



# **SEVENTEENTH SESSION OF THE NORTH AFRICA CLIMATE OUTLOOK FORUM**

## **PRESANORD-17**

### **SEASONAL FORECAST FOR JUNE-JULY-AUGUST 2022**

**Online session**

**May, 30<sup>th</sup> & 31<sup>th</sup> 2022**

National Meteorological Service of Morocco

# **SEASONAL OUTLOOK FOR SUMMER 2022**

Consensual seasonal forecast for boreal summer (June-July-August 2022) over the North Africa region has been produced during the seventeenth session of North Africa Climate Outlook Forum (PRESANOD-17) conducted online on May 30<sup>th</sup> and 31<sup>th</sup>, 2022 in conjunction with the ninth session of the Arab Climate Outlook Forum (ArabCOF-9) and the sixth session of the Gulf Cooperation Council Climate Outlook Forum (GCCCOF-6).

It is based on known teleconnections of large and regional patterns as well as on dynamical and statistical model outputs.

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

Most of the key atmospheric and oceanic variables in the tropical Pacific indicate La Nina conditions. A set of dynamical and statistical models shows La Nina conditions during boreal summer (with more than 60%). Sea-surface temperatures over North Tropical Atlantic are expected to be near normal for JJA 2022. The IOD index reflects the negative phase and is predicted to continue being negative during JJA 2022.

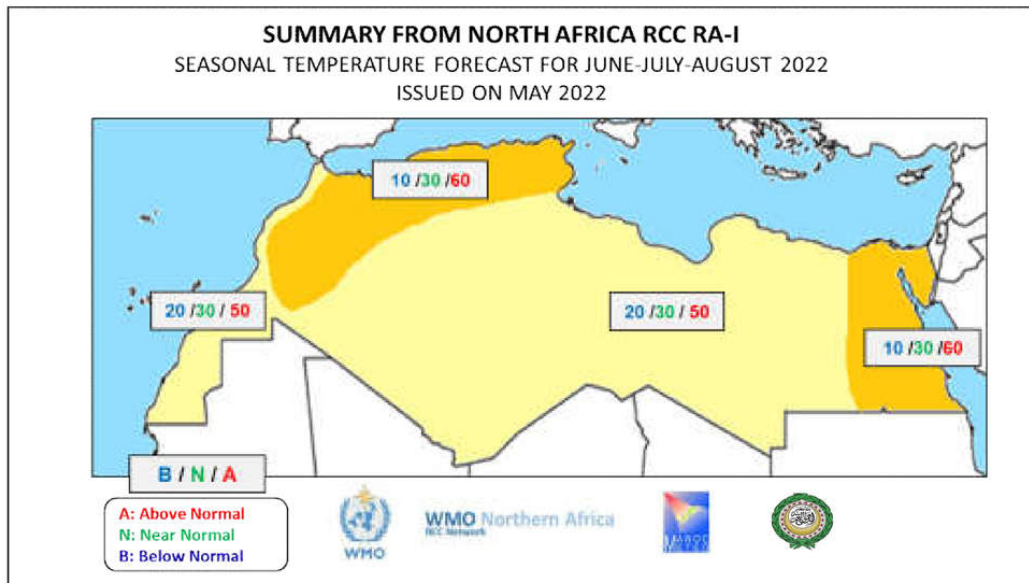
It is worth noting that seasonal forecast gives average tendencies for a season and in some cases sub-seasonal fluctuations can prevail.

## **II. SEASONAL OUTLOOK**

Given the current oceanic and atmospheric patterns, knowledge and understanding of seasonal climate variability and available long-range forecasts, the following seasonal outlook has been developed for JJA 2022 across North Africa region.

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

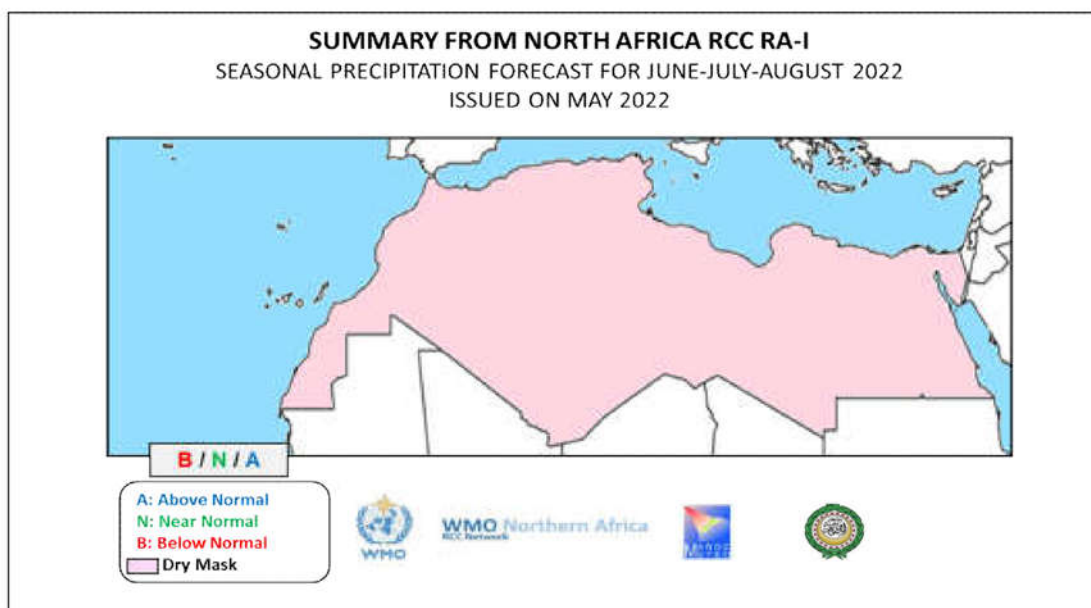
- **TEMPERATURE**



**Figure 1: Seasonal forecast of mean temperature for JJA 2022**

During JJA 2022, temperatures are likely to be above normal over all North Africa countries with a higher probability of warmer than normal conditions over Eastern Egypt, Northern Tunisia, Northern and Western Algeria and almost Northern Morocco (Fig.1).

- **PRECIPITATION**



**Figure 2: Seasonal forecast of precipitation for JJA 2022**

A dry mask is applied over North African countries (shaded pink) given that JJA is climatologically very dry season.(Fig.2).