



FIFTEENTH AFRICAN CONTINENTAL CLIMATE OUTLOOK FORUM (ACCOF-15)

9th February 2024

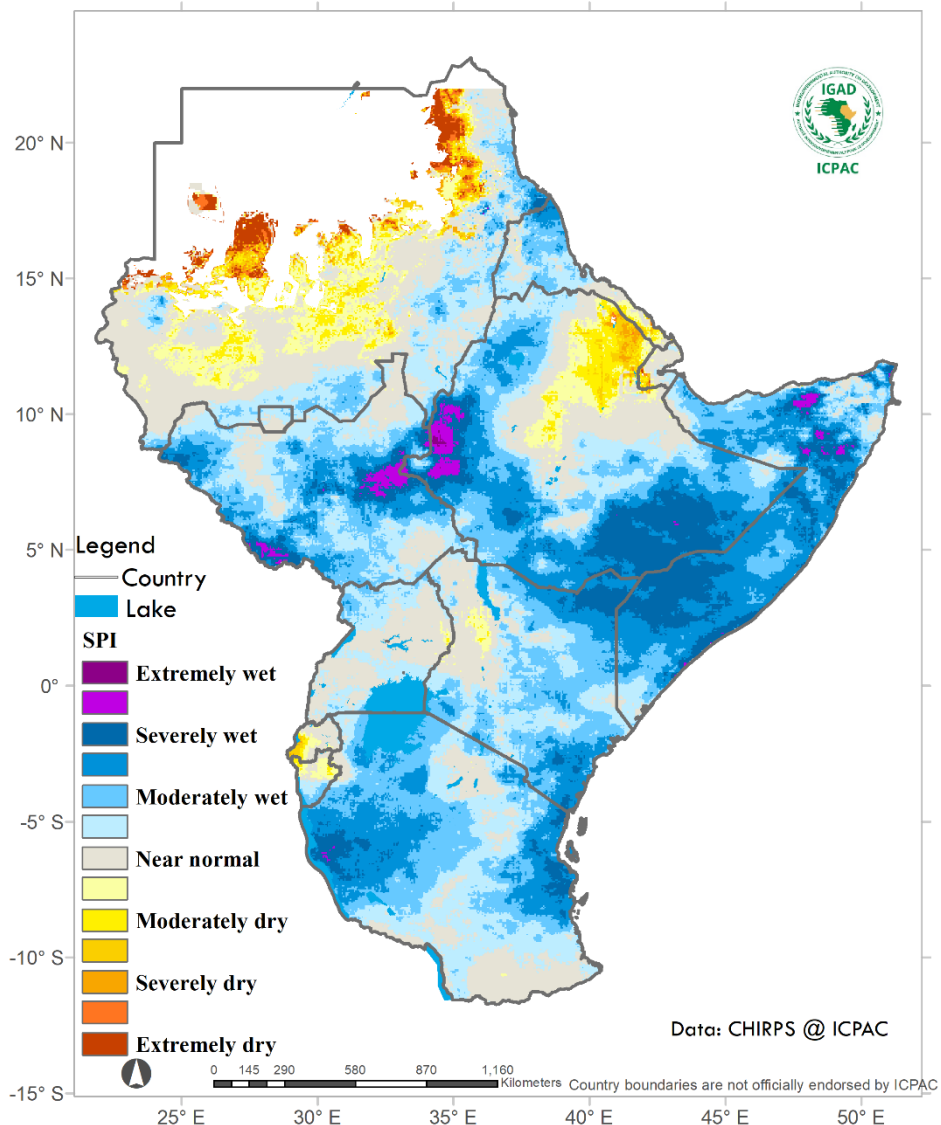
IGAD Climate Prediction and Applications Centre (ICPAC)

OUTLINE

- 1). October to December 2023 and Jan 2024 rainfall performance
- 2). State of global drivers
- 3). Weekly, Monthly & Seasonal forecast

