



REGIONAL CLIMATE OUTLOOK FORUM

PRESANORD-08

Algiers-Algeria from 20th to 24th March, 2015



THEME: "Seasonal Climate Forecasts: a climate service for resilience and risk reduction in North Africa"

SEASONAL CLIMATE OUTLOOK BULLETIN
VALID FOR MARCH-APRIL-MAY 2 AND APRIL-MAY-JUNE 2015
OVER NORTH AFRICA,
(ALGIERS-ALGERIA, 22th MARCH 2015)

Produced by

The African Centre of Meteorological Applications for development (ACMAD) in collaboration with National Meteorological and Hydrological Services of north African countries with support of WMO designated Global Producing Centers for Long Range Forecasts and the International Research Institute for Climate & Society at Columbia University in New-York USA.

This is a product of the Institutional Support to African Climate Institution Project (ISACIP) funded by the African Development Bank group.

1

RECENT CLIMATE CONDITIONS AND OUTLOOK

ACMAD: 8th Edition of Seasonal Climate Outlook Forum for north Africa (Algiers, 20-24 March 2015)

I- STATE OF THE GLOBAL OCEANS AND TRENDS

Studies have shown that climate variability over north Africa for March-May and April-June seasons are modulated by seas surface temperatures.

- Above average sea surface temperatures were observed over the ENSO region over the past months. An El Nino situation is present in the equatorial Pacific Sea Surface Temperatures. Models outputs and experts judgments are favorable for an El Nino of weak to moderate intensity during the coming months.
- Since December 2014, sea surface temperatures of the Tropical North Atlantic off the coasts from West Africa to Morocco have been cooling leading to below average conditions well established in February and March 2015. Most models outputs and expert judgment are favorable for a persistence of cooler than average conditions during the coming few months over this region.
- The Seas surface temperatures of the Mediterranean Sea have been cooling from January to March 2015. Models outputs and expert judgment support below to near average conditions over the Mediterranean Sea for the coming months.

II- PRECIPITATION AND TEMPERATURE OUTLOOK

Given these SST anomalies, sub-surface temperature patterns and trends, knowledge and understanding of seasonal climate variability over North Africa, and available long range forecasts products, the following outlooks are provided for March-April-May and April-May-June 2015 seasons in the region (see figures 1 to 4 below):

- **Near to below average precipitation** is likely over northern Morocco from March to May (Figure I);
- **Above average precipitation** is very likely over coastal parts of northeastern Algeria and northern Tunisia from March to June (figure III);
- **Above average near surface air temperature is very likely over** is very likely over Morocco and much of Algeria from March to May (Figure II) with extension to Western Libya from April to June (Figure IV);
- For the remaining areas of the domain, **near average temperatures and precipitation** conditions are expected.

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.org).

ADVICES

Given precipitation performance and trends over coastal Algeria and Tunisia, excess moisture and water is very likely in the area. Agriculture, disaster risk reduction and water sectors are encouraged to assess impacts and provide adaptation measures to relevant stakeholders.

