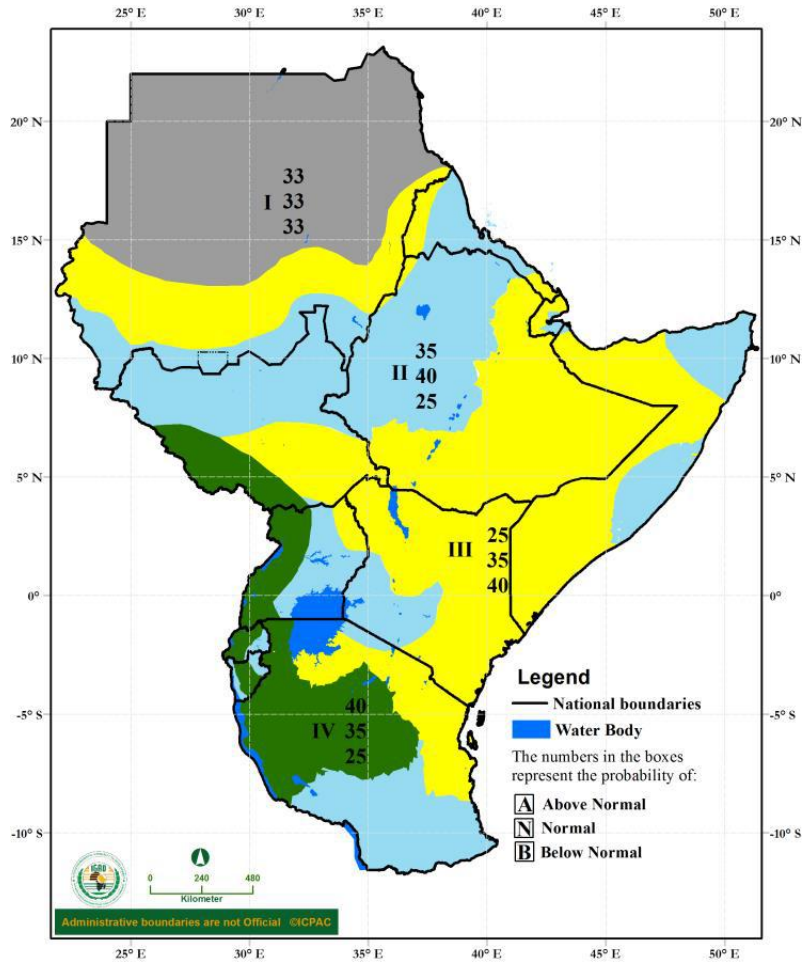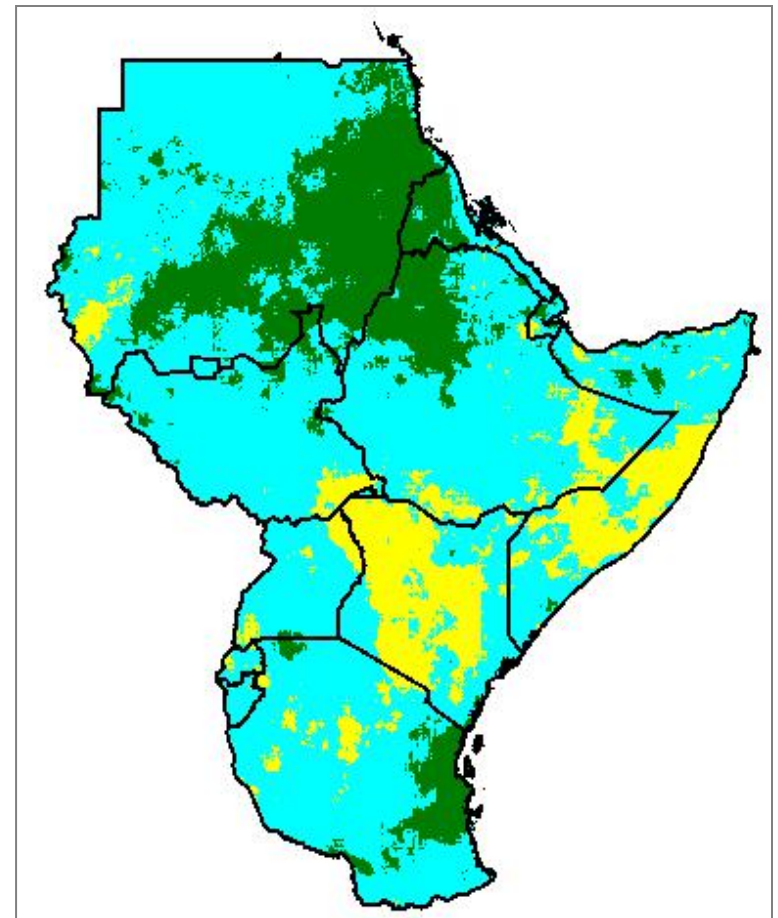**IGAD Climate Prediction and Applications Centre**

