

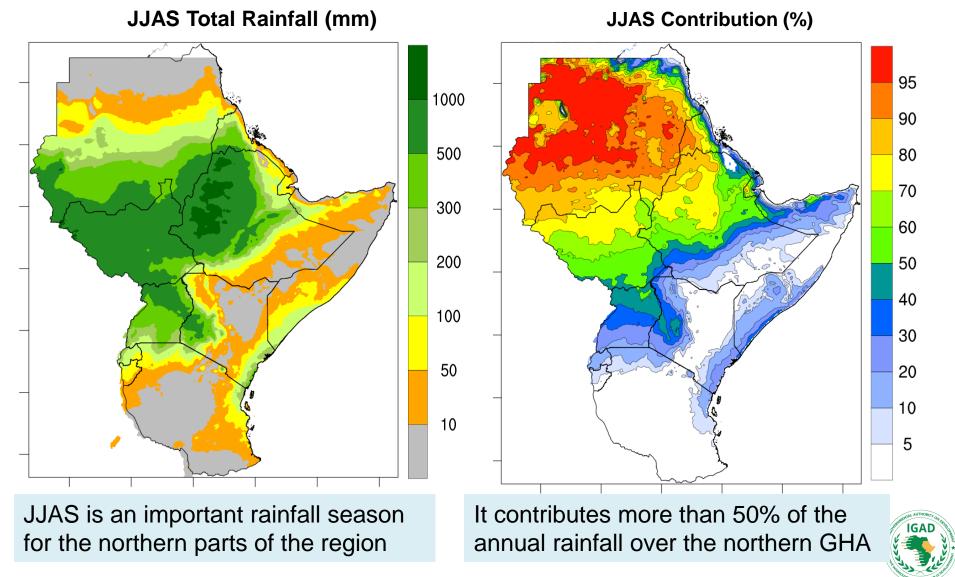
JUNE TO SEPTEMBER (JJAS) 2024 CONSOLIDATED OBJECTIVE SEASONAL CLIMATE OUTLOOK

ACCOF-17, 30 May 2024, Addis Ababa

Hussen Seid
IGAD Climate Prediction and Applications Centre
(ICPAC)



