



## ***AFRICAN REGIONAL CLIMATE CENTRE***

### **DEMONSTRATION PHASE**

**LONG RANGE FORECAST PRODUCT FOR AFRICA  
VALID FOR SEPTEMBER-OCTOBER-DECEMBER  
AND OCTOBER-NOVEMBER-DECEMBER  
2013 SEASONS  
ISSUED ON August 31, 2013**

#### **Highlights**

- Above average near surface air temperature is very likely over much of the eastern part of North Africa from September to November 2013;
- Above average precipitation is very likely over the coastal parts of the Western Mediterranean zone including much of Morocco;
- Above to well above average precipitation is very likely around Lake Chad and much of southern half of Chad; over much of central and western Sahel from western Niger to southeastern Mauritania; over coastal Senegal and Mauritania from September to November 2013;
- Below average precipitation is very likely over Guinea-Conakry, Sierra Leone, Liberia, Central and southern Tanzania, northern Zambia and Mozambique as well as Malawi.

#### **Advices**

- survey for heavy precipitation and high flows that may cause flooding over river basins in the Sahel;
- increased survey for locust infestation over Sahel;
- survey for precipitation deficits in southern half of Tanzania, northern Zambia/Mozambique and much of Malawi;
- survey for high flows along the Nile river from Uganda to Sudan and Ethiopia.

## ***RECENT SST CONDITIONS AND OUTLOOK***

- From May to August 2013, near neutral conditions were observed over the ENSO region with below average SSTs over the Eastern Equatorial Pacific. Most models and expert assessments are indicating persistence of near average SSTs in the main ENSO region during the coming few months with below average conditions over the Eastern Equatorial Pacific.
- The tropical north Atlantic has been neutral to warm in July and August 2013. Most models outputs and expert assessments are favorable for a development toward near neutral conditions during the coming months over much of the area.
- The equatorial Atlantic has been mostly neutral to cold in July and August 2013. This pattern is expected to be near neutral over much of the area.
- Near neutral conditions have been recorded over the tropical South Atlantic in July and August 2013. This pattern is expected to persist over much of the area during the coming few months.
- Cold conditions characterized the tropical Western Indian Ocean near the coast of East Africa during the past few months 2013. An evolution toward near neutral conditions is more likely over much of the area.
- Over the eastern side of the tropical Indian Ocean warm conditions were observed in July and August 2013. Expert assessments and model outputs suggest a persistence of this pattern during the coming few months.
- The Western Mediterranean has been near neutral to cold and the Eastern side has been near neutral to warm during July and August 2013. A persistence of this pattern is more likely during the coming months.

Given these SST anomalies, sub-surface temperature patterns and trends, knowledge and understanding of seasonal climate variability in Africa, and available long range forecasts products, the following outlooks are provided for September-October-November (SON) and October –November-December (OND) 2013 seasons across Africa (see figures below):

- Above average near surface air temperature is very likely over much of the eastern and western parts of North Africa from September to November 2013;

-Above average precipitation is very likely over the coastal parts of the Western Mediterranean zone from September to December 2013;

- Above to well above average precipitation is very likely around Lake Chad and much of southern half of Chad; over much of central Sahel from western Niger to

southeastern Mauritania; over coastal Senegal and Mauritania from September to November 2013;

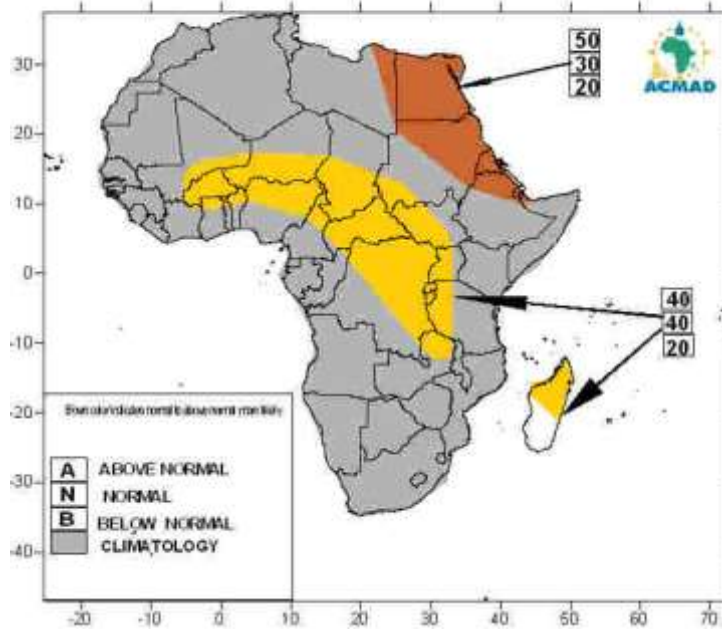
- Below average precipitation is very likely from September to December 2013 over Guinea-Conakry, Sierra Leone, Liberia, Central and southern Tanzania, northern Zambia and Mozambique, Malawi.

