

STATEMENT FROM THE SEVENTEENTH AFRICAN CONTINENTAL CLIMATE OUTLOOK FORUM (ACCOF-17)

ADDIS ABABA, 30 TO 31th MAY, 2024

SUMMARY

The rainy season from June to September 2024 is expected to be generally wet across most of the Sahel region, from Senegal to Djibouti. The season will be characterised by a normal to late onset. Well above-average temperatures are expected, during the same season, over North Africa and East Africa.

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The seventeenth Climate Outlook Forum for the African Continent (ACCOF-17) was held in Addis Ababa on May 30 to 31th, 2024 to present consensual outlooks for the rainfall season for the period from June to September 2024 across the African continent. Climate experts from ACMAD, AGRHYMET, ICPAC, CIO, and Morocco RCC network of the North Africa, CAPC-AC, as well as experts from the National Meteorological and Hydrological Service (NMHS) in Africa, contributed to these outlooks. Other contributions were acquired from the products of the Global Production Centres (GPC), namely the European Medium Range Products Center Weather Forecasting (ECMWF), and the National Oceanic and Atmospheric Administration (NOAA), Beijing Climate Center (BCC), Météo-France, Australia Bureau of Meteorology (BoM), UK Met Office, the International Research Institute for Climate and Society (IRI) and World Meteorological Organization Lead Center (WMOLC). The outlook covers the rainy season from June to September 2024. The outlook is presented in two quarterly periods superimposed as follows: June-July-August (JJA) and July-August-September (JAS).

METHODOLOGY

Based on statistical analyses, other climate prediction systems, and the interpretation of climate experts, scientists determined the probabilities of above-normal, normal, and below-normal precipitation for each area (Figures 1 to 4) for overlapping quarterly periods, namely June-July-August (JJA) and July-August-September (JAS). Based on a period of 30 years (i.e. the 1991-2020 normal), the observed precipitation which is categorized in the part of above-normal is defined as precipitation falling in the highest third, i.e. wet from recorded precipitation. Observed precipitation amounts falling in the below-normal category are defined as being in the driest zone. The third of the precipitation amounts and the normal are the middle third, centered on the climatological normal.

CLIMATE OUTLOOK FOR THE PERIOD FROM JUNE TO SEPTEMBER 2024

Climate experts in their interventions took into account the climatic factors of the current oceanic and atmospheric behaviour in the different regions of the Continent, including the El Niño Southern Oscillation (ENSO), which is currently in a weakening El Niño phase, expected to transition to a positive neutral phase during the period of June to September 2024. There is also an increased probability of the persistence of a positive Indian Ocean Dipole (IOD) and a negative Subtropical Indian Ocean Dipole (SIOD) during this period. Over the Atlantic, from the Tropical North Atlantic (TNA) basin to the South Tropical Atlantic (TSA), warm conditions prevailed and are expected to persist during both seasons. At the end of the analyses, the following trends emerged for the key parameters of the rainy season from June to September 2024:

- Amounts of rain generally normal to lower-than-average totals are expected over the large south-eastern of Nigeria and south-western of Cameroon.
- From Western, Central and Eastern Africa region normal to above normal is very likely during the season of June to August and July to September 2024.
- Above to well Above temperature is expected from June to September 2024
- During the same season from February to May 2023, the rest of the part of the Continent could have climatological conditions close to the seasonal average.

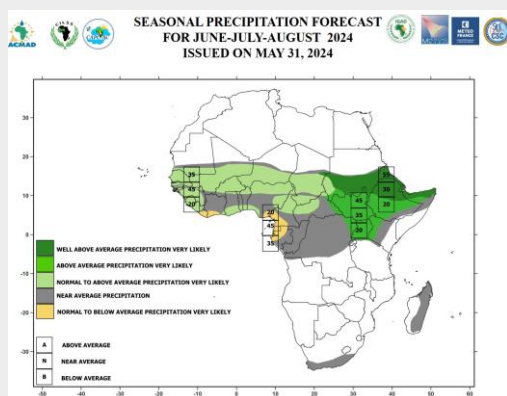


Figure 1: Rainfall forecast for June-July-August 2024

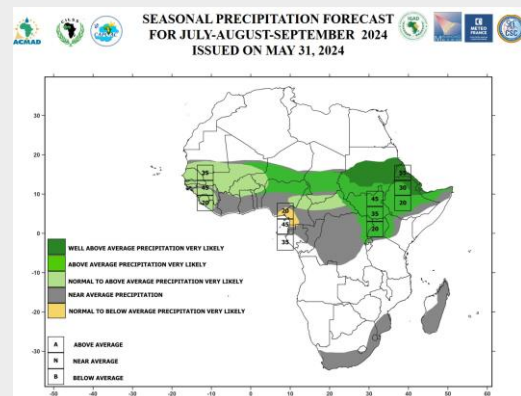


Figure 2: Rainfall forecast for July-August-September 2024

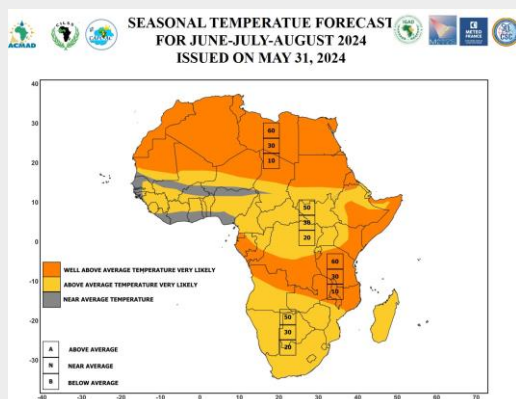


Figure 3: Temperature forecast for June-July-August 2024

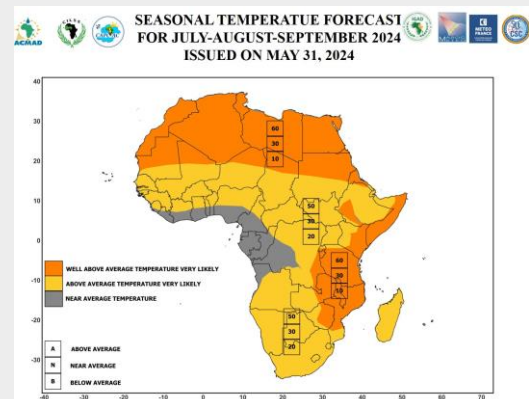


Figure 4: Temperature forecast for July-August-September 2024

LEGEND OF THE FIGURE

The coloured areas in the figures above indicate the precipitation probabilities in each plotted area. Precipitation probabilities are represented by six categories, above normal, normal to above, near normal, normal to below, below normal and well below normal. The first colour (Green) indicates the probability of precipitation occurring in the above normal category, the second colour (Light Green) corresponds to normal to above normal precipitation, while the third colour (Gray) represents The near normal precipitation (Climatology), fourth colour (yellow) represents the probability of normal to below normal precipitation, the last colour (dark yellow) corresponds to below normal precipitation and the last colour (orange) represents precipitation much lower than normal.