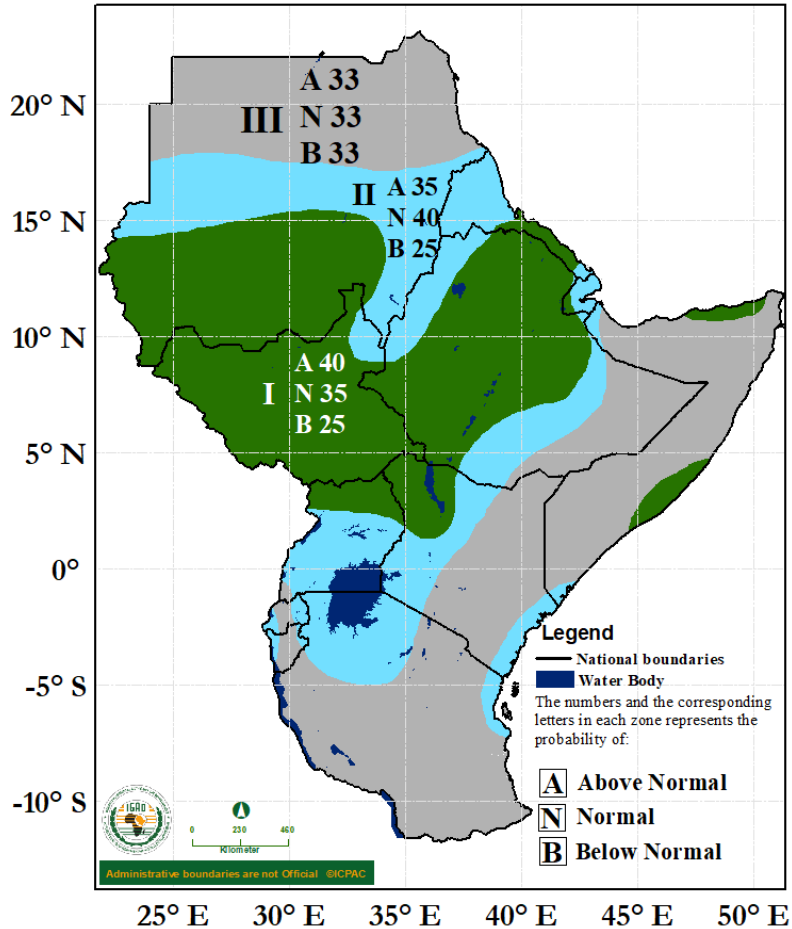




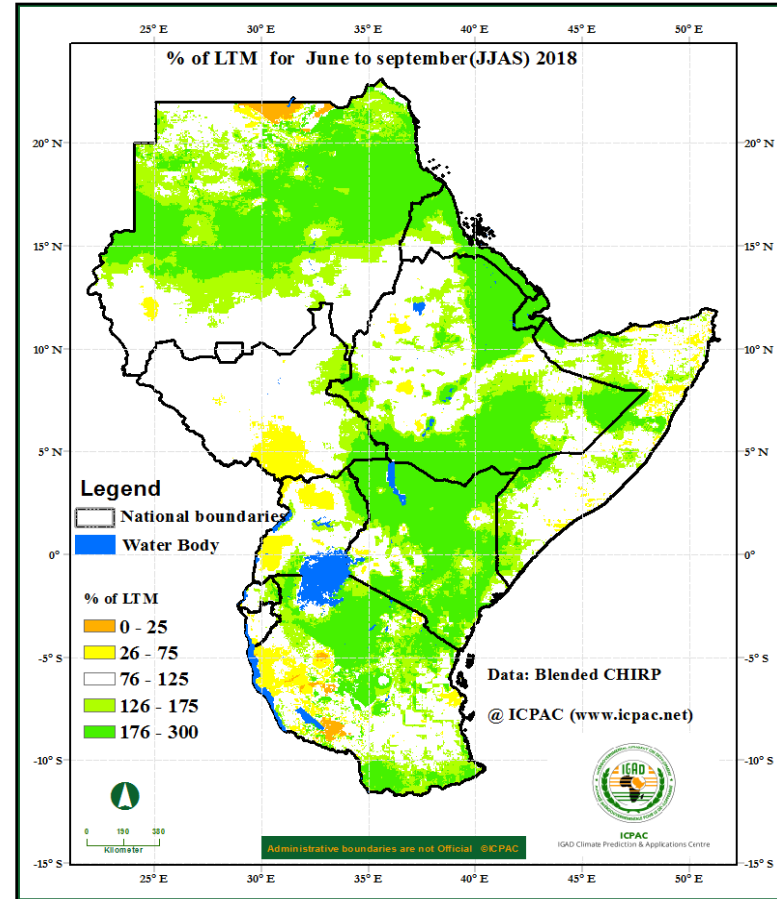
IGAD Climate Prediction and Applications Centre