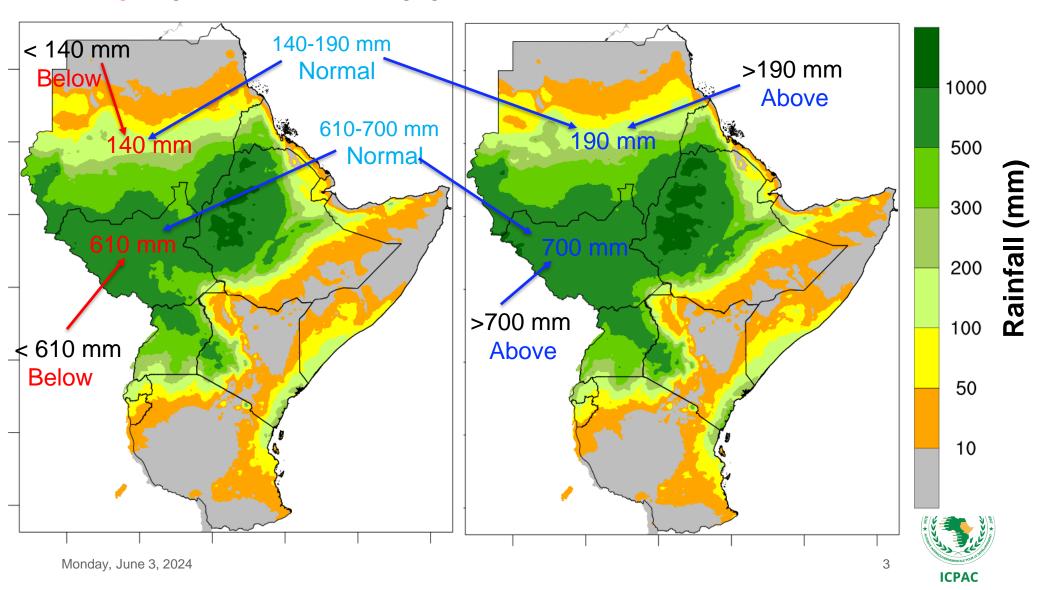
RAINFALL CLIMATOLOGY DISTRIBUTION DURING JJAS FOR 1991-2020



LONG-TERM (1991–2020) JJAS RAINFALL THRESHOLDS FOR BELOW AND ABOVE NORMAL CATEGORIES

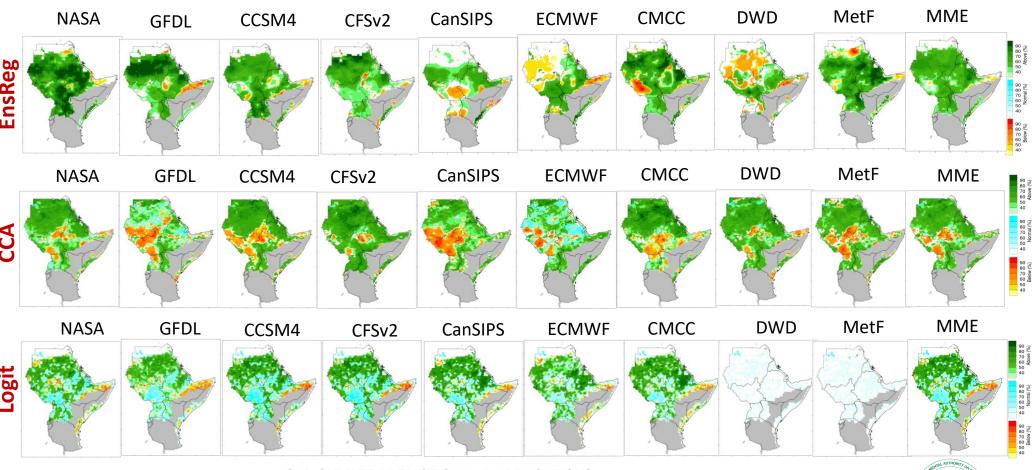
BELOW NORMAL RAINFALL THRESHOLD

ABOVE NORMAL RAINFALL THRESHOLD



INPUTS FOR OBJECTIVE JJAS 2024 FORECASTS

May 2024 initialized global forecasts from 9 GPCs were processed using 3 calibration methods to produce JJAS 2024 climate outlook over GHA

