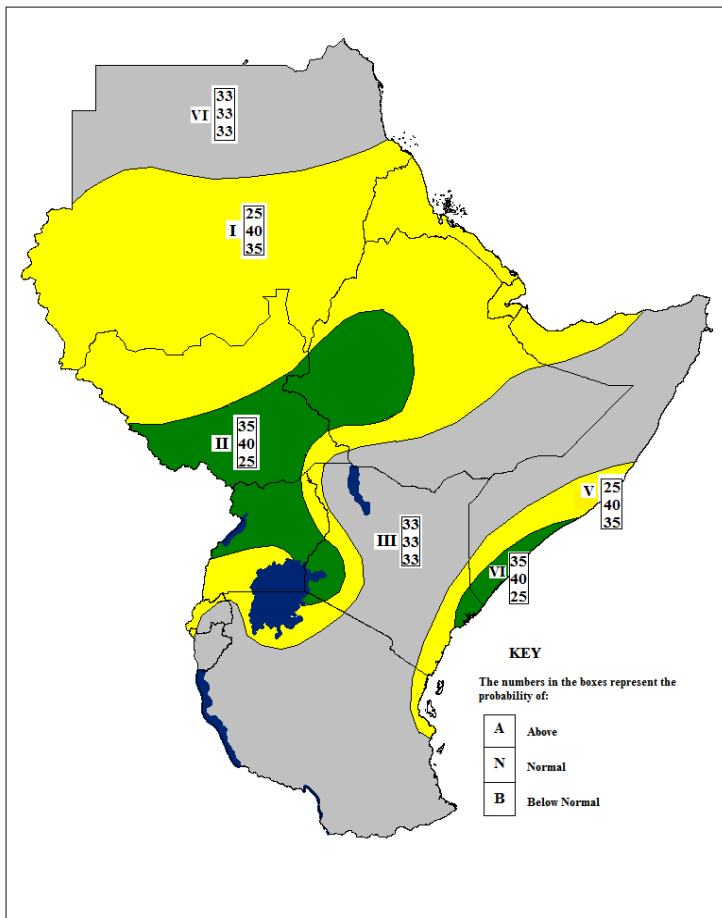




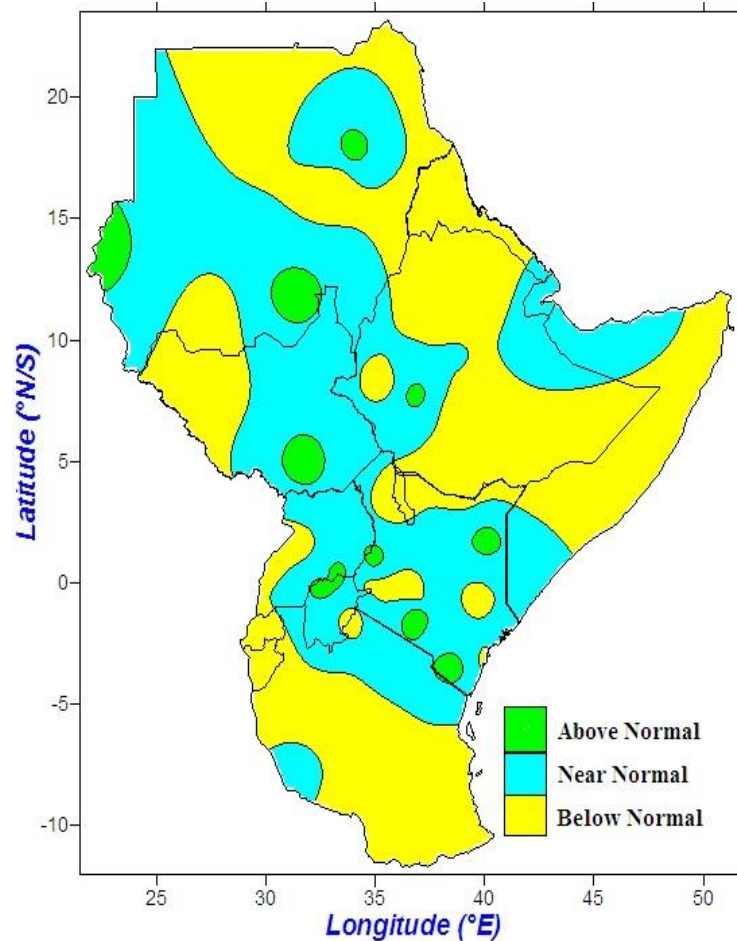
IGAD Climate Prediction and Applications Centre