**SEASONAL PRECIPITATION FORECAST
VALID FOR MARCH-APRIL-MAY 2015
ISSUED ON MARCH 23 2015**

**PREVISION CLIMATIQUE SAISONNIERE DES PRECIPITATIONS
VALIDE POUR MARS-AVRIL-MAI 2015
ELABOREE LE 23 MARS 2015**

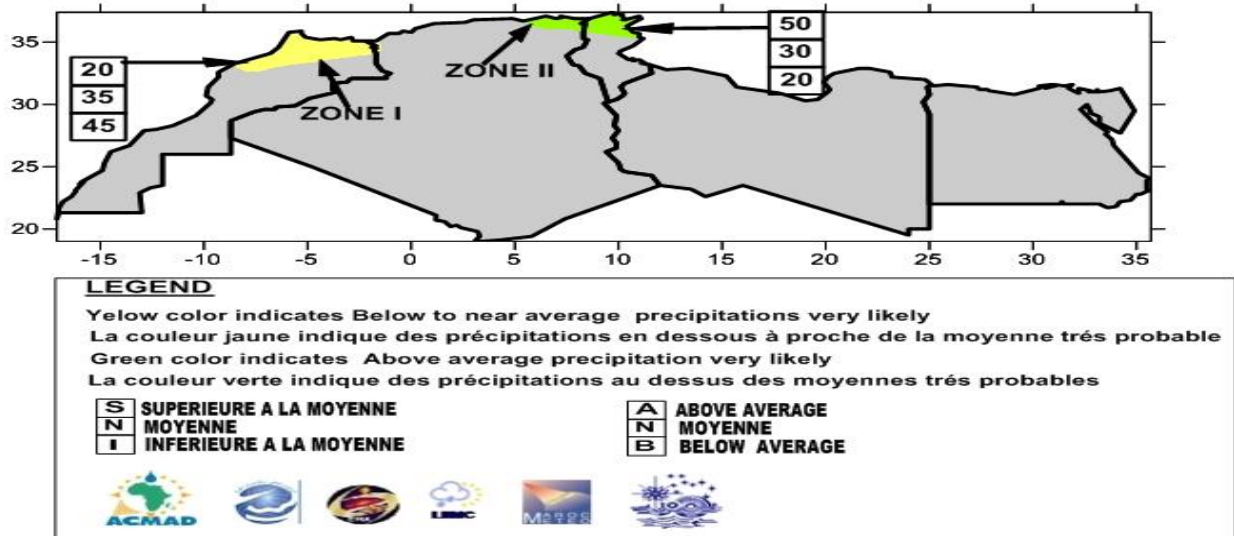


Figure 1: Seasonal precipitation forecasts for MAM 2015

**SEASONAL TEMPERATURE FORECAST
VALID FOR MARCH-APRIL-MAY 2015
ISSUED ON MARCH 23 2015**

**PREVISION CLIMATIQUE SAISONNIERE DESTEMPERATURES
VALIDE POUR MARS-AVRIL-MAI 2015
ELABOREE LE 23 MARS 2015**

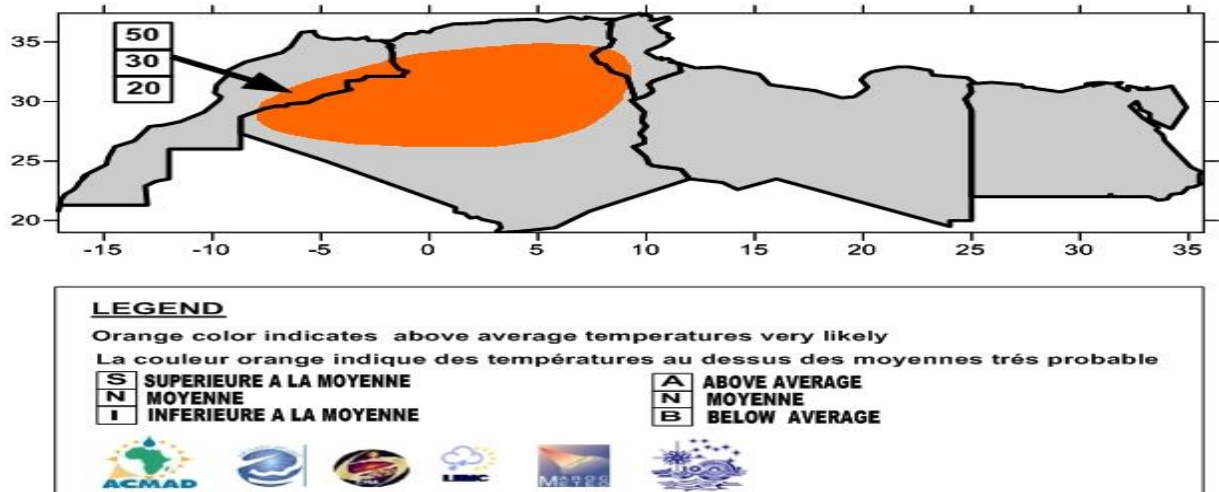


Figure 2: Seasonal Temperature forecasts for MAM 2015

**SEASONAL PRECIPITATION FORECAST
VALID FOR APRIL-MAY-JUNE 2015
ISSUED ON MARCH 23 2015**

