



## **PRESANORD-10**

### **SENSUAL SEASONAL FORECAST OUTLOOK OVER NORTH AFRICA**

**Valid FOR DECEMBER–JANUARY–FEBRUARY DJF 2016/2017  
Rome, 24 NOVEMBER 2016**

Consensual Seasonal forecast for DJF2016/2017 season over North Africa countries is based on known teleconnections of large and regional patterns as well as on dynamical models .

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

A weak La Niña event now established in the tropical Pacific Ocean seems to be maintained during the remainder of fall, persisting through mid-winter, then weakening to cool-neutral by later winter. The long lasting North Atlantic cold blob over a large area to the south of Greenland shows some weakening trend. Although tropical ocean forcing is relatively weak, possible teleconnections from North Atlantic tropics suggest some perspective of anomalous cyclonic circulation over Southern Europe consistent with a negative phase of NAO. Finally as a summary, a significant number of GPC models shows as common feature some slight predominance of a positive phase for EA and SCAN patterns of variability

and also climate drivers tend to point to a enhance occurrence of negative NAO.

Due to the contradictory forcing over the North Atlantic/European sector with mean circulation dominated by a positive EA pattern with potentially cold episodes during negative NAO periods (possibly more frequent than climatology), there is uncertainty in the forecasting systems' prediction of large-scale atmospheric circulation during the winter. However, the most probable scenario over the Mediterranean basin is a cyclonic signal in the western part -due to the mentioned teleconnection from the tropics- and a high geopotential anomaly over Middle East.

## **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 (DJF) 2016/2017 seasons across North Africa

The following maps show the probabilistic consensus forecast for 3 categories of anomalies for seasonal mean temperature and precipitation.

**A. Precipitations :**

- Zone 1 : No clear signal over North west of Morocco and North of Algeria and Tunisia (Figure 1).
- Zone 2 : Below normal precipitation over Egypt, Libya, south of Tunisia, most of part of Algeria and south of Morocco (Figure 1).