Verification of COF 40 outlook

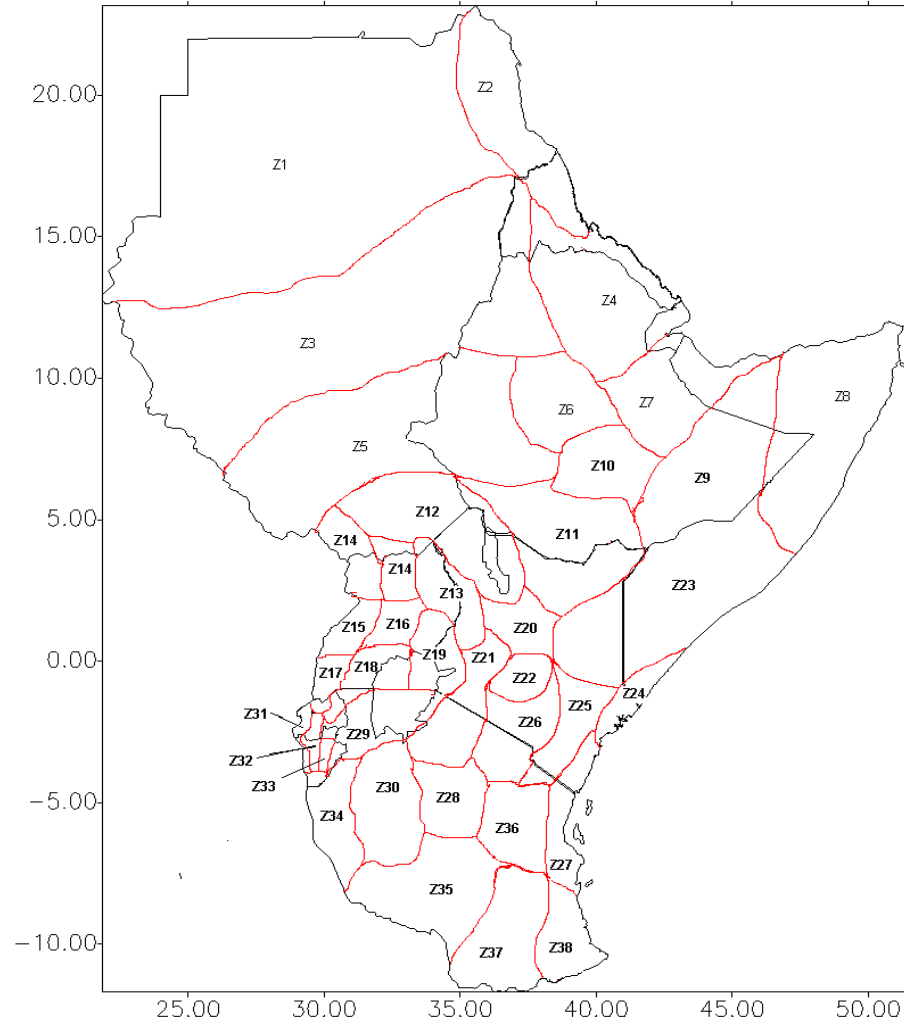
COF 40 Consensus Climate Outlook for JJA2015



Observed rainfall anomalies during JJA 2015



CLIMATOLOGICAL ZONES



1. Hit rate

The analysis of COF 40 Climate Outlook and the observed JJA 2015 rainfall categories reveals that there were:

25 Hits and 32 Forecasts zones

Therefore,

$$\begin{aligned}\text{Hit Rate (H)} &= 25/32 \\ &= 0.78 \\ &= 78\% \text{ Hit Rate}\end{aligned}$$

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 40 therefore,

$$\begin{aligned} \text{HSS} &= (78-50)/(100-50) \\ &= 28/50 = 0.56 \\ &= 56\% \end{aligned}$$