



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

## **PRESANORD-19**

**SEASONAL FORECAST FOR JUNE-JULY-AUGUST  
2023**

**Online session**

**June, 5<sup>th</sup> , 2023**

# **SEASONAL OUTLOOK FOR SUMMER 2023**

Consensual seasonal forecast for boreal summer (June-July-August 2023) over the North Africa region was produced during the nineteenth session of the North Africa Climate Outlook Forum (PRESANOD-19), which was conducted online on June 5th, 2023. The forum was held in conjunction with the eleventh session of the Arab Climate Outlook Forum (ArabCOF-11) and the eighth session of the Gulf Cooperation Council Climate Outlook Forum (GCCCOF-8). The forecast is based on known teleconnections of global 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 the transition to El Niño conditions for the three upcoming. Sea-surface temperatures over North Tropical Atlantic and Mediterranean Sea are expected to be above normal for JJA 2023. The IOD index reflects a slightly positive phase and is predicted to continue being positive during JJA 2023.

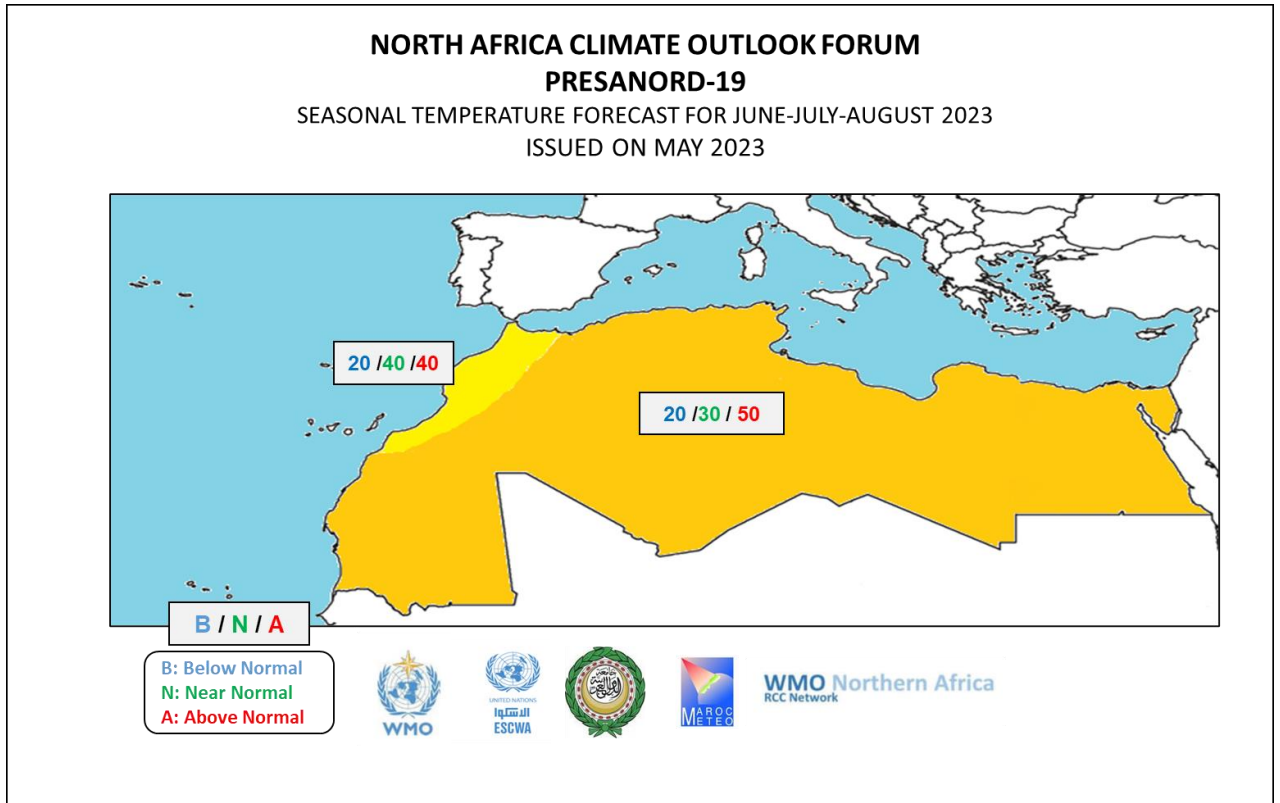
It is worth noting that seasonal forecast gives average tendencies for a season and in some cases sub-seasonal fluctuations can prevail.