### ***SUBSEASONAL PRECIPITATION VARIABILITY***

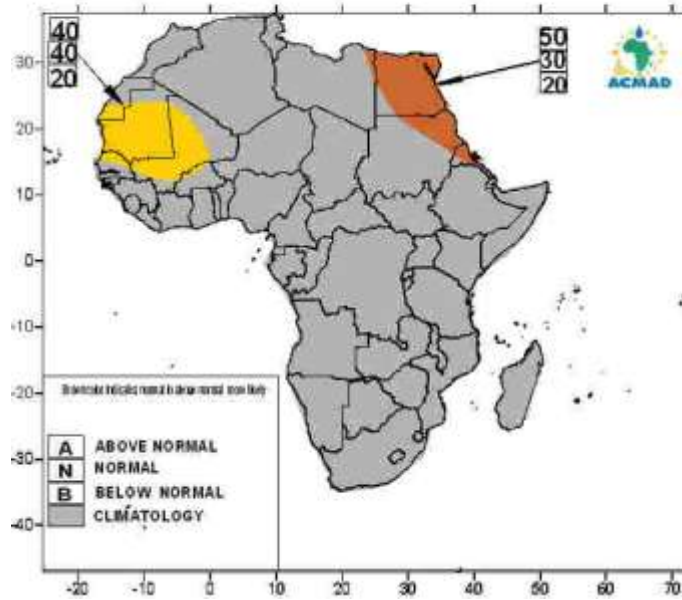
With the expected ENSO neutral conditions and weak SST anomalies over other equatorial ocean basins, sub seasonal oscillations (MJO and tropical/sub-tropical or mid latitude inter-actions) are likely to be active disrupting normal precipitation distribution during the coming season with bursts and breaks in the monsoon and related precipitation.

NB: Users are advised to seek more detailed climate information on the distribution of precipitation during the season, impacts and action options from National Meteorological and Hydrological Services and ACMAD website ([www.acmad.net/www.acmad.org](http://www.acmad.net/www.acmad.org)).

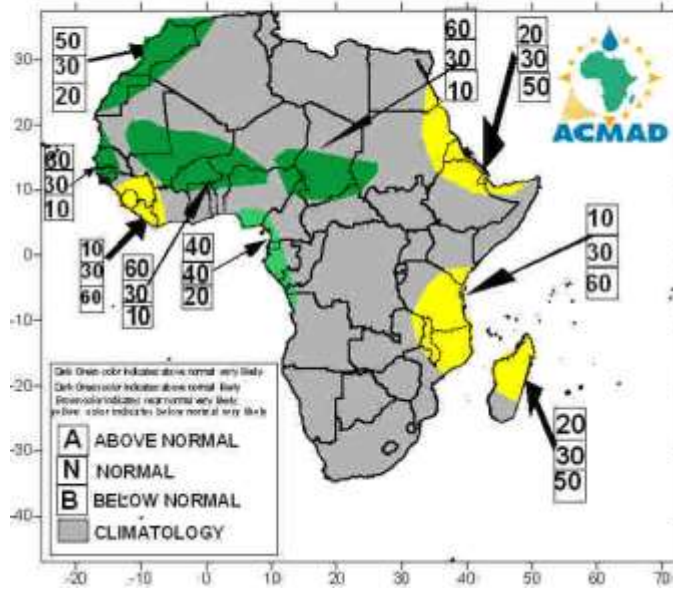
**SEASONAL TEMPERATURE FORECAST**  
**FOR SEPTEMBER-OCTOBER-NOVEMBER 2013**  
**ISSUED ON AUGUST 31 2013**



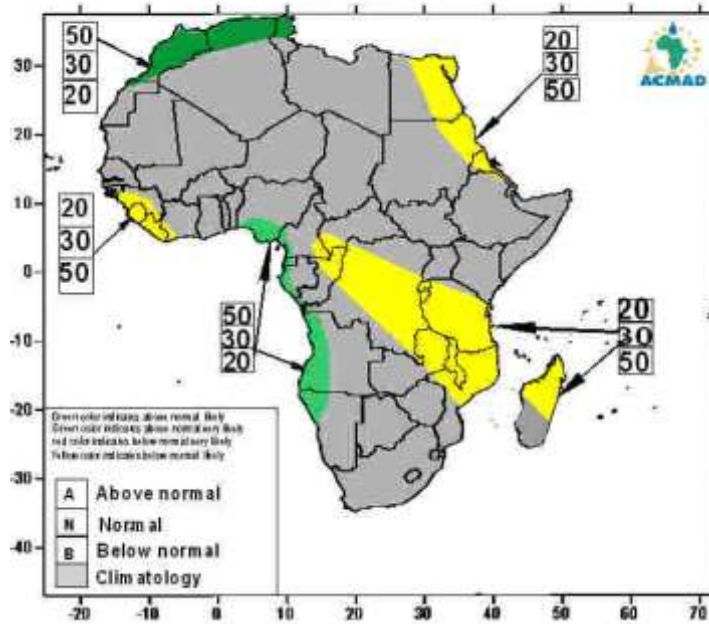
**SEASONAL TEMPERATURE FORECAST**  
**FOR OCTOBER-NOVEMBRE-DECEMBRE 2013**  
**ISSUED ON AUGUST 31 2013**



**SEASONAL PRECIPITATION FORECAST  
FOR SEPTEMBER-OCTOBER-NOVEMBER 2013  
ISSUED ON AUGUST 31, 2013**



**SEASONAL PRECIPITATION FORECAST  
FOR OCTOBER-NOVEMBER-DECEMBER 2013  
ISSUED ON AUGUST 31 2013**



# VIGILANCE MAP VALID FOR SEPTEMBER-OCTOBER-NOVEMBER 2013