Verification of COF 49 outlook

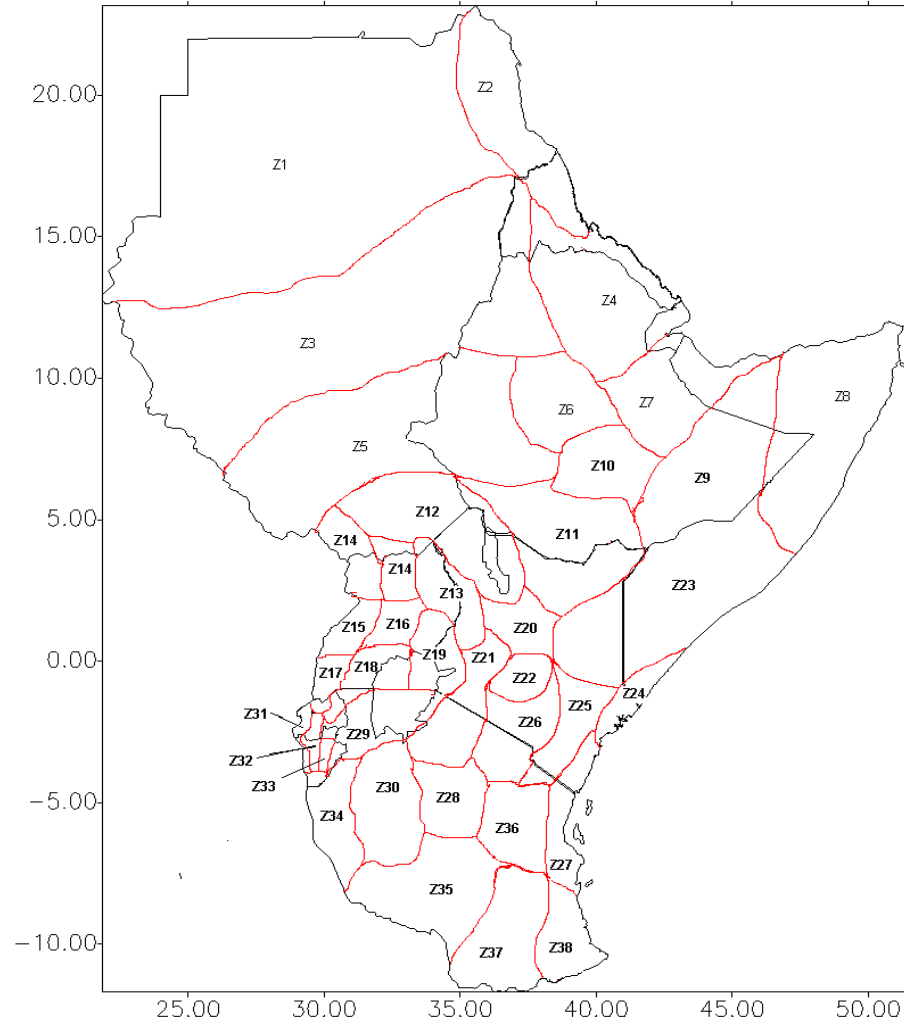
COF 49 Consensus Climate Outlook for JJAS 2018



Observed rainfall anomalies (percent of normal) during JJAS 2018



CLIMATOLOGICAL ZONES



1. Hit rate

The analysis of COF 49 Climate Outlook and the observed JJAS 2018 rainfall categories reveals that there were:

32 Hits and 45 Forecasts zones

Therefore,

$$\begin{aligned}\text{Hit Rate (H)} &= 32/45 \\ &= 0.71 \\ &= 71\% \text{ Hit Rate}\end{aligned}$$

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 49 therefore,

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