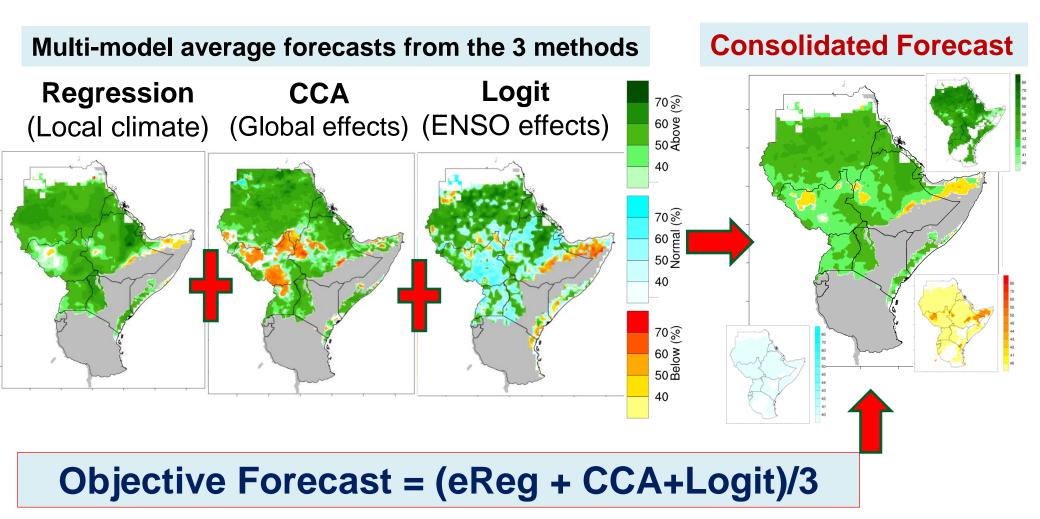


Friday, February 16, 2024

IGAD CLIMATE PREDICTION AND APPLICATIONS
CENTRE (ICPAC)



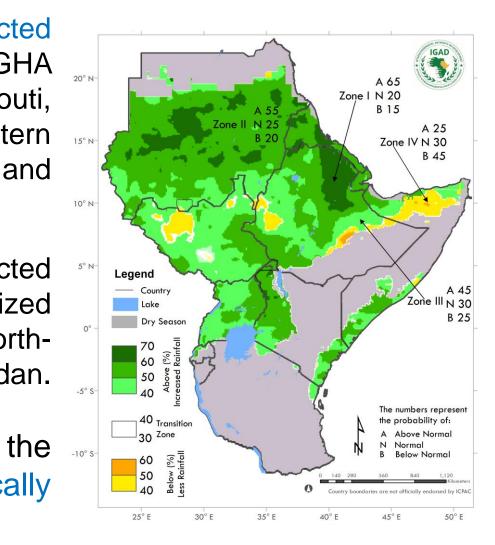
INPUTS FOR OBJECTIVE JJAS 2024 FORECASTS





JJAS 2024 RAINFALL OUTLOOK

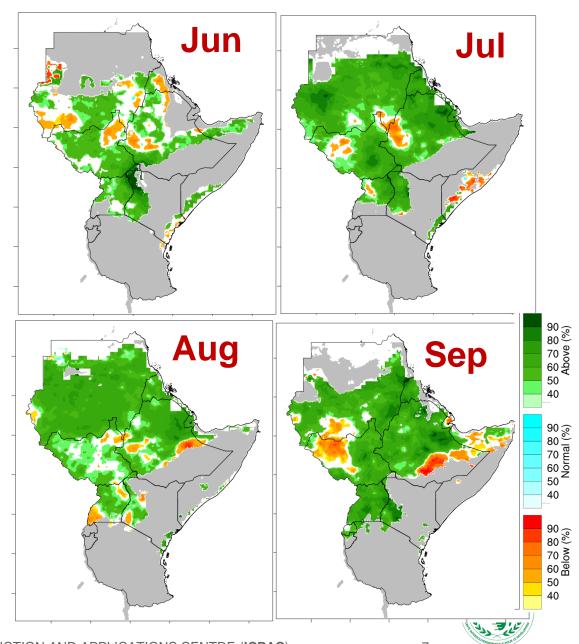
- Wetter than normal conditions expected over the northern and western GHA covering much of Sudan, Eritrea, Djibouti, Ethiopia, south Sudan, Uganda, western Kenya, costal parts of Kenya and Somalia.
- Drier than normal conditions are expected over parts of northern Somalia, localized areas in western Ethiopia and northcentral South Sudan.
- The southern and parts of the equatorial sector are climatologically dry this season.