## **II. SEASONAL OUTLOOK**

Given the current oceanic and atmospheric patterns, the knowledge and understanding of seasonal climate variability and available long-range forecasts, the following seasonal outlook has been developed for JJA 2023 across North Africa region.

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

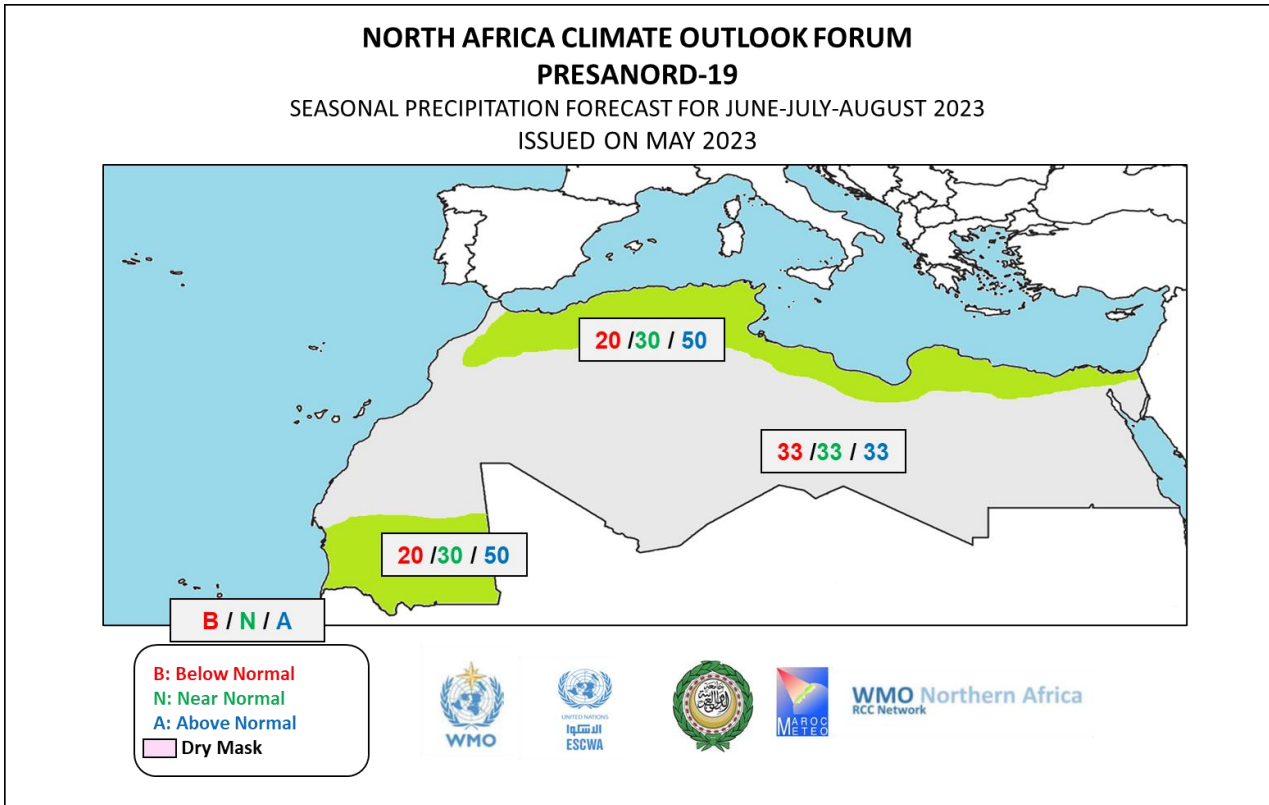
- **TEMPERATURE**



**Figure 1: Seasonal forecast of mean temperature for JJA 2023**

During JJA 2023, temperatures are likely to be above normal over the entire North Africa region. Specifically, normal to above normal temperatures are expected over most of Morocco and Northwestern Algeria (Fig.1).

- **PRECIPITATION**



**Figure 2: Seasonal forecast of precipitation for JJA 2023**

During JJA 2023, total precipitation is expected to be above normal over Northeastern Morocco, most of Mauritania, Northern Algeria, most of Tunisia, Northern Libya and Northern Egypt. No special scenario is given over the remaining regions (Fig.2).