ARABCOF-3

CONSENSUAL SEASONAL FORECAST OUTLOOK OVER ARAB REGION

Valid FOR DECEMBER JANUARY FEBRUARY 2018/19

Cairo ,Novembre,28 ,2018

Consensual seasonal forecast for DJF2018/19 season over Arab countries is based on known teleconnections of large and regional patterns as well as on dynamical and statistical models.

I. RECENT CLIMATE CONDITIONS AND OUTLOOK

This prediction is based on output from dynamical models, statistical models and known teleconnections of large-scale climate features.

The tropical Pacific reflects weak El Niño conditions in terms of SST indices. The latest ENSO predictions indicate that a moderate El Niño event will continue throughout the winter. Some influence of El Niño on general circulation at midlatitudes is expected by the canonical response of positive PNA and the potential teleconnection up to the Atlantic Ocean. Most dynamical models suggest that El Niño conditions would favour negative North Atlantic Oscillation (NAO).

The analysis of different sources of predictability (Solar activity,NH snow cover ,sea ice extent) can drive a NAO- like circulation.

II. SEASONAL FORECAST 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 2018/19 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 above normal conditions over almost all the Arab region with very likely warm conditions in the eastern of the Domain. No special scenario is given for western Morocco (see figure 1).

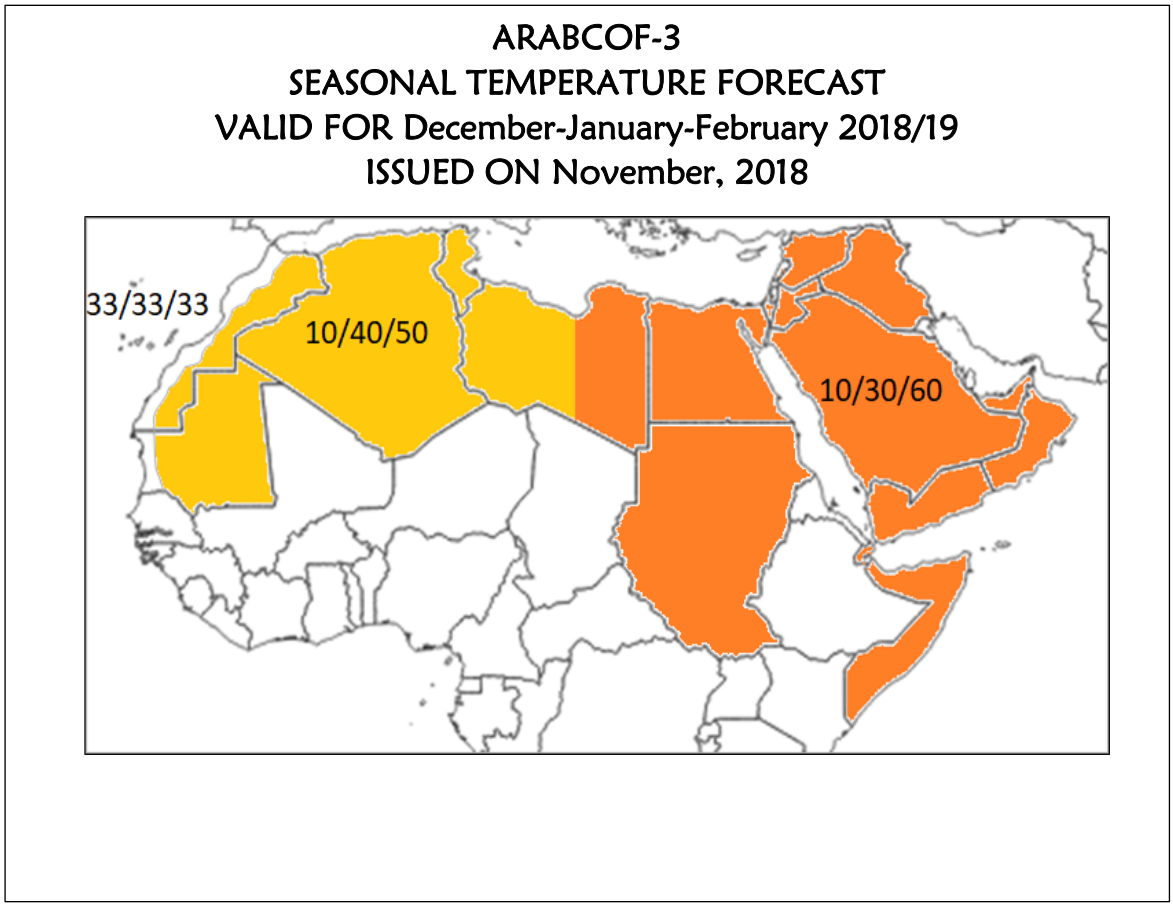

Figure 1: Seasonal forecast of temperature for DJF2018/19

2. Precipitations :

Precipitations are expected to be above normal over the North west of Africa including (Northern Morocco and Algeria and extreme north of Tunisia) and eastern part of the domain including (Eastern Saudi Arabia, Oman, UAE, , Qatar , Kuwait, Bahrain) . No special scenario is given for the remaining part of the Arab region.

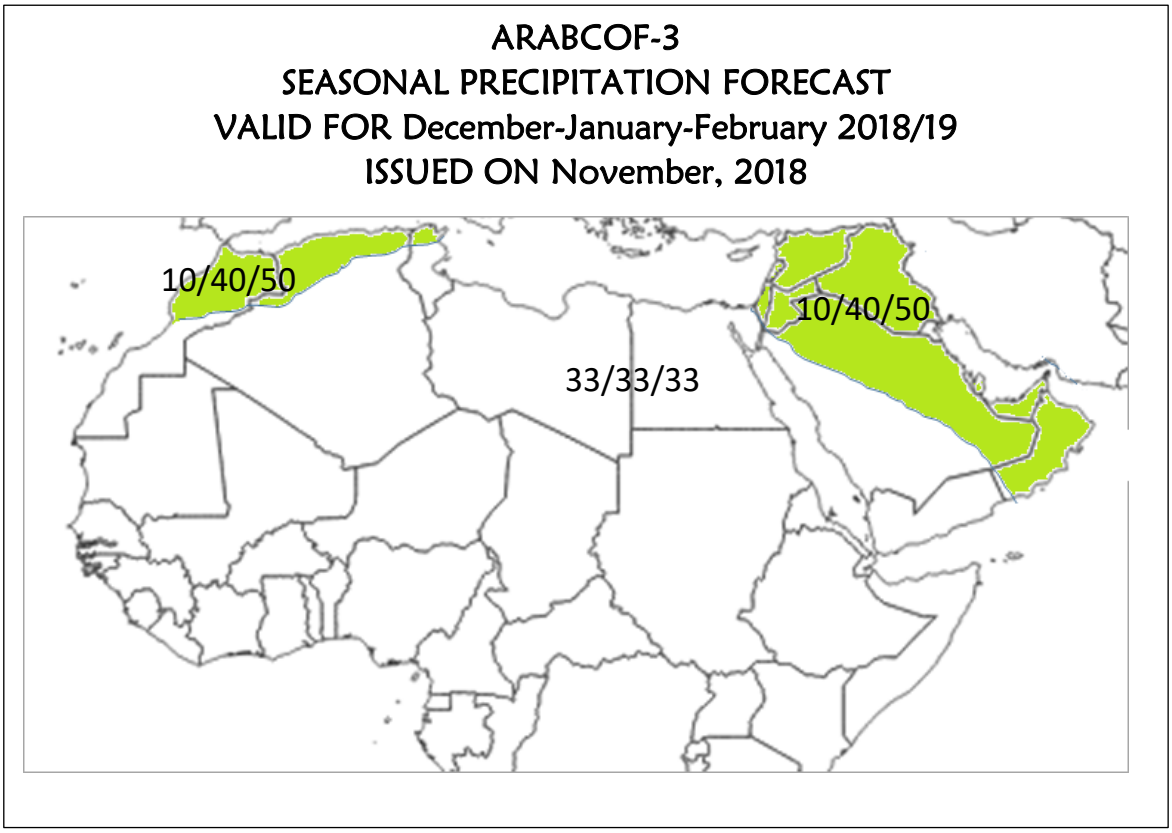

Figure 2: Seasonal forecast of precipitation for DJF2018/19