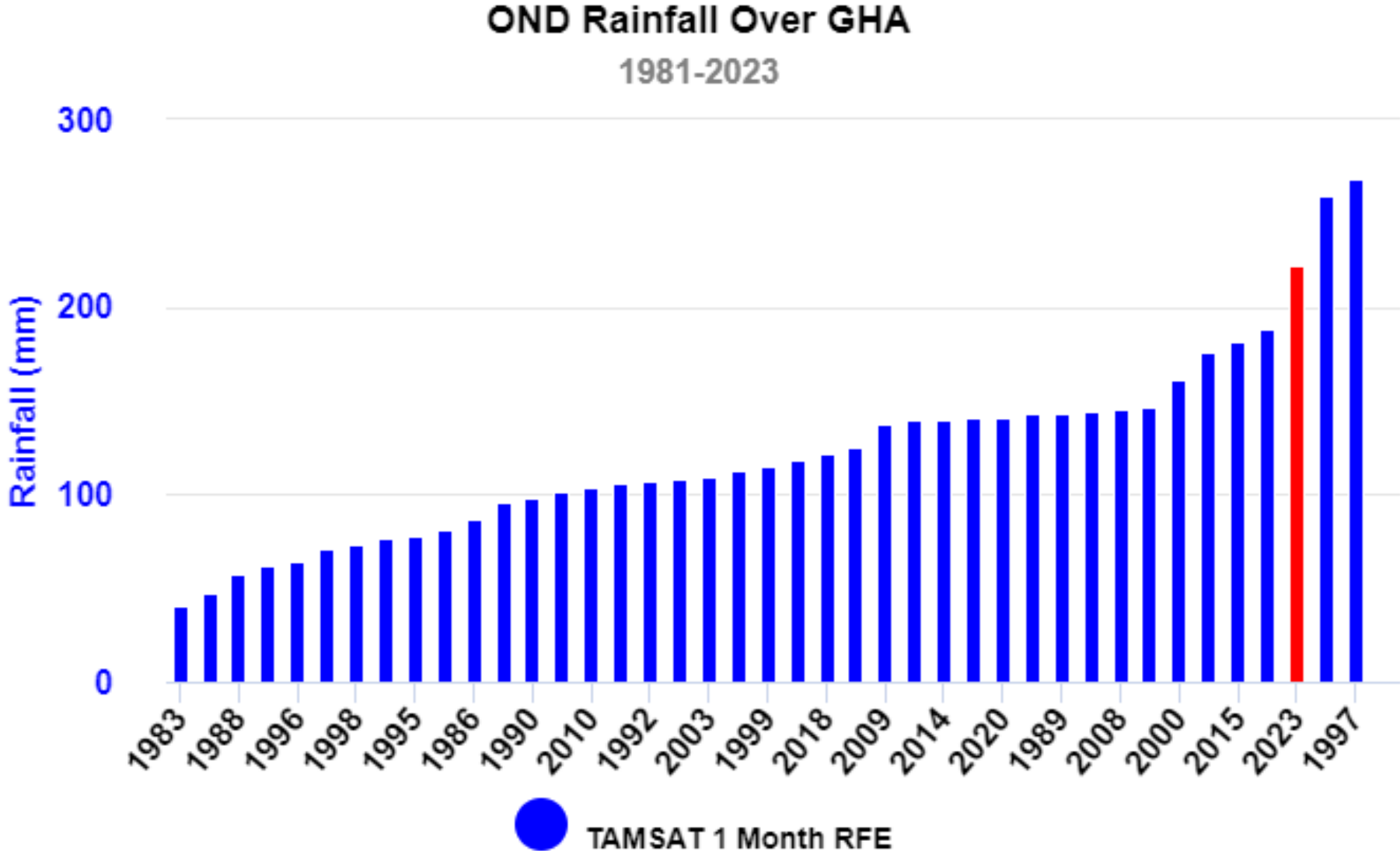
OCTOBER - DECEMBER 2023 RAINFALL PERFORMANCE

SPI OND 2023



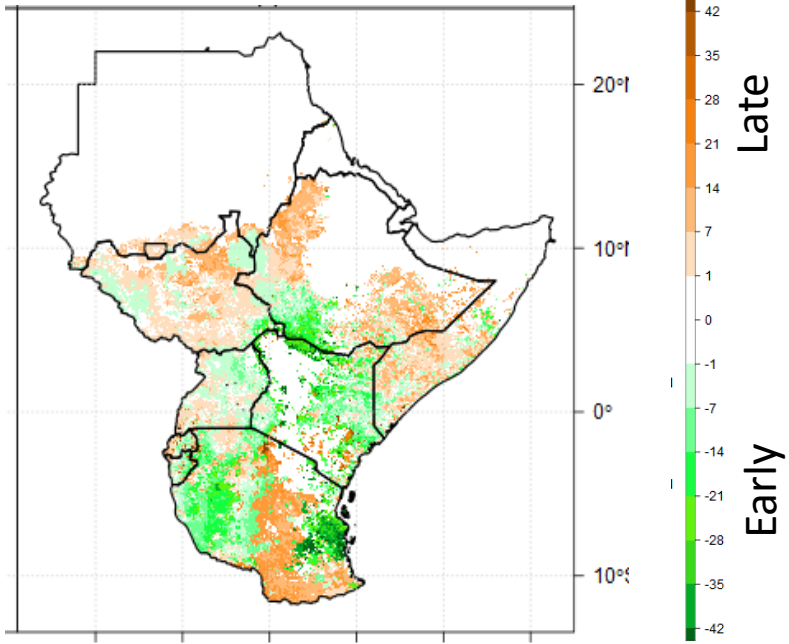
- **Moderate to extremely wet conditions** were observed over western Eritrea,, in western and southern Ethiopia, Somalia, South Sudan, much of Kenya, and Tanzania
- **Moderately dry to extremely dry conditions** were observed in southern Rwanda and in parts of northern Burundi
- **Usual rainfall conditions** were observed in the rest of the region.

OCTOBER - DECEMBER 2023 RAINFALL PERFORMANCE

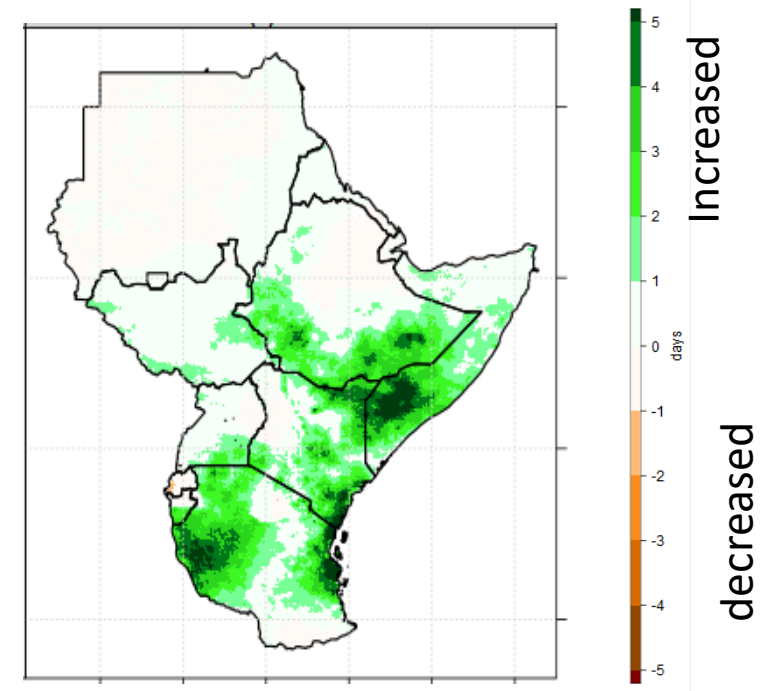
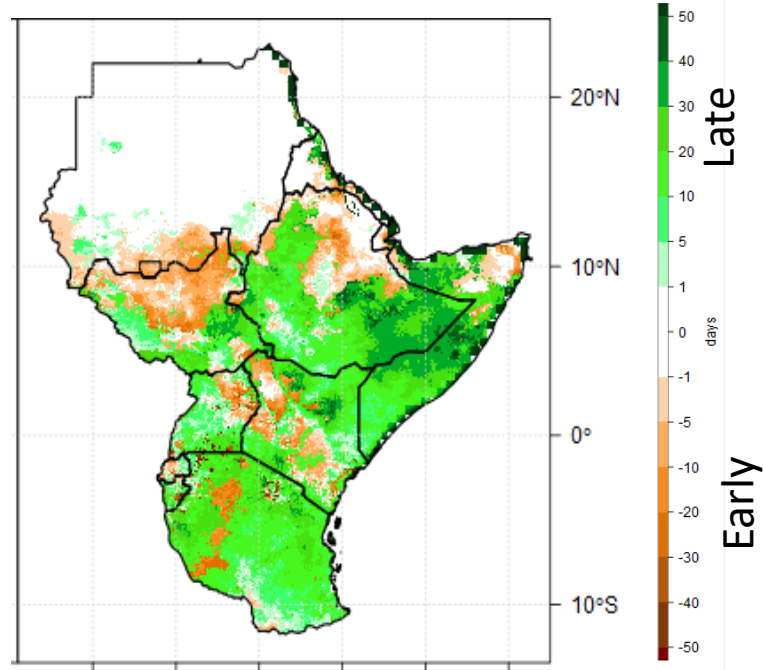


