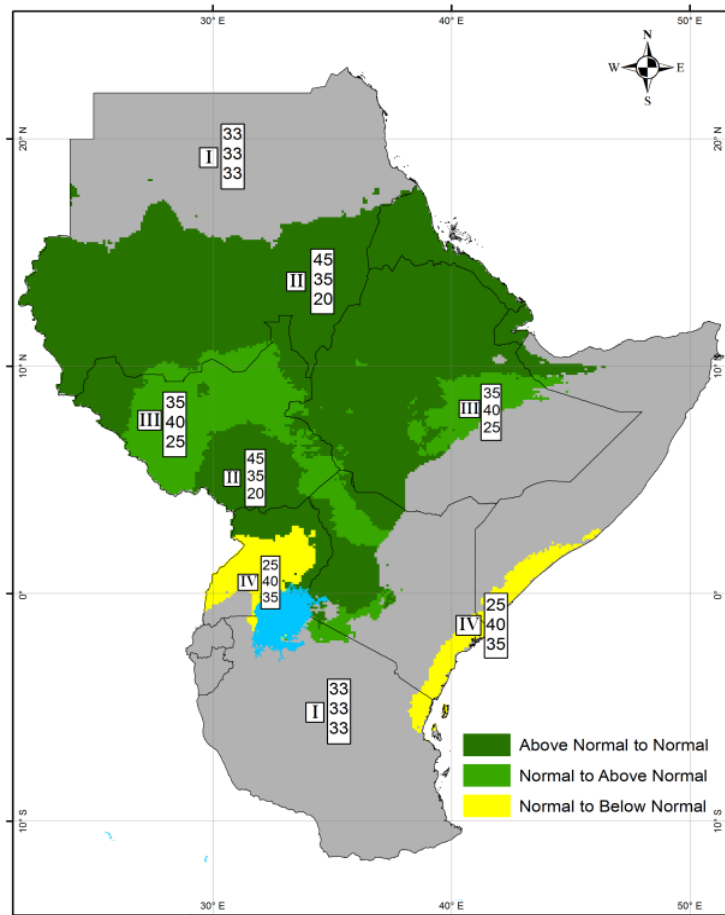




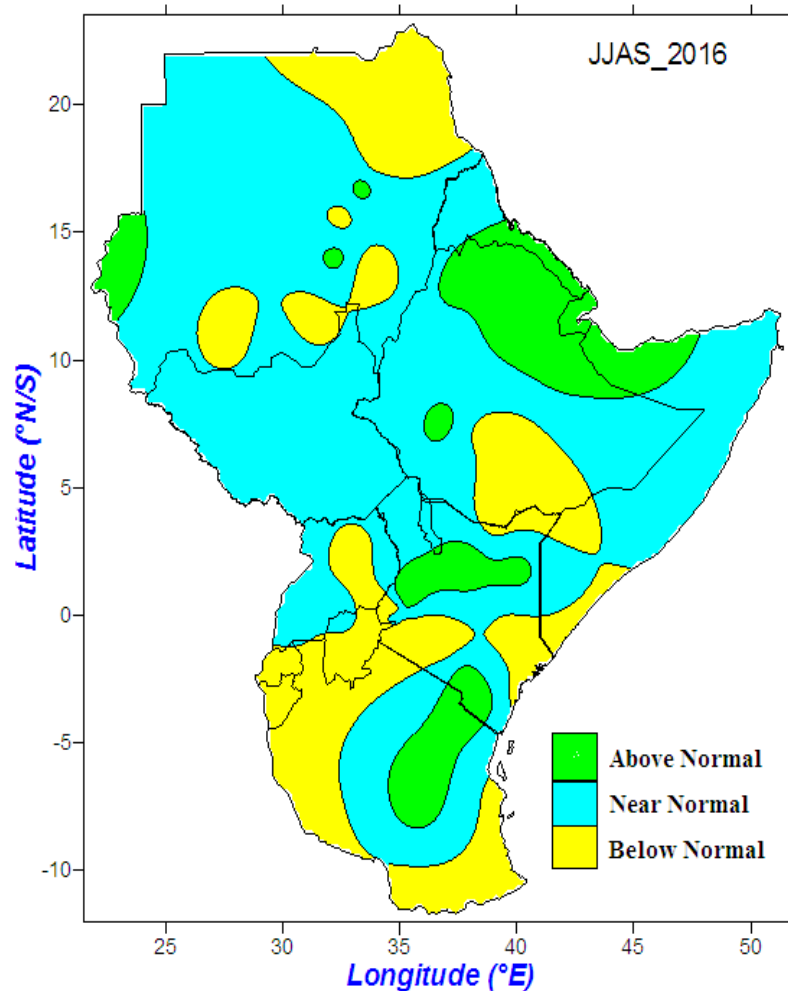
## **IGAD Climate Prediction and Applications Centre**

