



## **PRESANORD-13**

### **CONSENSUAL SEASONAL OUTLOOK OVER NORTHAFRICA FOR DECEMBER JANUARY FEBRUARY 2019/20 Jeddah, Saudi Arabia, November 27, 2019**

Consensual seasonal forecast for DJF2019/20 season over North Africa countries is based on known teleconnections of large and regional patterns as well as on the outputs from dynamical and statistical models.

#### **I. RECENT CLIMATE CONDITIONS AND OUTLOOK**

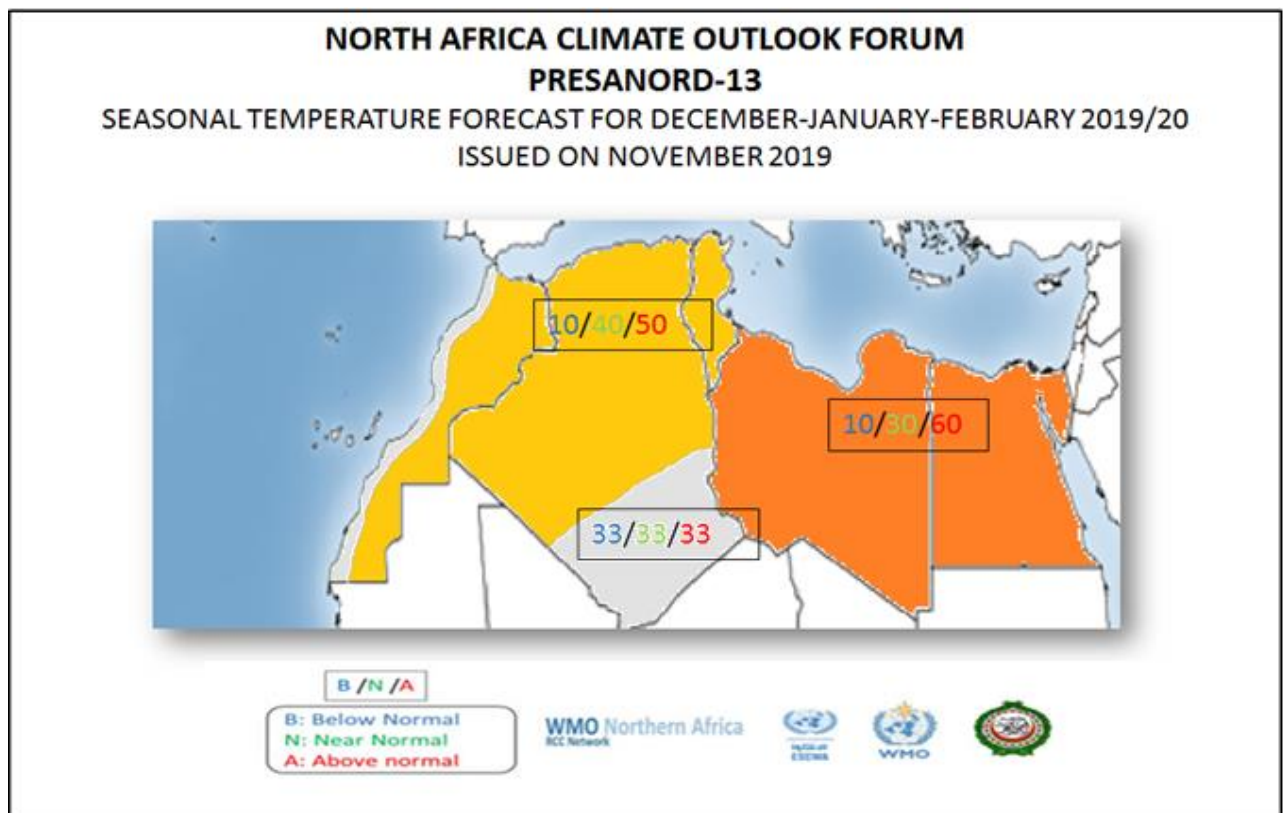
Observed sea surface temperatures and forecast for the coming three months show neutral ENSO conditions with most models showing high agreement for the evolution of ocean conditions. The Indian Ocean Dipole (IOD) is main driver showing a clear signal with strong positive phase (warm anomalies over western tropical Indian Ocean and cold anomalies over the East), influencing the atmospheric circulation. Consequently, this positive phase translates to drier than normal signal over the Maritime Continent and Australia and wetter than normal conditions over eastern Africa. Most models tend to show teleconnections with IOD foreseen towards Middle East and Central Asia. As continuation of previous forecasts, models show good agreement on favour of positive phases of East Atlantic (EA) and North Atlantic Oscillation NAO (which are two main modes of variability over the Atlantic), possibly linked with the strong IOD positive signal. It is worth noting that seasonal forecast give average tendencies for a season and in some cases sub-seasonal fluctuations can prevail.

