

SOUTH SUDAN CLIMATE FORECAST FOR MARCH TO MAY (MAM)2025 SEASON

A. Rainfall forecast for MAM 2025 in South Sudan.

Based on the Greater Horn of Africa(GHA) Seasonal forecast for March, April and May 2025 which was developed at IGAD Climate Prediction and Applications Centre(ICPAC) in Nairobi, Kenya on 13 – 18 January 2025 by Experts from ICPAC Member Countries including South Sudan, the Rainfall forecast for March to May (MAM) 2025 in South Sudan is expected to be:

- **Above normal (average) Rainfall** with Probability of 55% in isolated areas south of Eastern Equatoria, southeast of Jonglei, Pibor Administrative area and Southeast of Upper Nile state (**green colour**) in (fig.2, Z I)
- **Normal (average) Rainfall** with prob. of 45% in most parts of Eastern equatoria , Jonglei states, northeast of Central Equatoria equatoria and isolated areas in Central Western Equatoria state (**light green colour**) in (fig.1,ZII).
- **Below normal rainfall** in South to west of Central equatoria, southeast and northwest of western equatoria , much of Western Bhar el Ghazal, Lakes, Warrap and South of Unity states, South of Northern Bhar el Ghazal, Warrap and Unity States(areas in yellow colour) in (fig.1.Z IV).
- **Climatologically Dry conditions (grey colour)** in the far norther parts of the country

Fig.1 Rainfall forecast for MAM2025 in South Sudan

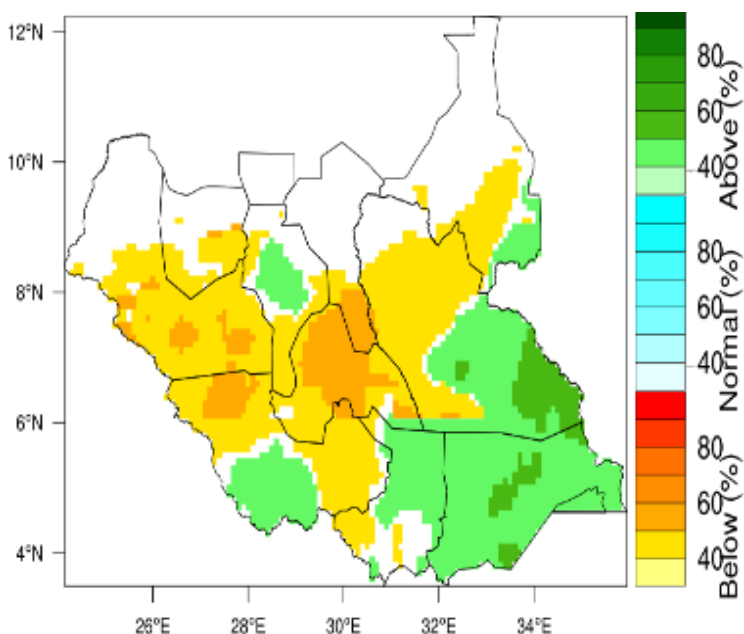
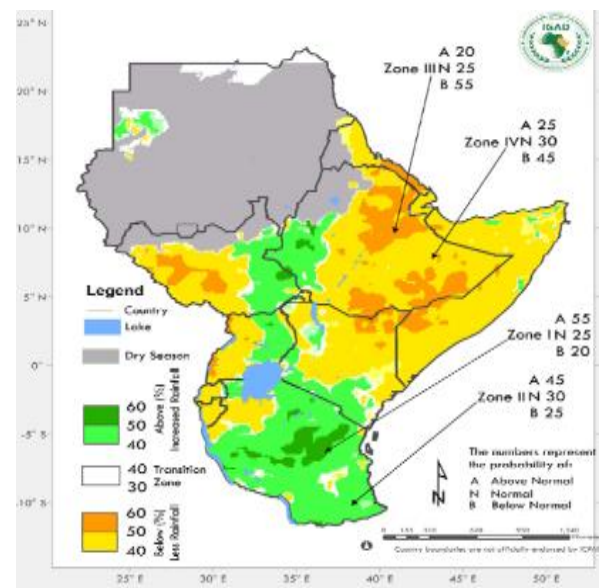