# **Verification of COF 43 outlook**

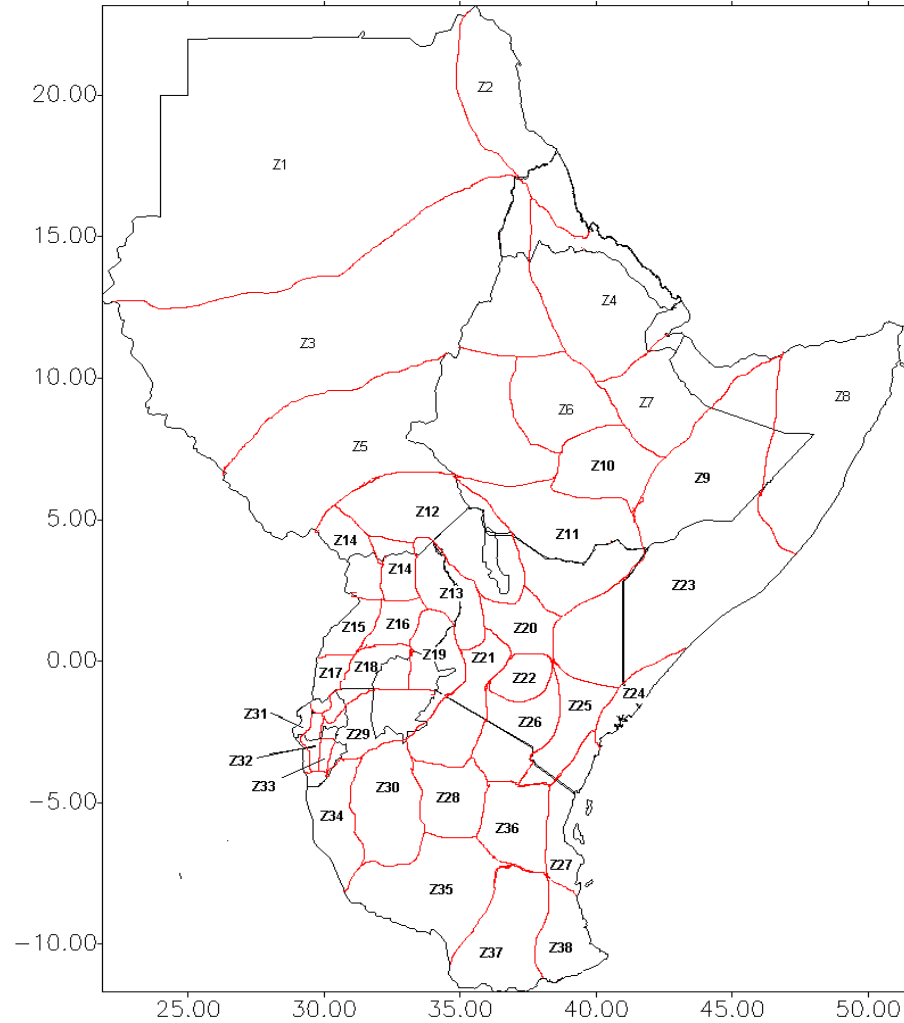
# COF 43 Consensus Climate Outlook for JJAS 2016



# Observed rainfall anomalies during JJAS 2016



# CLIMATOLOGICAL ZONES



# 1. Hit rate

The analysis of COF 43 Climate Outlook and the observed JJAS 2016 rainfall categories reveals that there were:

15 Hits and 21 Forecasts zones

Therefore,

$$\begin{aligned}\text{Hit Rate (H)} &= 15/21 \\ &= 0.71 \\ &= 71\% \text{ Hit Rate}\end{aligned}$$

## 2. Heidke Hit Skill Score

Heidke Hit Skill Score =  $(H-C)/(100-C)$

Where H is the hit rate (%)

Usually C the chance hit rate = 33.3%

But with half hits  $C=50\%$

For COF 43 therefore,

$$\begin{aligned} \text{HSS} &= (71-50)/(100-50) \\ &= 21/50 = 0.42 \\ &= 42\% \end{aligned}$$