ONSET/CESSATION

Onset Anomaly

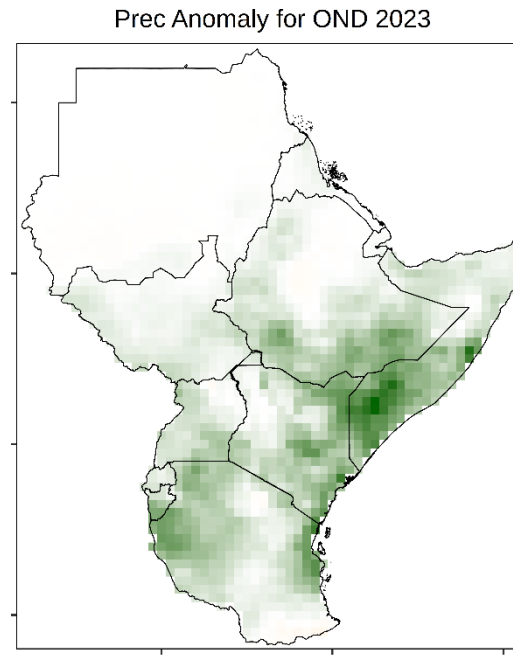
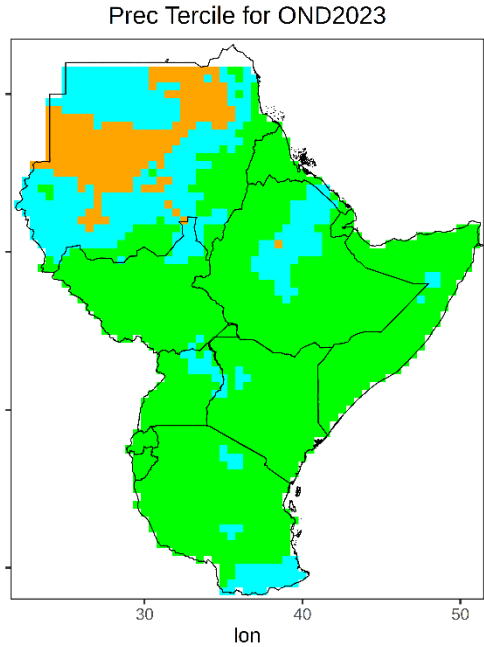
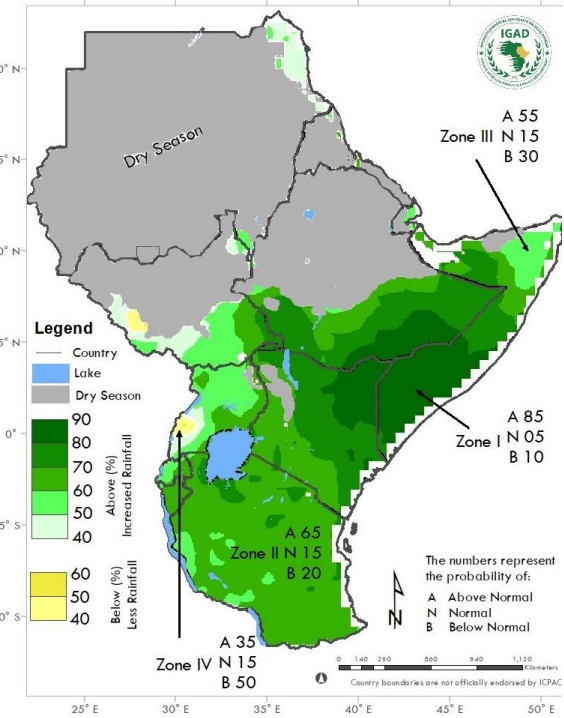


Cessation Anomaly

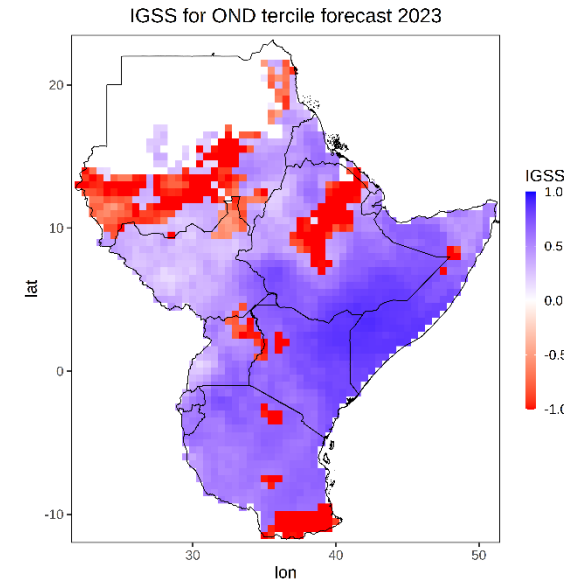
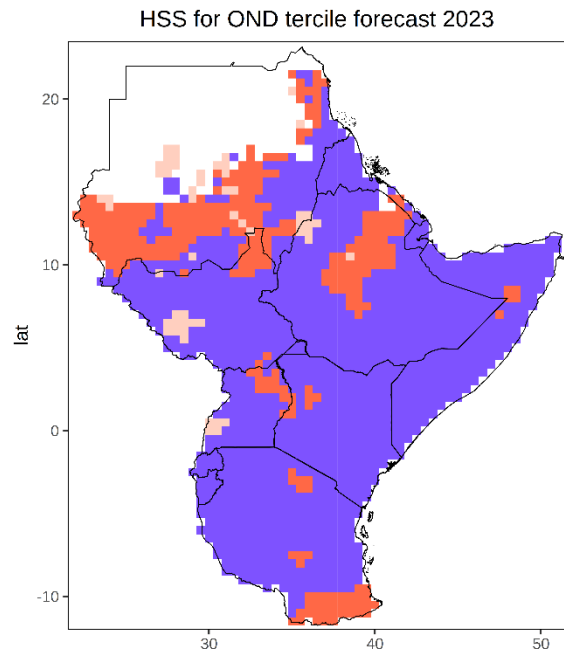
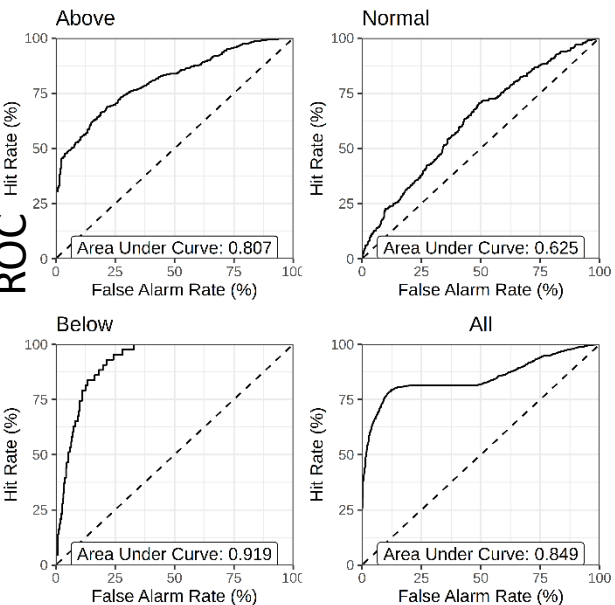