## II. SEASONAL OUTLOOK

Given oceanic and atmospheric patterns, knowledge and understanding of seasonal climate variability and available long range forecasts products, the following outlook is provided for December-January-February 2019/20 season across North Africa. The following maps show the probabilistic consensus forecast for 3 categories of anomalies for seasonal mean temperature and precipitation.

### 1. Temperature:

Temperatures are expected to be likely normal to above normal over almost entire North-Africa including most of Morocco, Algeria and Tunisia, with very likely warm conditions over Egypt and Libya. No special scenario is given for the coastal part of Morocco, South-East Algeria (see figure 1).



**Figure 1: Seasonal Temperature Forecast over North Africa for DJF2019/**

## 2. Precipitation:

Total precipitation is expected to be normal to below normal over Northwest Africa domain (Morocco, Northern Algeria and Tunisia). No prevailing scenario is given for the remaining part of the region (see figure 2).

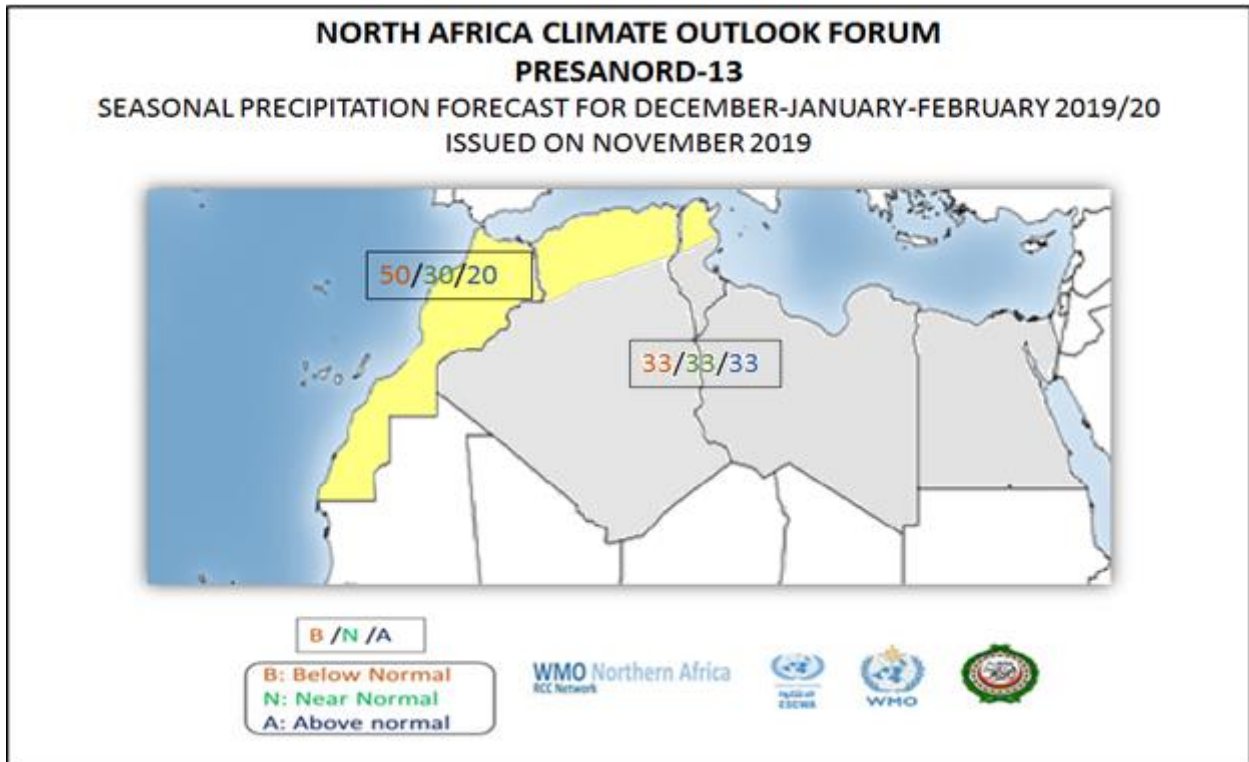


Figure 2: Seasonal Precipitation Forecast over North Africa for DJF2019/20