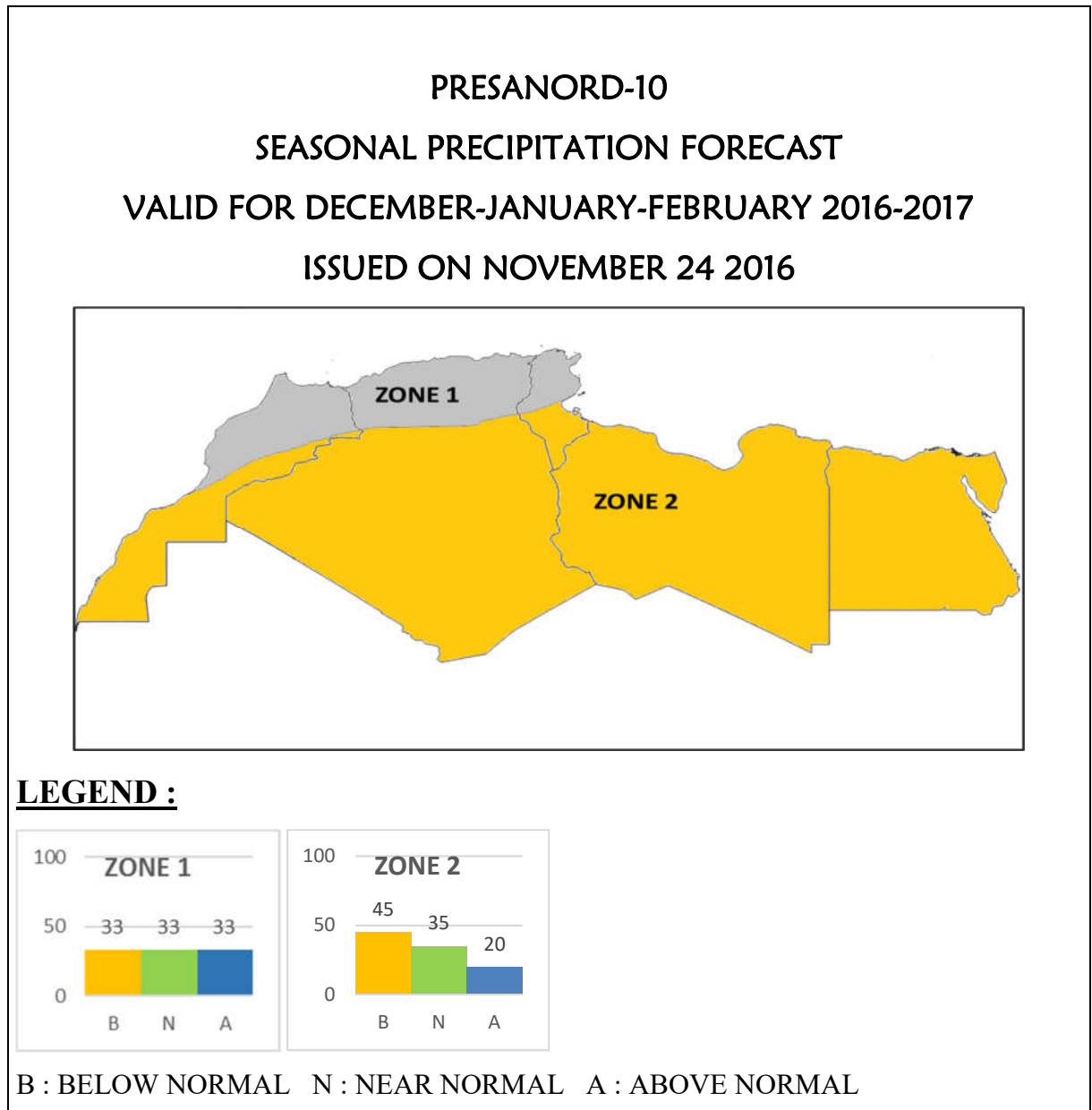


Figure 1: Seasonal forecast of precipitation for DJF 2016-2017

## B. Temperature

- Zone 1 : Normal temperature over north west of Morocco (Figure 2)
- Zone 2 : Above normal temperature over western region of Libya, Tunisia, Algeria and most of Morocco (Figure 2)
- Zone 3 : Above normal temperatures over eastern regions including Egypt, and almost all of Libya (Figure 2)

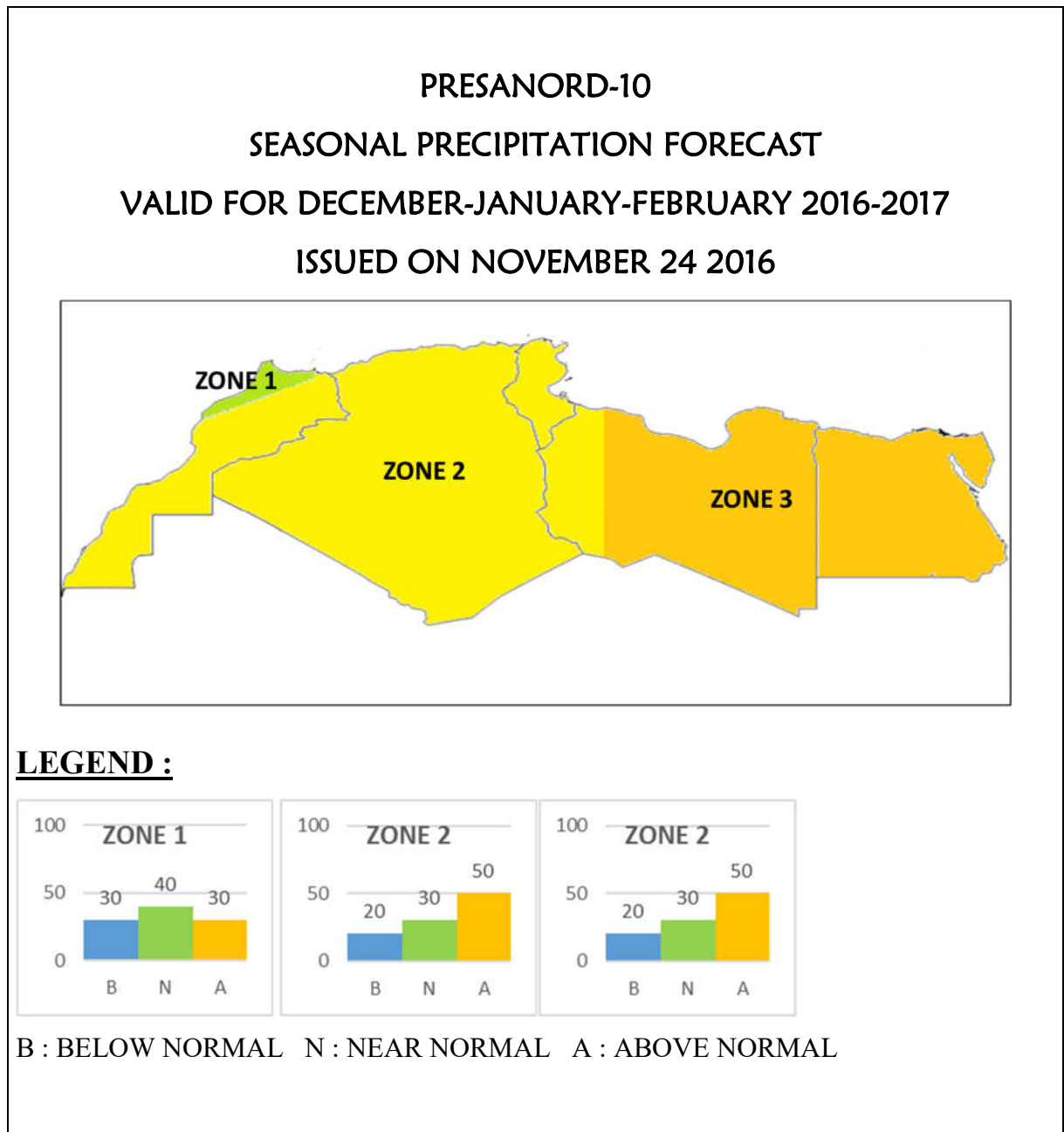


Figure 2: Seasonal forecast of precipitation for DJF 2016-2017