**PREVISION CLIMATIQUE SAISONNIERE DES PRECIPITATIONS
VALIDE POUR AVRIL-MAI-JUIN 2015
ELABOREE LE 23 MARS 2015**

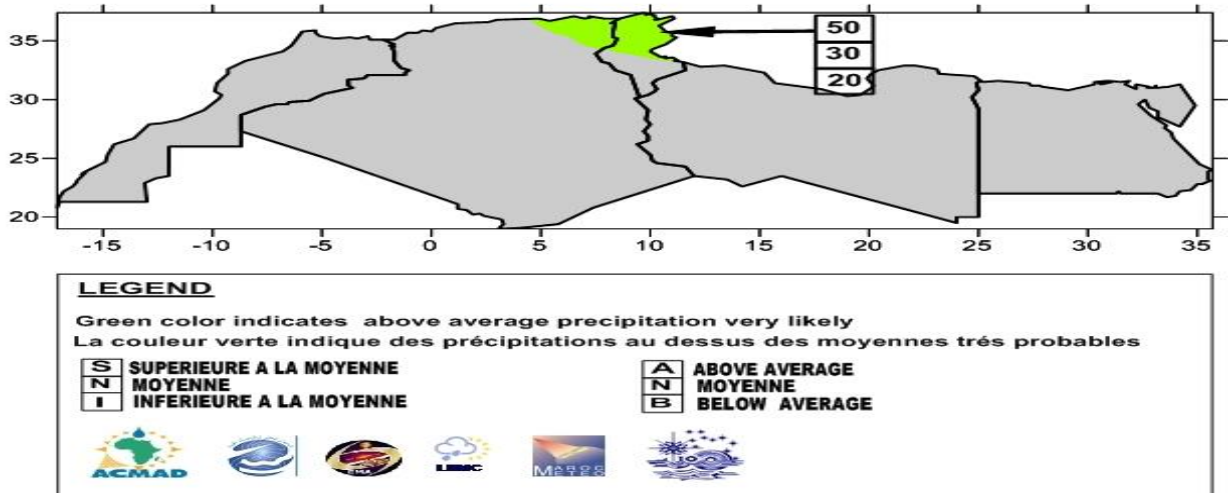


Figure 3: Seasonal precipitation forecasts for AMJ 2015

**SEASONAL TEMPERATURE FORECAST
VALID FOR APRIL-MAY-JUNE 2015
ISSUED ON MARCH 23 2015**

**PREVISION CLIMATIQUE SAISONNIERE DE TEMPERATURES
VALIDE POUR AVRIL-MAI-JUIN 2015
ELABOREE LE 23 MARS 2015**

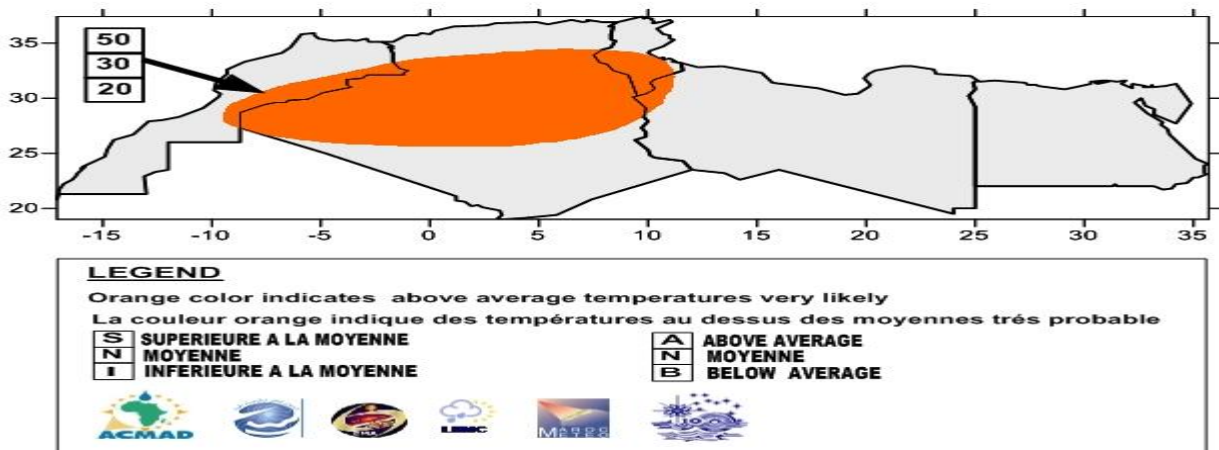


Figure 4: Seasonal Temperature forecasts for AMJ 2015

This outlook is produced at the regional scale. Thus, its interpretation should be for regional use. For local and/or country adaptation and applications needs, it is highly recommended to consult the National Meteorological and Hydrological Services for local details.