neither La Niña nor El Niño) during March to May.</p>
 <p>The gauge shows a semi-circular scale with segments labeled: Below Normal (dark blue), Normal to Below Normal (medium blue), Normal (grey), Normal to Above Normal (light blue), and Above Normal (dark blue). The needle points to the 'Below Normal' segment.</p>	<p>Rainfall Outlook: Below normal rainfall is expected for all Kiribati Islands except Tarawa which favours normal rainfall.</p>
 <p>The gauge shows a semi-circular scale with segments labeled: Below Normal (dark blue), Normal to Below Normal (medium blue), Normal (grey), Normal to Above Normal (light orange), and Above Normal (red). The needle points to the 'Normal' segment.</p>	<p>Air temperature Outlook: Normal air temperature is predicted for all the Kiribati groups.</p>

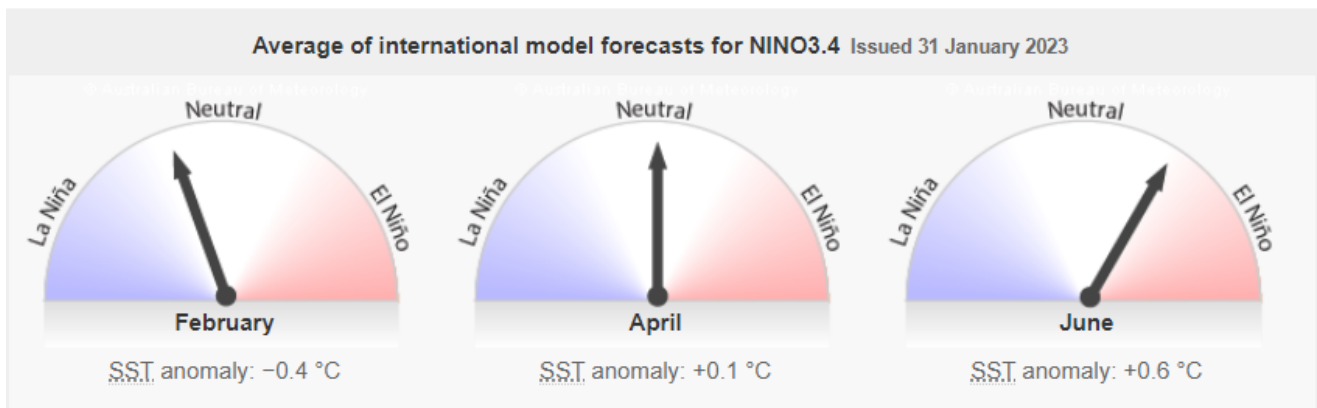
EL NINO SOUTHERN OSCILLATION (ENSO) UPDATE

The Bureau's ENSO Outlook remains at **La Niña** for the tropical Pacific. The Sea Surface Temperature (SST) have eased from **La Niña** thresholds however, the atmosphere has yet to respond and remains La Niña-like. **La Niña** events could bring less rainfall for all the Kiribati Islands.

The Madden-Julian Oscillation (MJO) is expected to move across the Maritime Continent and towards the western Pacific in the coming week, with a possible decline in strength.

Models predict that the Sea surface temperatures will return to **ENSO-neutral** levels during this month February, but neutral conditions (neither **La Niña** nor **El Niño**) anticipated from March to May.