- Delayed onset observed over parts Kenya, Somalia, Ethiopia and Tanzania
- Later than usual cessation observed over most parts of the region

OCTOBER - DECEMBER 2023 SKILLS



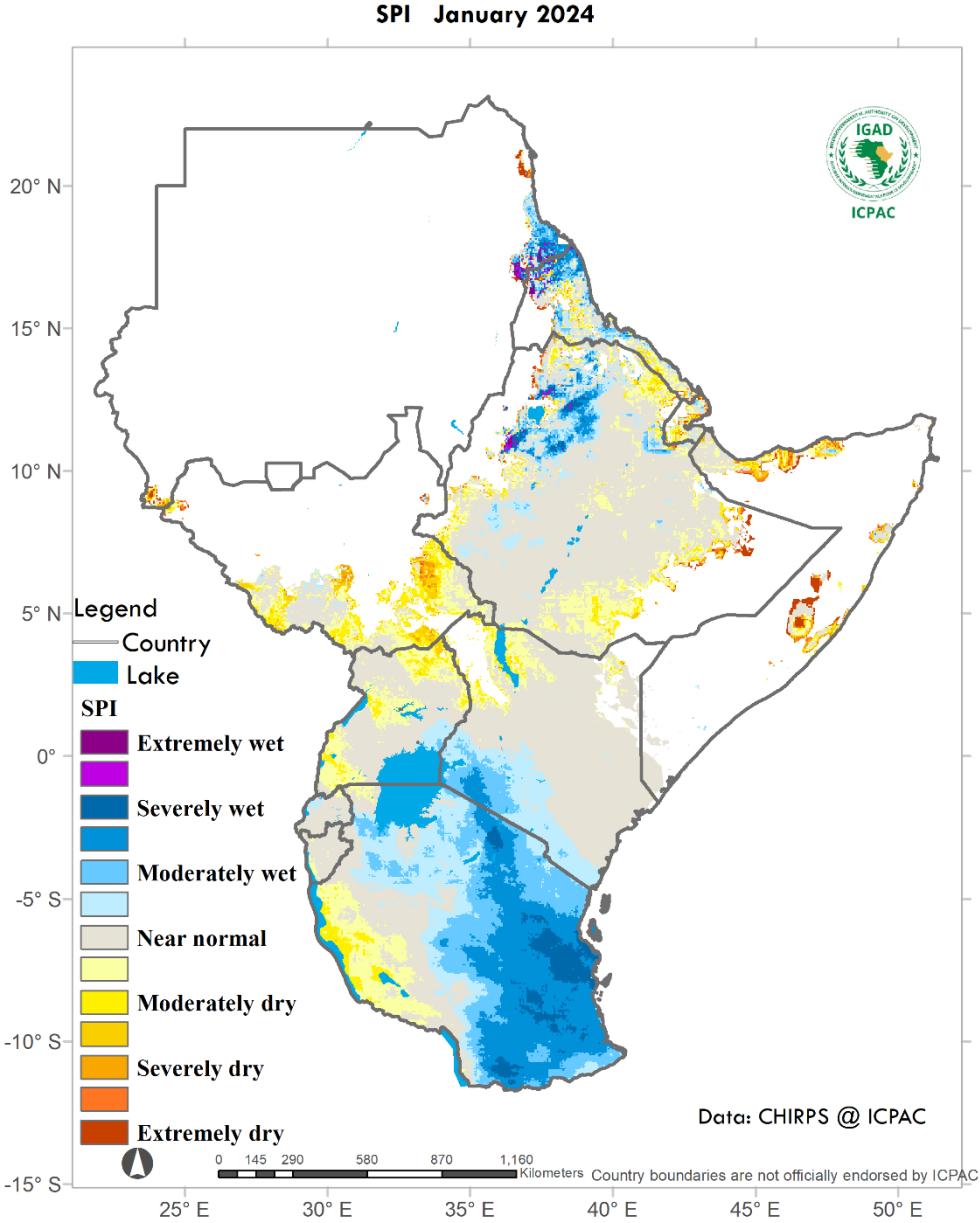
- OND 2023 forecast showed that most parts of the region would record enhanced rainfall



