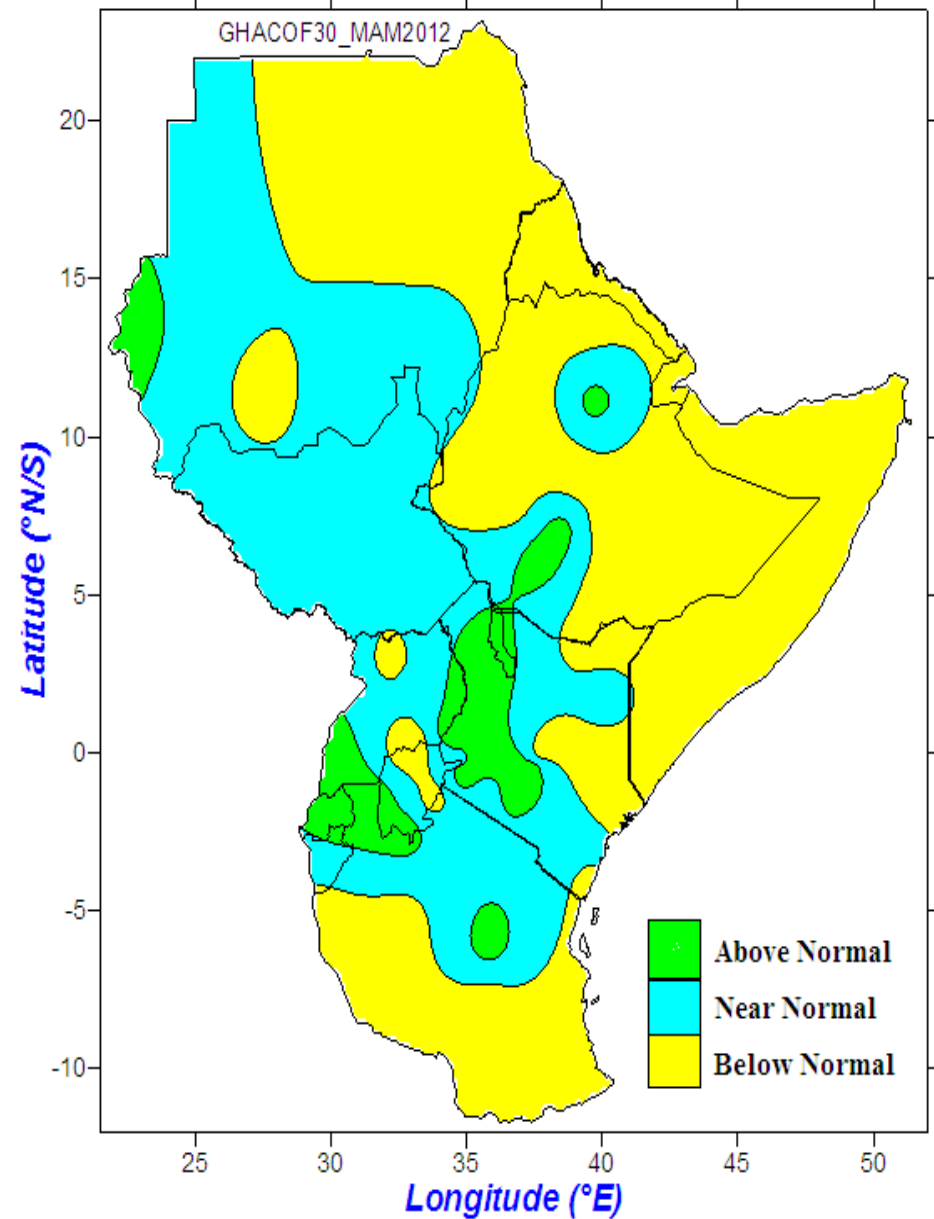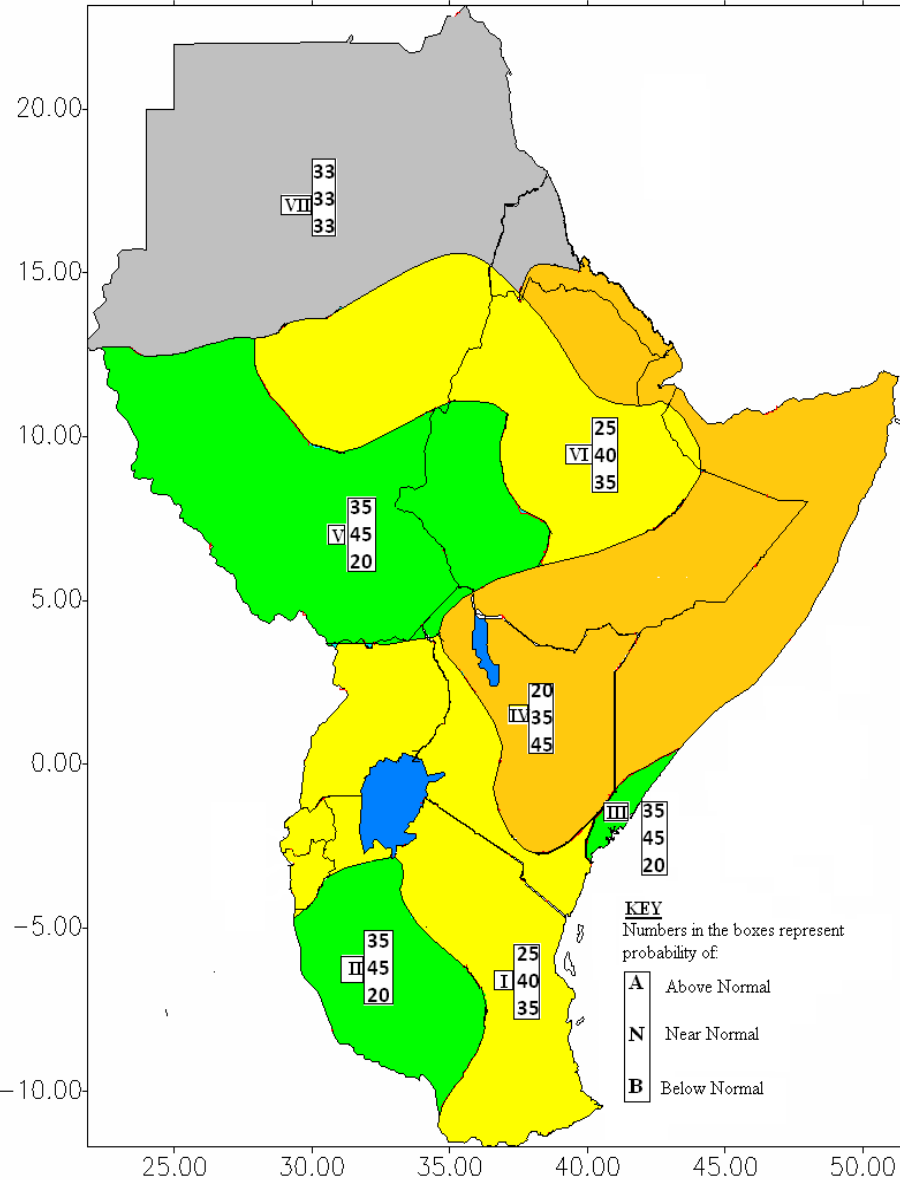**IGAD Climate Prediction and Applications Centre**