ENSO MODEL OUTLOOK FROM FEBRUARY TO JUNE 2023



Source: BoM website

RAINFALL OUTLOOK

FORECAST 1 (SCOPIC MODEL) – FEBRUARY TO APRIL 2023

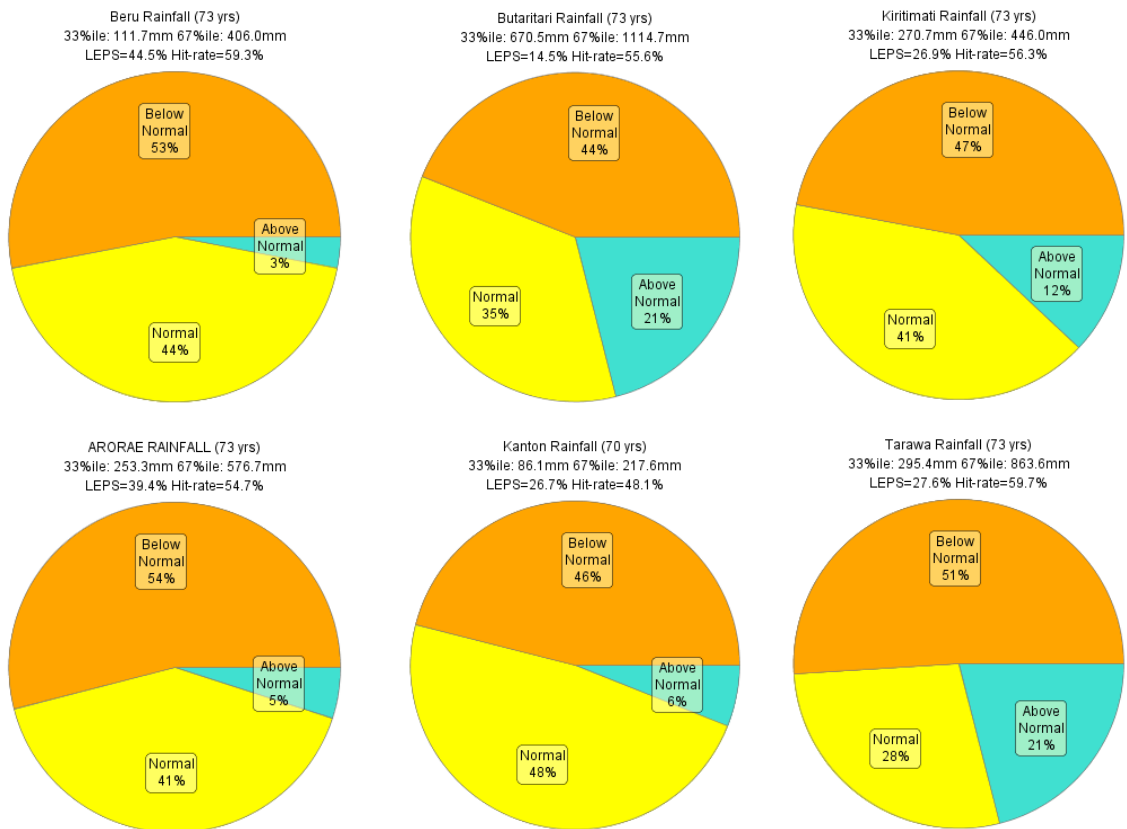


Figure 1: The pie charts given above show rainfall outlook for January to March 2023. Brown color represents below normal rainfall, yellow color is for normal rainfall and blue is above normal.

Seasonal Outlooks for February to April 2023:

- Below normal rainfall is the most likely outcome for most of the Islands.
- Kanton favors normal rainfall with below normal the next most likely.