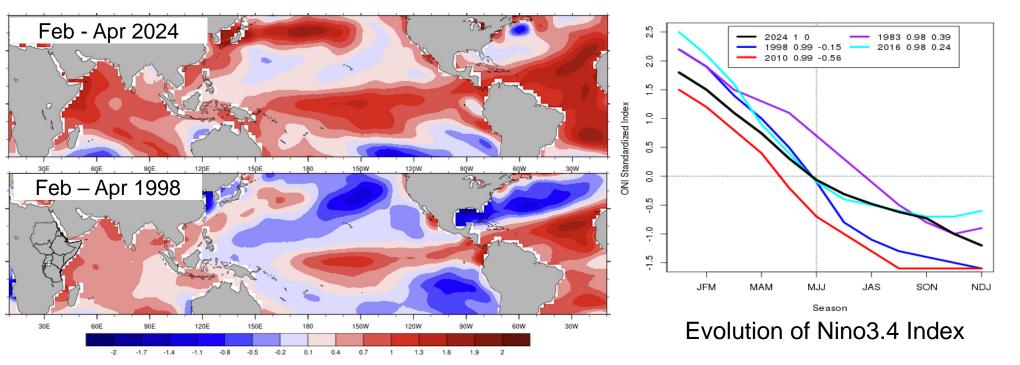
MONTHLY RAINFALL OUTLOOKS

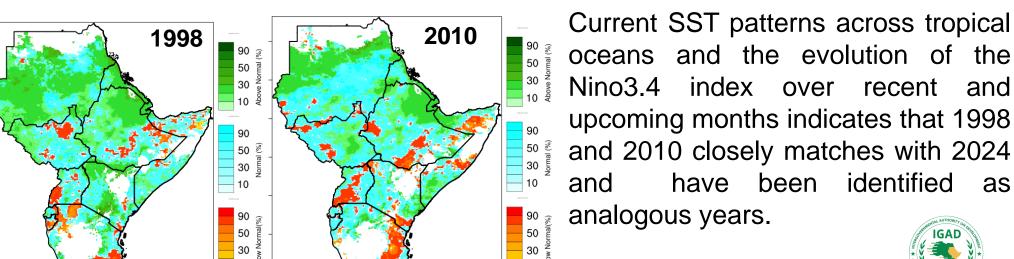
- In June, high chances for wetter than normal conditions over western Kenya, Uganda, South Sudan & drier than normal conditions western Sudan cross-border areas of Ethiopia & South Sudan.
- In July and August, most parts of the northern GHA are expected to have wetter than normal conditions
- High chances for drier conditions in Sep over western South Sudan, southern Sudan & northern coastal Somalia.



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ANALOGUE YEARS BASED ON SST PATTERN





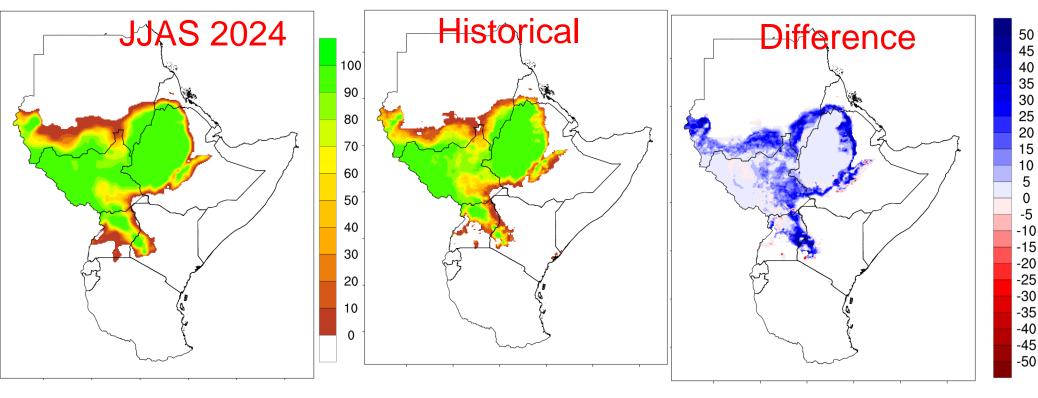
PREDICTION AND APPLICATIONS CENTRE (ICPAC)

ICPAC

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CHANCES OF JJAS RAINFALL EXCEEDING 500 MM

High chances of receiving 500 mm over central to western Ethiopia,
 South Sudan, southern areas of Sudan, and northern Uganda



