

**PERFORMENCE OF MAM 2021 SEASONAL CLIMATE OVER THE GREATER HORN OF AFRICA**

**THE FIFTY EIGHTH GREATER HORN OF AFRICA CLIMATE OUTLOOK FORUM (GHACOF 58) FOR THE JUNE TO SEPTEMBER (JJAS) 2021 SEASON**

Hussen Seid and Paulino Omay

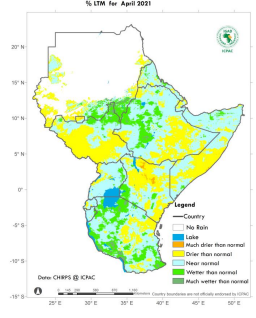
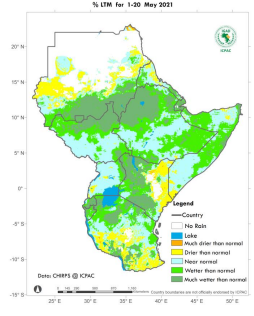
IGAD Climate Prediction and Applications Centre (ICPAC)



**MAM PERFORMANCE – PERCENTAGE OF NORMAL**

**March**

**April 1-20 May**

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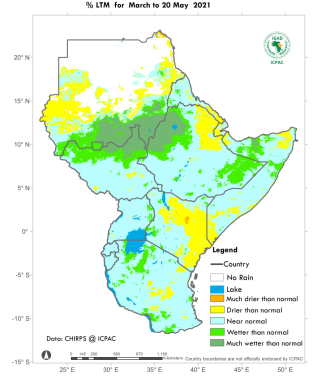
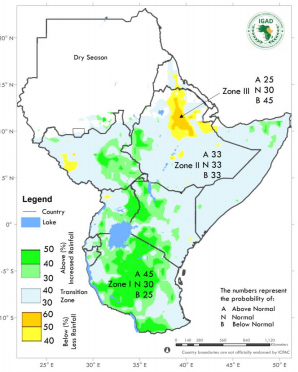
❑ Dry conditions observed in March in most parts of the region. Rainfall was well above average in first 20 days of May

❑ Cross border areas of Ethiopia-Sudan-South Sudan observed above average condition since the start of the season 

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**OVERALL SEASONAL PERFORMANCE (MARCH - 20 MAY )**

**Forecast Observation**

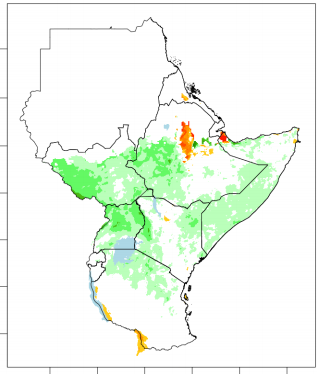
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**NB:** Verifications will be done once observed data become available for the season!!

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**ONSET OF MAM 2021 RAINY SEASON**

**Predicted Onset Date Anomalies Observed Onset Date Anomalies** 

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❑ Delayed onset observed in most parts of GHA though forecast had indicated early onset ❑ Predicted late onset over northcentral part of Ethiopia is in agreement with the observed

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**MAM PERFORMANCE FROM SELECTED STATIONS**

**- Gisenyi**

**- Mtwara**

**- Kibungo**

1400

Observed (1 March - 20 May) 2021) Long Term Mean MAM (1981 - 2010)

Precip\_LTM\_MAM 2021

**- Juba**

**- Raga**

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**- Nakuru**

**- Meru - Jinja - Mbarara **

**- Mwanza**

**- Dodoma**

**- Zanzibar**

**- Mombasa** 

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Credits: Ismael Lutta

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**TEMPERATURE PERFORMANCE – ANOMALIES**

****❑ In March, most parts of GHA recorded warmer than average temperature except the eastern horn, with localized regions recording over 1.5oC above the long term mean; ❑ In April, above average temperature observed over southern & equatorial parts of the region 

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**OVERALL SEASONAL PERFORMANCE (MARCH - 20 MAY ) Forecast Observation**

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**Madden-Julian Oscillation (MJO): Eastward Moving Clouds & Rainfall02 Mar 2021** 

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**23 May 2021**

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**TROPICAL STORM JOBO**

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- A rare tropical storm, JOBO made land fall in coastal Tanzania on 24th April 2021 - This was a low impact event with only about 50mm of rainfall in 24hours (GSMaP data)

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**SUMMARY**

▪ Delayed MAM 2021 rainfall onset observed in most parts of the region

▪ Dry conditions observed in March and beginning of April, while wetter than usual rainfall recorded in last week of April and first 20 days of May in most parts of GHA

▪ Warmer than average temperatures observed over most pars of GHA

▪ The Madden-Julian Oscillation (MJO) appeared to be the main influencing factor for the periods of enhanced and suppressed rainfall within the season in the region.

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**THANK YOU!**

Contribute to the Conversation on Twitter **#GHACOF58**

www.icpac.net

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