AIR TEMPERATURE OUTLOOK

FORECAST 2 (PICASO MODEL) – FEBRUARY TO APRIL 2023

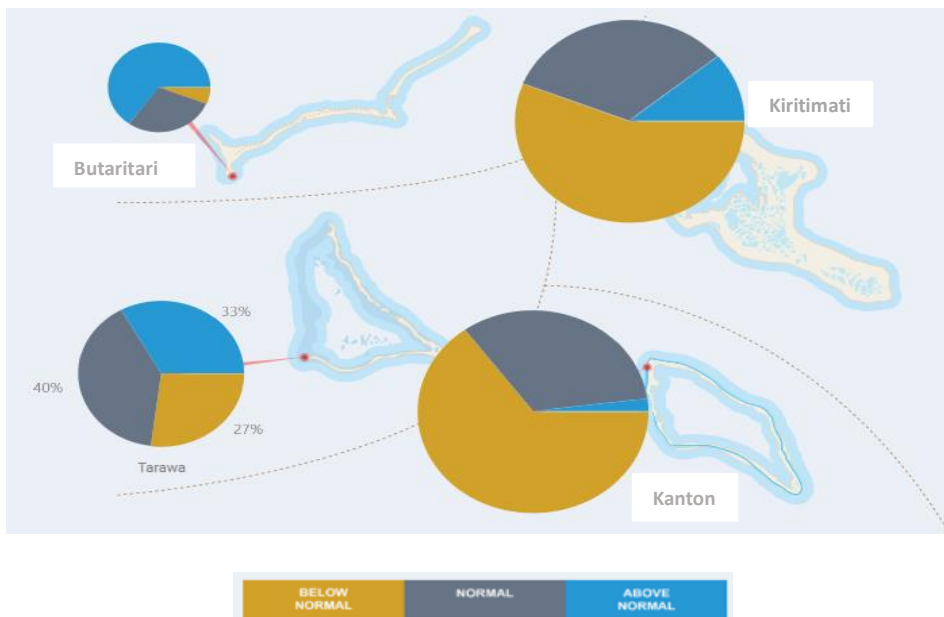


Figure 2: The pie charts above display rainfall outlook for February to April 2023. Brown shade shows below normal rainfall, grey is for normal and blue is above normal.

Seasonal Outlooks for February to April 2023:

- Kanton and Kiritimati favour **below normal rainfall** while Tarawa and Butaritari **favour normal and above normal rainfall** respectively.

Overall Rainfall Prediction:

The predictions from the two tools above show that all Islands favour below normal rainfall in SCOPIC while PICASO predicts that some islands in the Gilbert favour normal to above normal rainfall while the rest favour below normal rainfall. The PICASO skill is low for compared to SCOPIC therefore, below normal is most likely for all Islands in Kiribati.

CLIKP TEMPERATURE FORECAST- FEBRUARY TO APRIL 2023

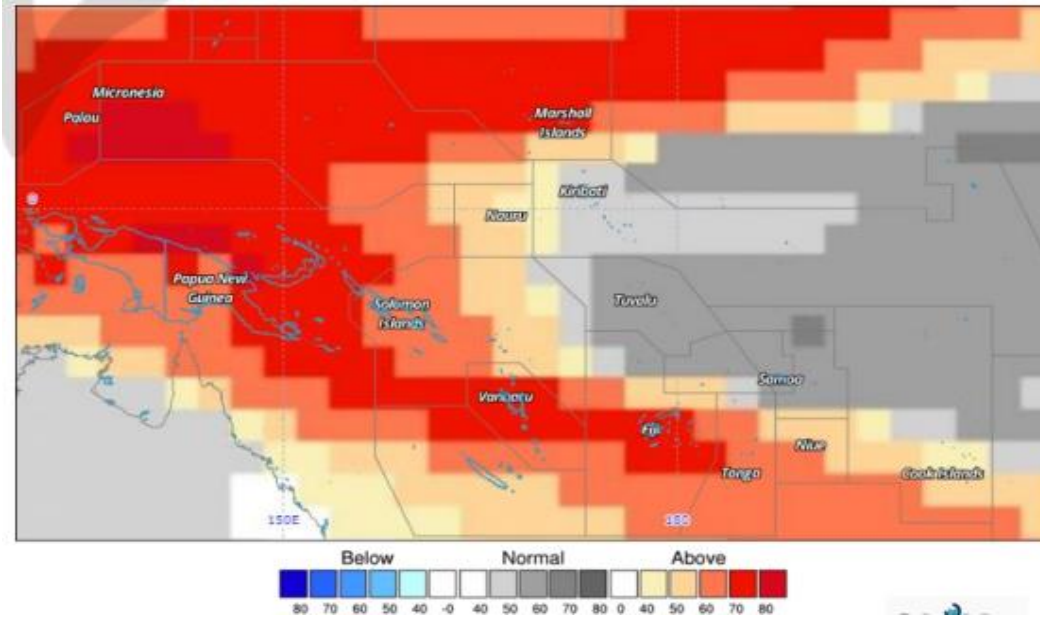


Figure 3: The image above is the air temperature outlook map for February to April 2023.

Air Temperature Outlooks:

- Normal air temperature is forecasted for the Kiribati region in the coming three months (February to April).