- As observed, the forecast was skilful as shown by ROC, HSS and IGSS scores

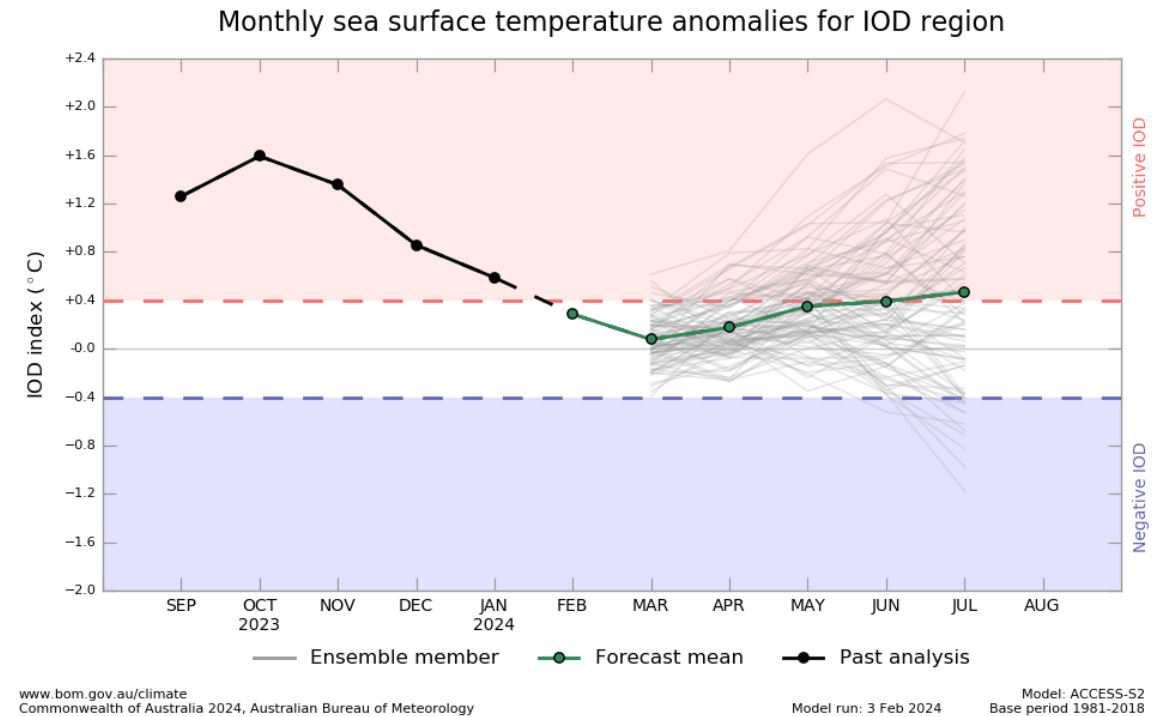
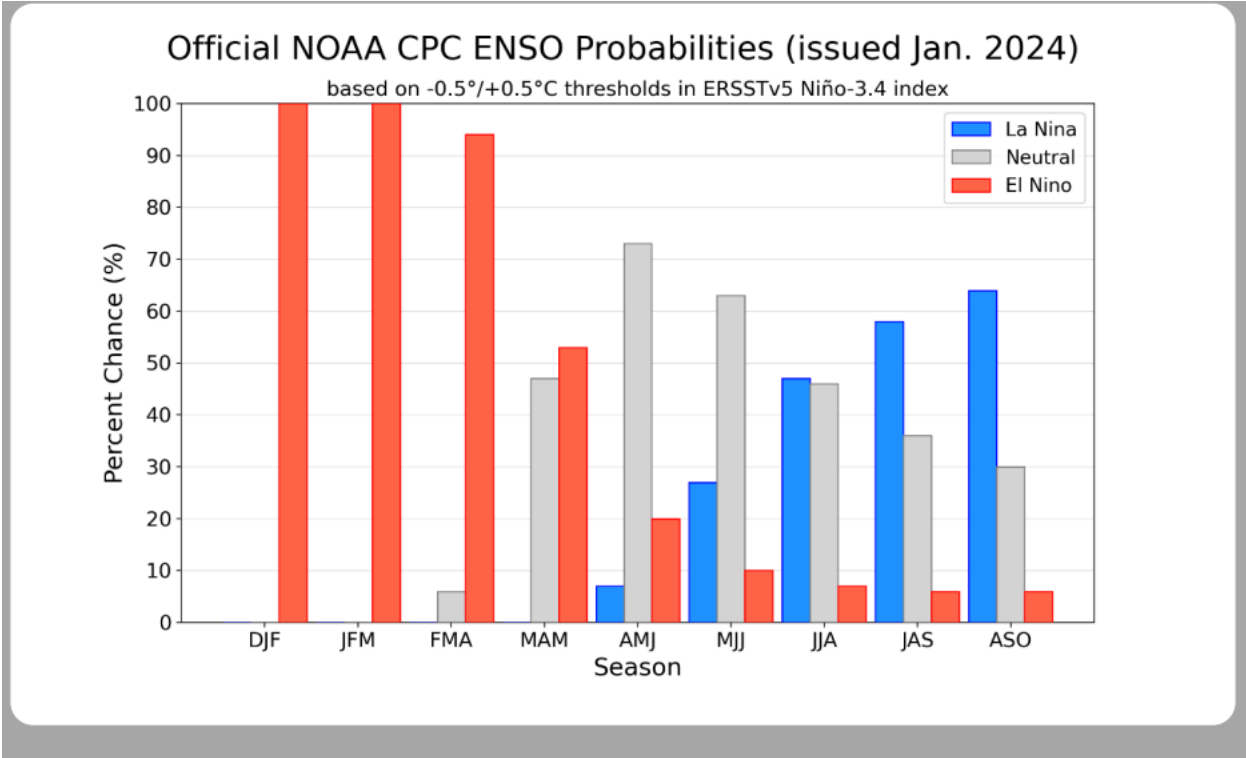