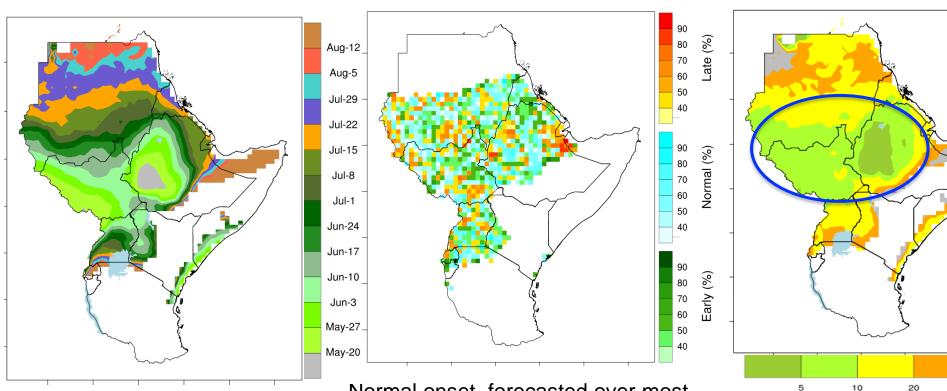
 Higher chance (up to 30%) of recording 500 mm compared to historical over southern Sudan as well as in parts of Ethiopia, South Sudan, Uganda & western Kenya.

Monday, June 3, 2024 9

ONSET OF JUN-SEP (JJAS) 2024 SEASON

JJAS 2024 Onset Date

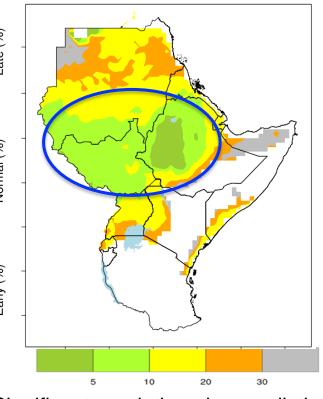
Standard Dev.



The onset of rainfall. as predicted by the average forecast from 5 GCMs (212 members) shows a progression from south to north

Normal onset forecasted over most parts of the region; delayed onset indicated in localized areas of north-eastern and western parts of ensemble members over Sudan, the region.

Onset Probability

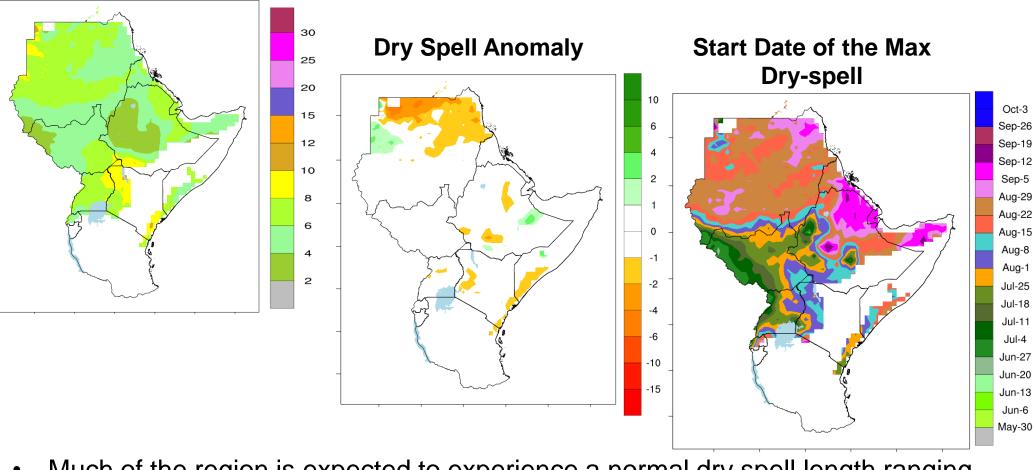


Significant variation in predicting various dates onset among Eritrea, Djibouti & north eastern Ethiopia.

