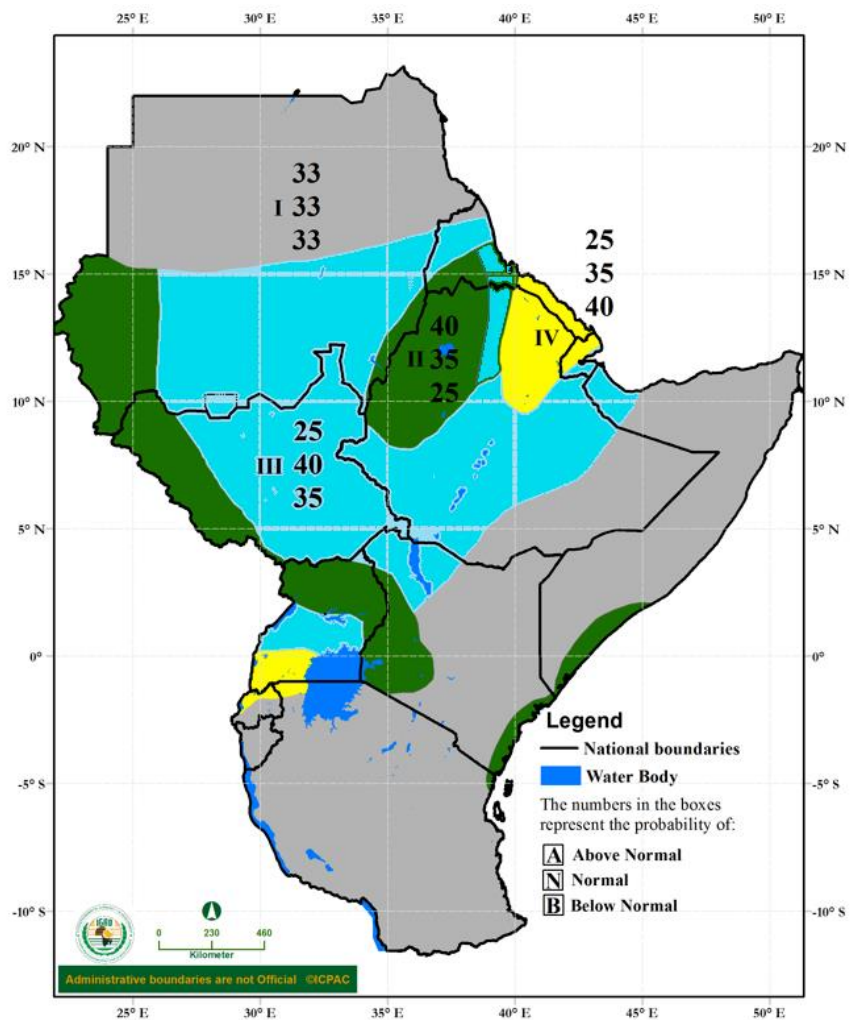




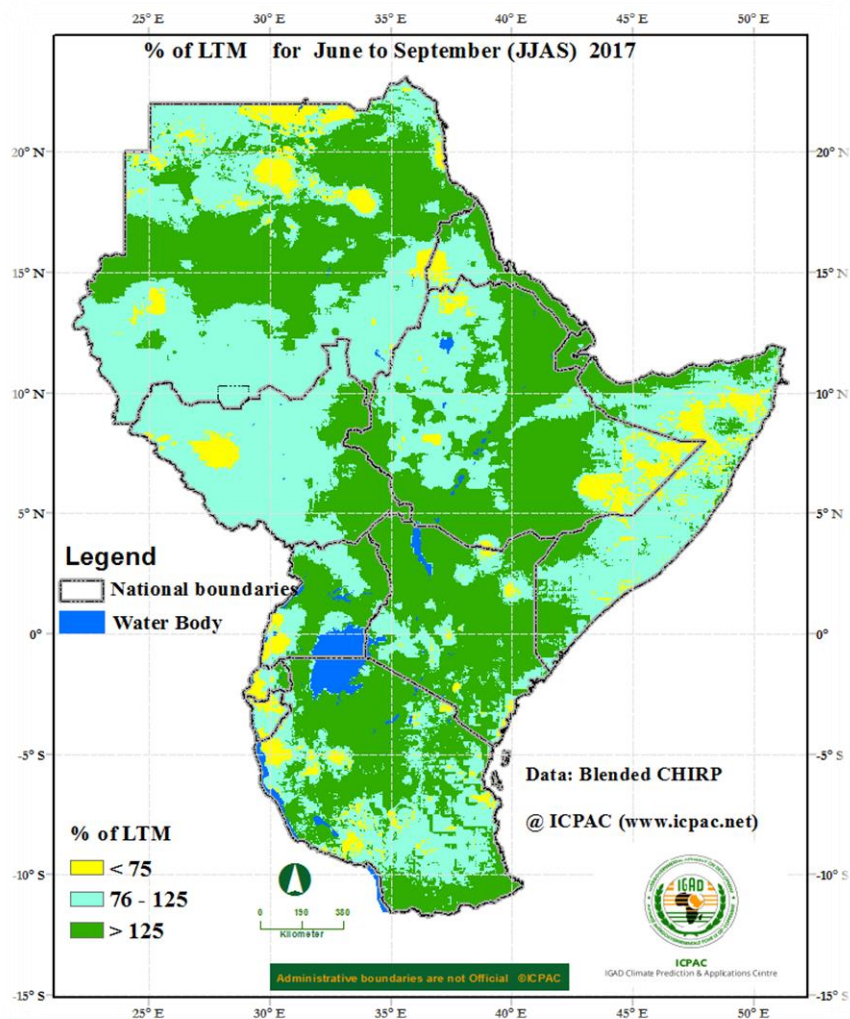
IGAD Climate Prediction and Applications Centre