JANUARY 2024 RAINFALL PERFORMANCE



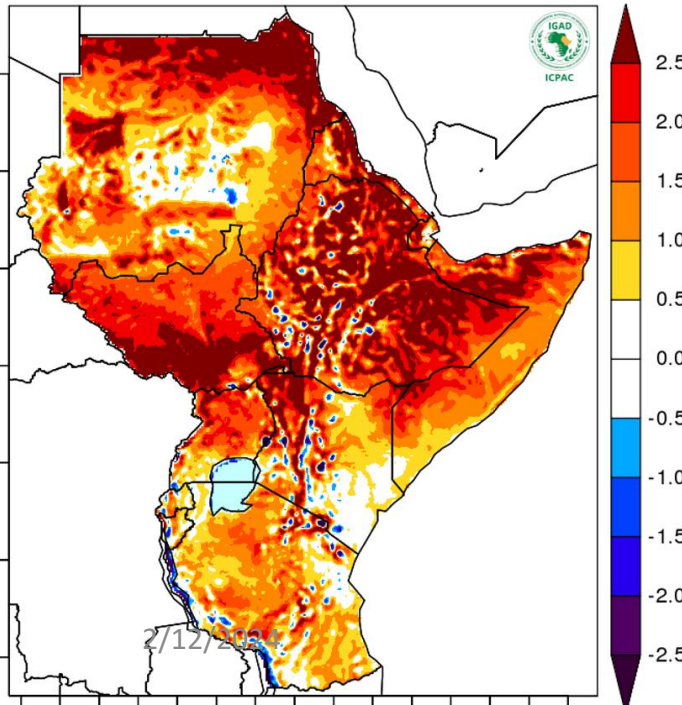
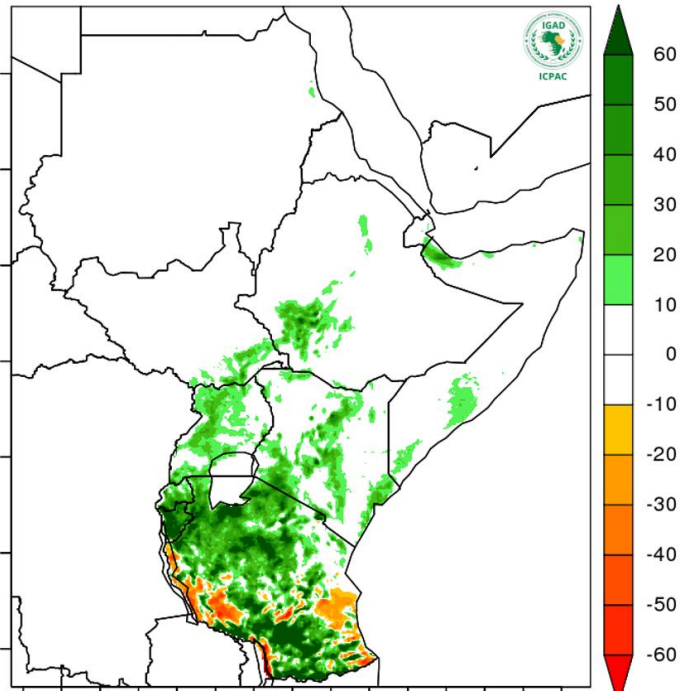
- **Moderate to severely wet conditions** were observed in southwestern parts of Kenya, and in northern to eastern parts of Tanzania.
- **Moderate to severely dry conditions** were observed in parts of Uganda and western parts of Tanzania.
- **Usual rainfall conditions** were observed in the rest of the region.

ENSO AND IOD EVOLUTION & OUTLOOK



- El Niño conditions are currently underway
- A transition to ENSO-neutral is anticipated by April-June 2024 (73% chance).

- The Indian Ocean Dipole (IOD) is currently positive.
- IOD strength continues to weaken and is likely to be neutral by February