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LENGTH (DAYS) OF MAXIMUM DRY-SPELL DURING JJAS 2024 SEASON

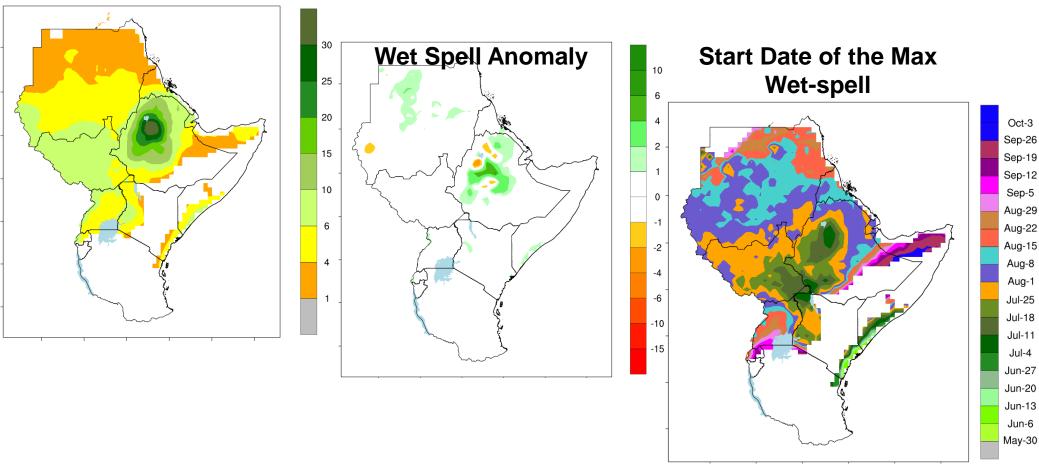
Maximum Dry-spell Length



 Much of the region is expected to experience a normal dry spell length ranging from 4 to 8 days with the exception of western and coastal parts of Kenya, and eastern Uganda

LENGTH (DAYS) OF MAXIMUM WET-SPELL DURING JJAS 2024 SEASON

Maximum Wet-spell Length

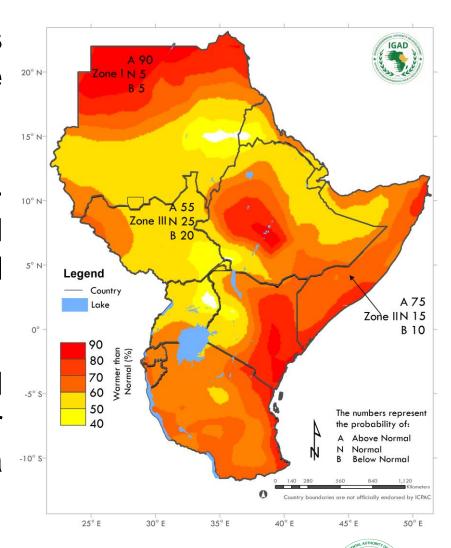


 Longer wet spell lengths after onset are expected over parts of central and northern Ethiopia



JJAS 2024 TEMPERATURE OUTLOOK

- Warmer than average temperatures are expected over most parts of the region.
- Higher probabilities of aboveaverage temperatures are indicated over northern Sudan, southern and coastal parts of the region.
- Normal temperatures are expected over a few areas of the cross-border regions of Sudan-Eritrea and Kenya & Uganda.





SUMMARY

- Wetter than normal conditions expected over most parts of Sudan, South Sudan, central to northern Uganda, western Kenya, Ethiopia, Djibouti & Eritrea.
- Normal to early onset is expected over most parts of the northern regions covering much of central and northern Ethiopia, Eritrea, Sudan and South Sudan.
- Temperature is expected to be warmer than average over much of the region with higher probabilities over northern Sudan, parts of Ethiopia, Somalia, Kenya, Rwanda, Burundi & Tanzania.



THANK YOU!!HANK YOU!

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