Fig.2. Rainfall outlook for MAM2025 in GHA region



B. MAM2025 Temperature Outlook in South Sudan

- Warmer than average (light red colour) Temperatures are predicted across most parts of South Sudan during MAM 2025 Season with highest temperatures expected with Prob.of 85% in Renk County in Northern Upper Nile state (Red colour) as in fig.4.Z 1 .
- Average Surface Temperatures are expected in southern parts of Easter Equatoria state during the MAM2025 Season (white coloured areas) in fig.3.

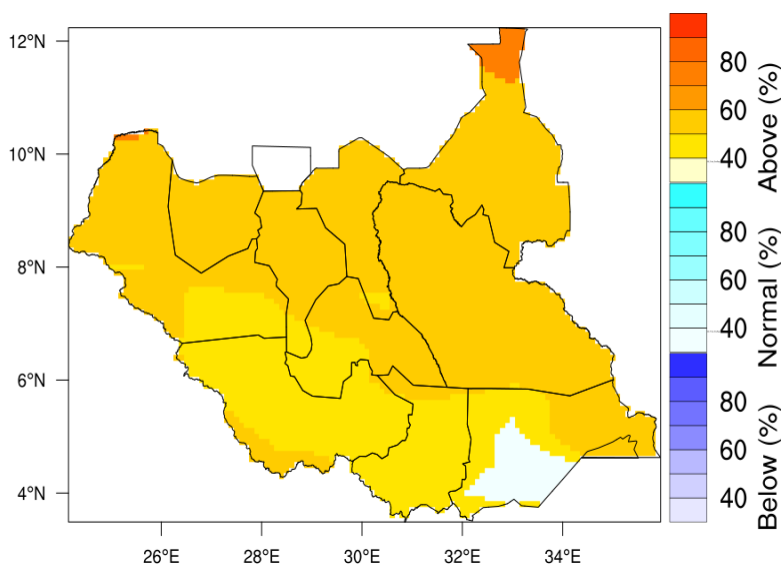


Fig.3 South Sudan Temperature Outlook for MAM2025

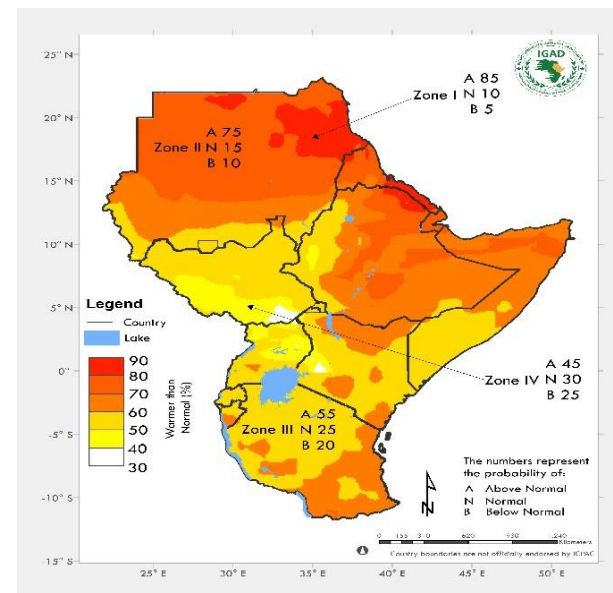


Fig.4. GHA Temperature for MAM2025

Impacts of the Season

(i) Positive Impacts of MAM2025 Rainfall

- The Normal to Above Normal Rainfall provides favourable conditions for Crops production in some parts of the country
- Improves water availability, vegetation growth for livestalk and provides fishing opportunity for fishermen in the local communities

(ii) Negative Impacts of MAM 2025 Rains

- The above Average rainfall might increase the impact of existing Floods in the affected