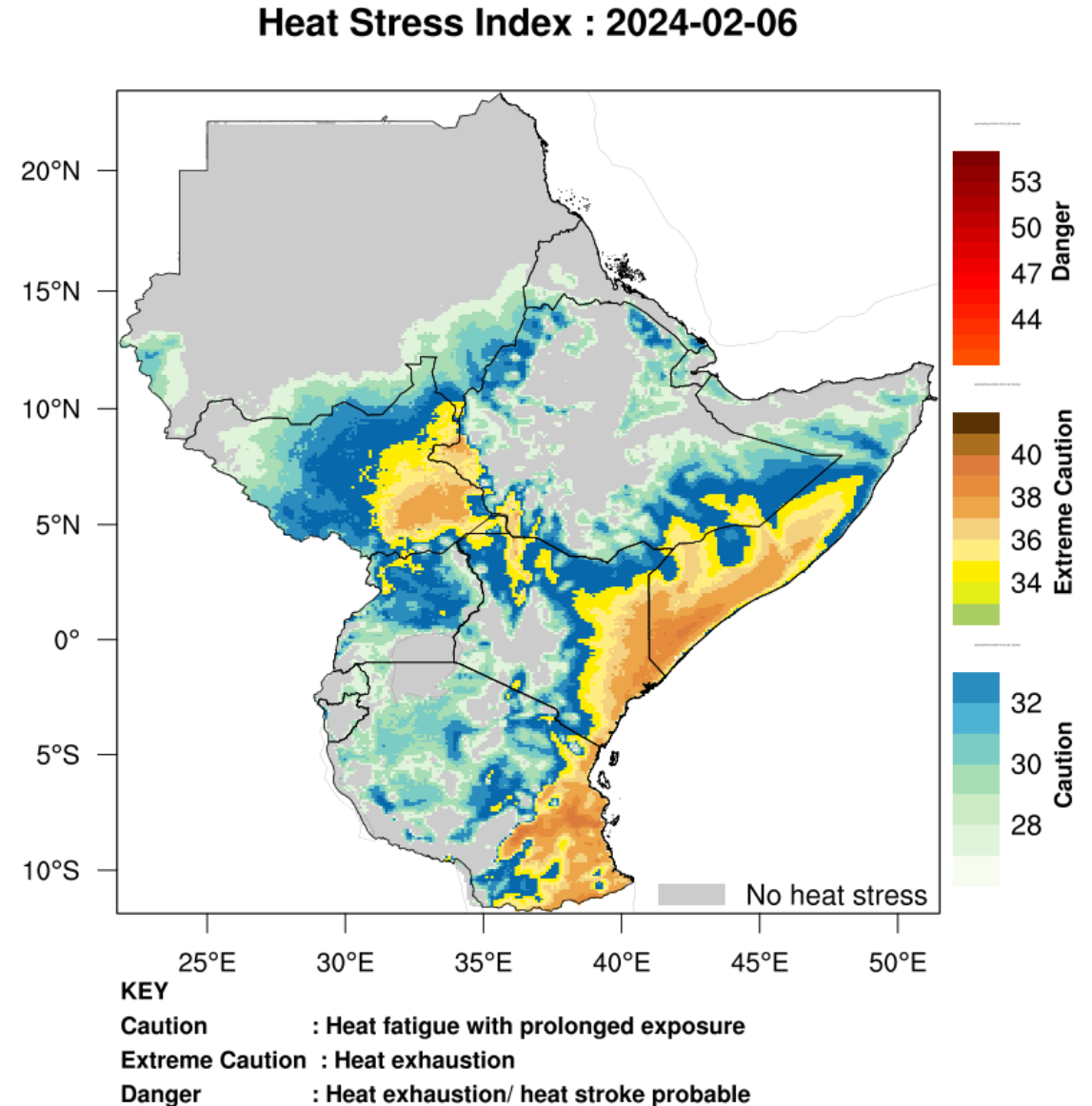


WEEKLY FORECAST

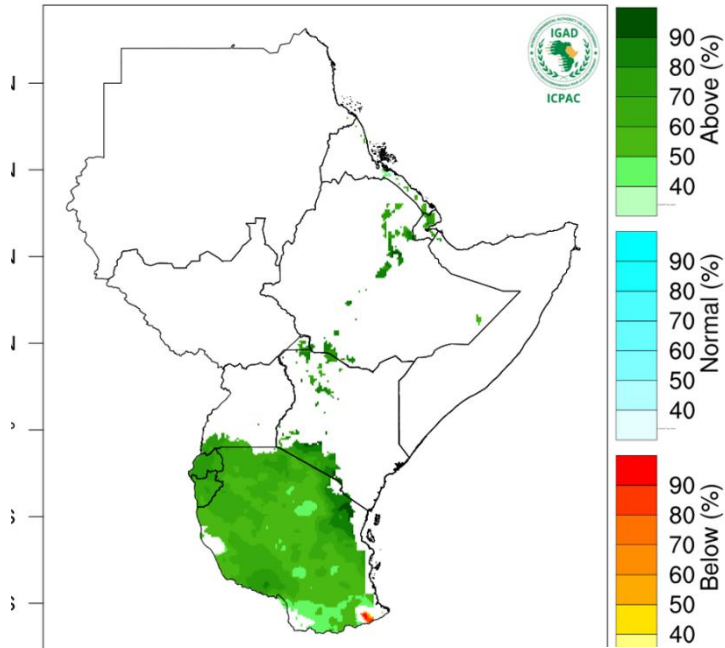
- **Wetter than usual conditions** expected over parts of Uganda, Kenya and Ethiopia and most parts of Burundi, Rwanda and Tanzania.
- **Drier than usual conditions** expected in a few regions in western and southern Tanzania.
- **Warmer than usual temperatures** predicted over most parts of the GHA

HEAT STRESS FORECAST

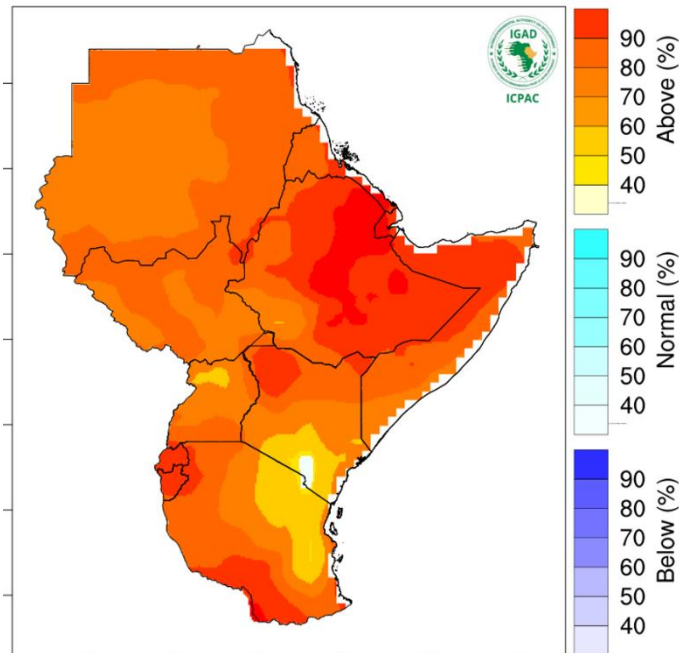
- **Elevated levels of heat stress** are likely in coastal regions of Tanzania, Kenya and southern Somalia, and eastern South Sudan