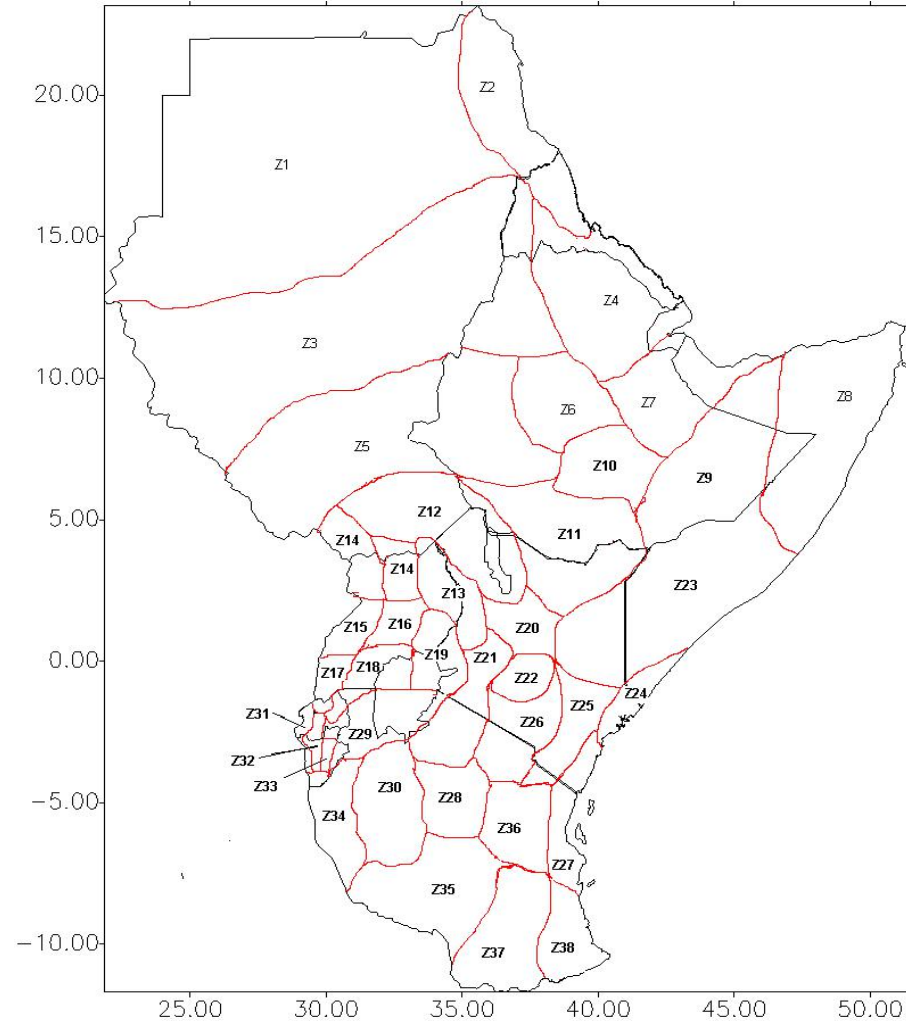# Verification of COF 45 outlook

COF 45 Consensus Climate Outlook for MAM 2017

Observed rainfall anomalies (percent of normal) during MAM 2017

CLIMATOLOGICAL ZONES

1. Hit rate

The analysis of COF 45 Climate Outlook and the observed MAM 2017 rainfall categories reveals that there were:

36 Hits and 51 Forecasts zones

Therefore,

$$\text{Hit Rate (H)} = 35.5/51$$

$$= 0.696$$

$$= 69.6\% \text{ Hit Rate}$$

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,

HSS = (69.6-50)/(100-50)

$\qquad$ = 19.6/50 =0.39

$\qquad$ =39%