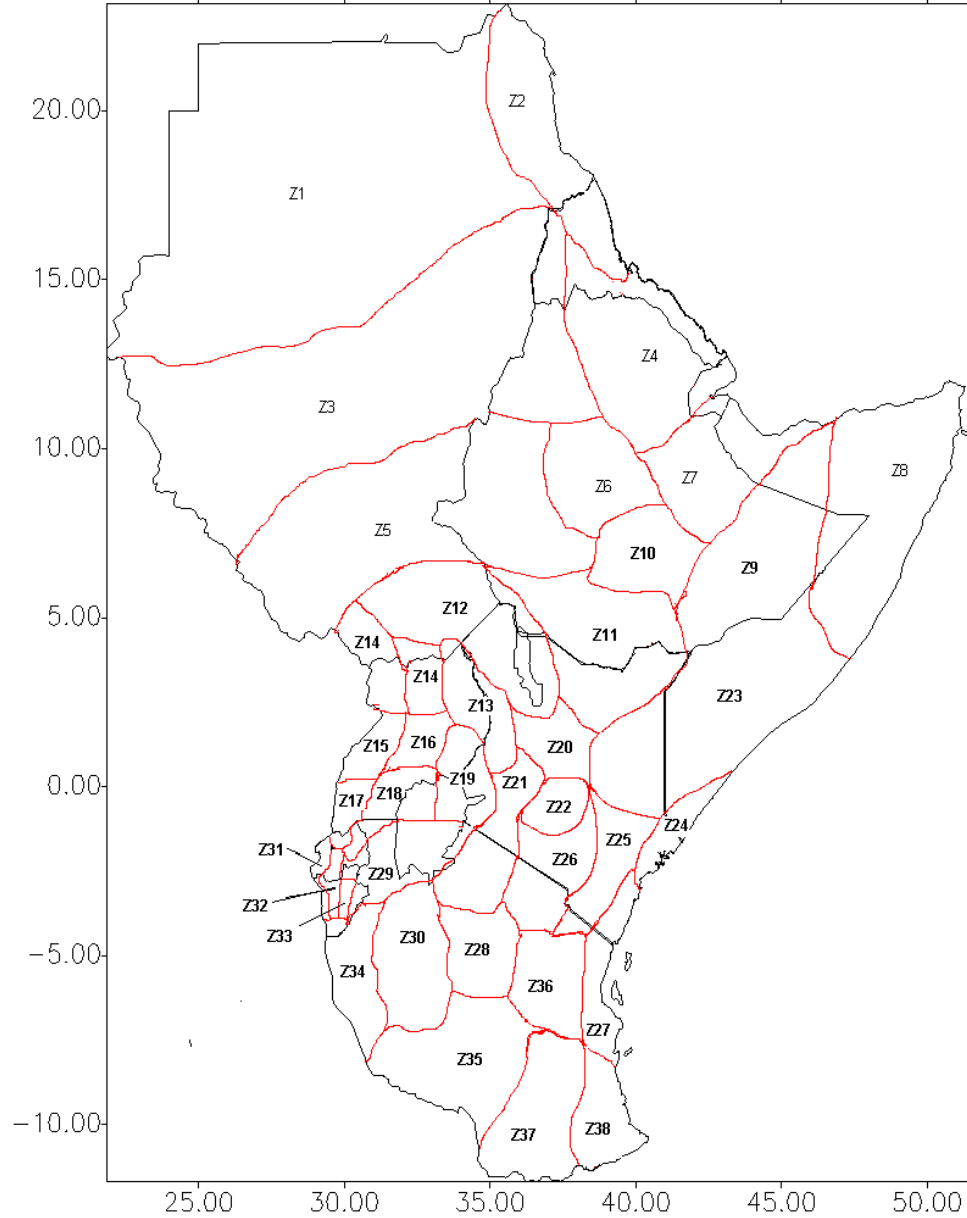# Verification of COF 30 outlook

COF 30 Consensus Climate Outlook for March to May 2012

Observed rainfall anomalies during March to May 2012

GHACOF30_MAM2012

KEY
Numbers in the boxes represent probability of:

A	Above Normal
N	Near Normal
B	Below Normal

Above Normal
Near Normal
Below Normal

CLIMATOLOGICAL ZONES

1. Hit Rate

The analysis of COF 30 Climate Outlook and the observed MAM 2012 rainfall categories reveals that there were:

21 Hits and 37 Forecasts zones

Therefore,

$$\text{Hit Rate (H)} = 21/37$$
$$= 0.57$$
$$= 57\% \text{ Hit Rate}$$

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 30 therefore,

HSS = (57-50)/(100-50)

$\quad\quad\quad$ = 7/50 = 0.14

$\quad\quad\quad\quad\quad\quad$ = 14%