Verification of COF 46 outlook

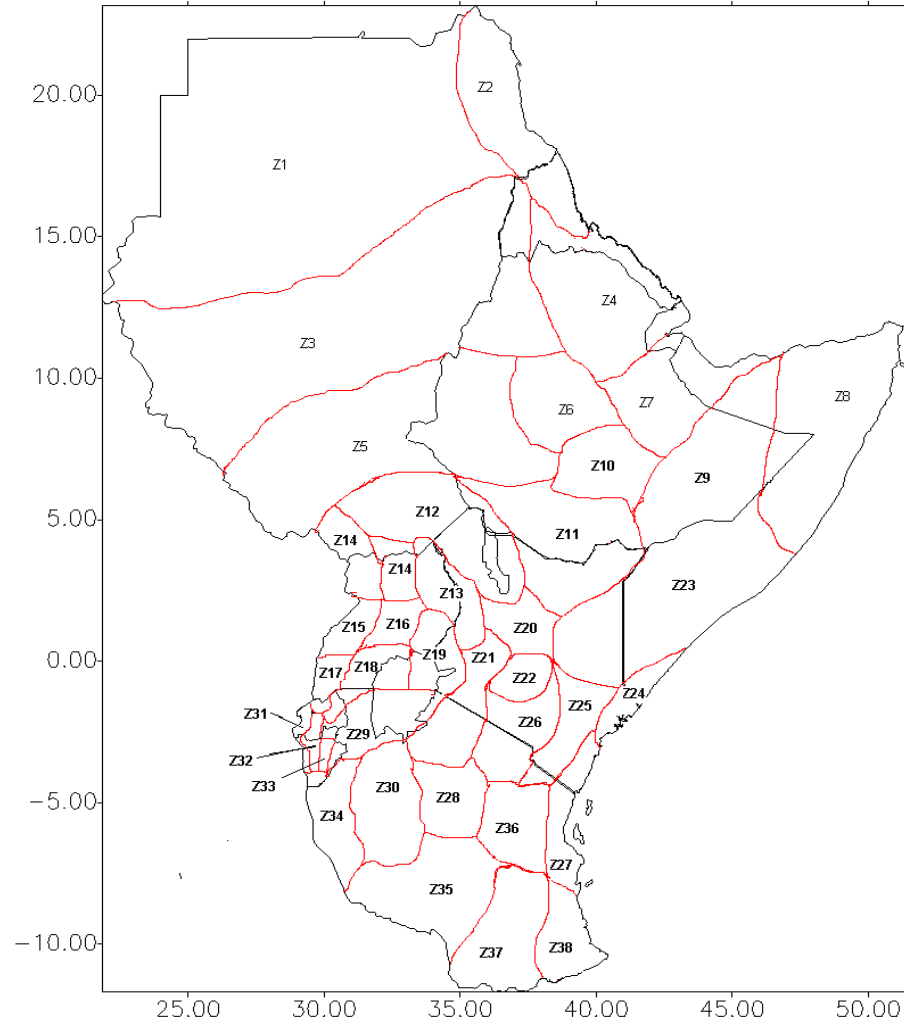
COF 46 Consensus Climate Outlook for JJAS 2017



Observed rainfall anomalies (percent of normal) during JJAS 2017



CLIMATOLOGICAL ZONES



1. Hit rate

The analysis of COF 46 Climate Outlook and the observed JJAS 2017 rainfall categories reveals that there were:

19 Hits and 33 Forecasts zones

Therefore,

$$\begin{aligned}\text{Hit Rate (H)} &= 19/33 \\ &= 0.576 \\ &= 57.6\% \text{ Hit Rate}\end{aligned}$$

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 46 therefore,

$$\begin{aligned} \text{HSS} &= (57.6-50)/(100-50) \\ &= 7.6/50 = 0.15 \\ &= 15\% \end{aligned}$$