Rainfall Probabilistic Forecast for February 2024



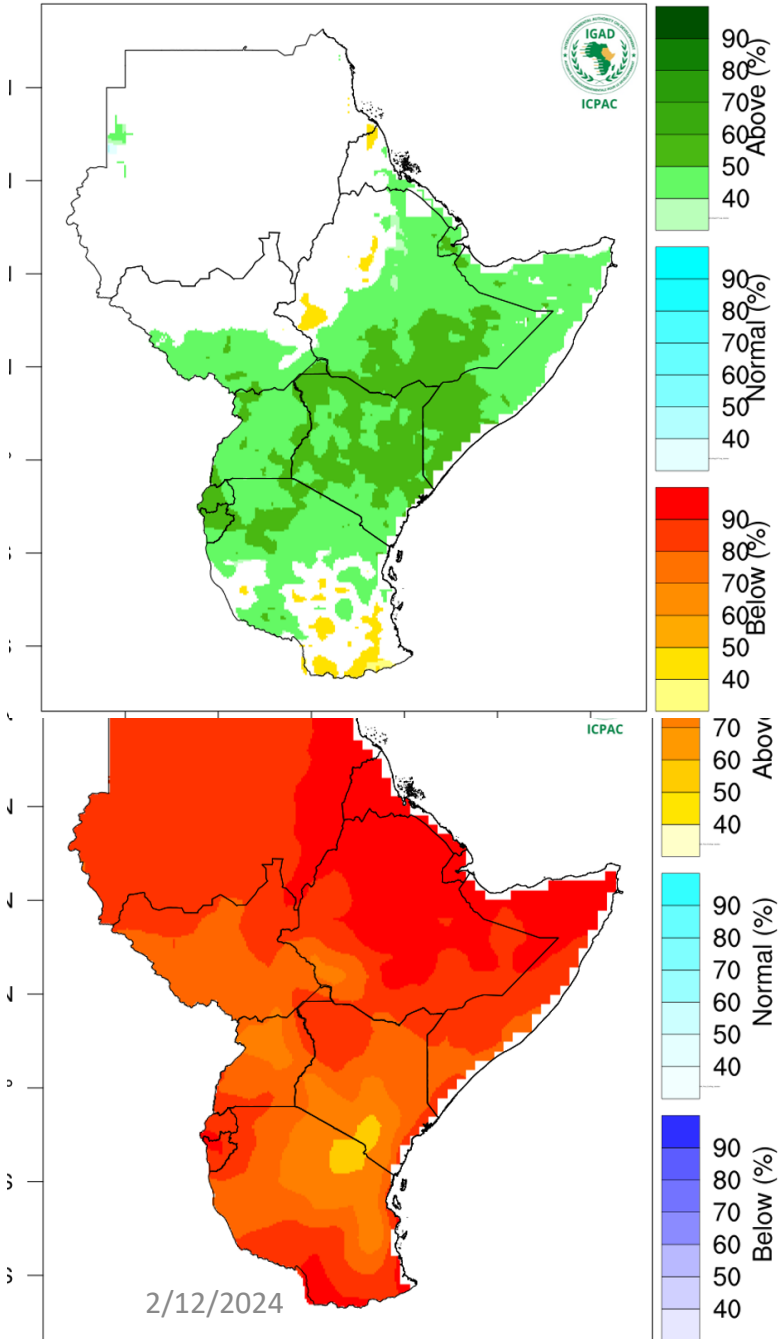
Temperature Forecast for February 2024



FEBRUARY 2024 FORECAST

- **Wetter-than-usual conditions** expected over south-western Uganda, Rwanda, Burundi, Tanzania, and south-western Kenya.
- **Dry conditions** expected over the rest of the region, as is normal for this month.
- **Warmer than usual conditions** expected over most parts of the region

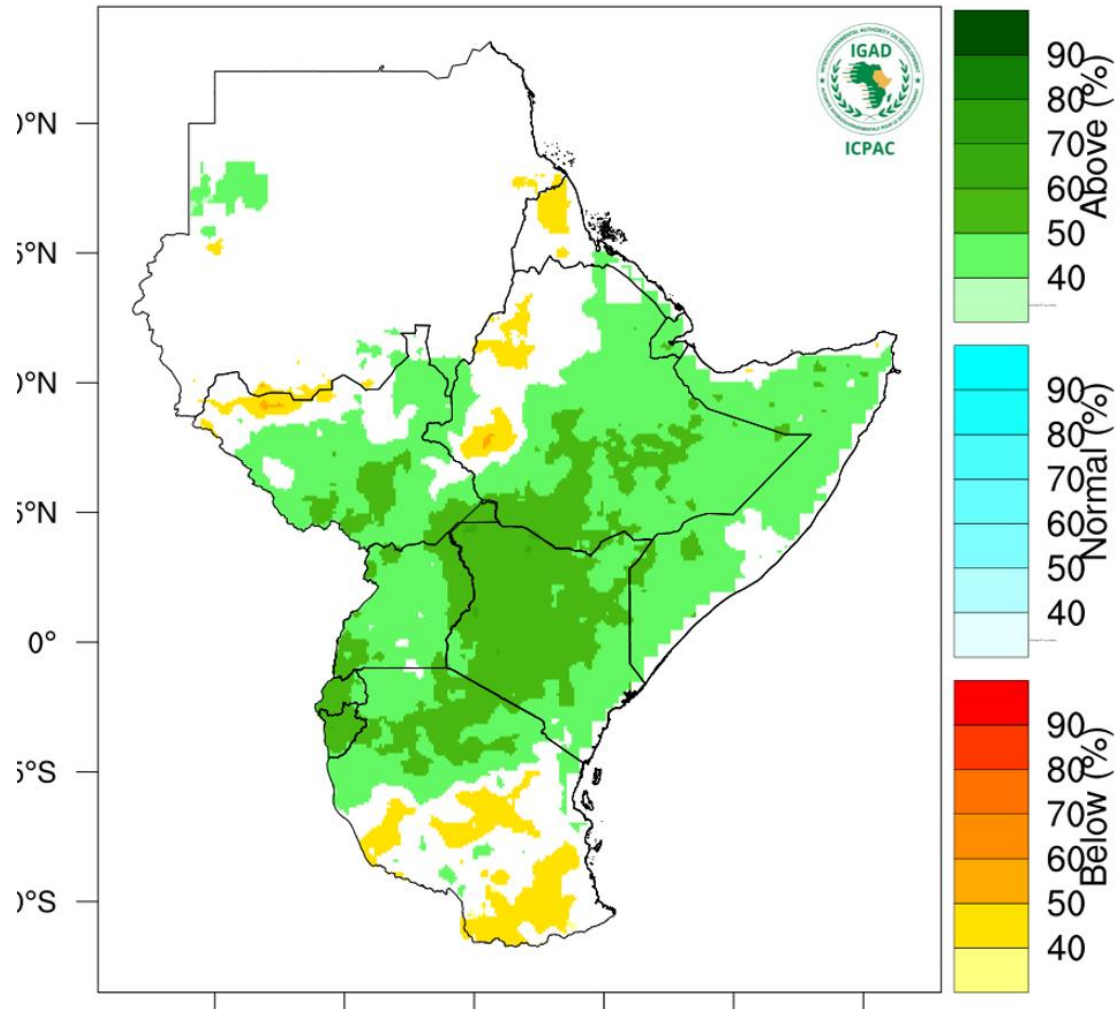
FEBRUARY TO APRIL 2024 FORECAST



- **Wetter than usual conditions** expected over northern Tanzania, Burundi, Rwanda, Uganda, southern South Sudan, much of Ethiopia, Somalia, and Djibouti.
- **Drier than usual conditions** expected over southern areas of Tanzania, and localized regions in Ethiopia.
- The rest of the region is **generally dry** during this season.
- **Warmer than usual** temperatures indicated over most parts of the region.

2-MONTHS LEAD MARCH-MAY 2024 FORECAST

Rainfall Probabilistic Forecast for March - May 2024



- **Wetter than usual conditions** expected over most parts of the region
- **Drier than usual conditions** expected over areas in western Ethiopia, and northern South Sudan
- Updated MAM forecast will be issued in February
- **NB: This forecast is issued 2 months ahead and might change as the season gets closer**