



SEASONAL FORECAST OUTLOOK FOR NORTH AFRICA

November-December-January 2023/2024 issued on October 2023

Seasonal forecast outlook for North Africa RCC domain is based on several dynamical and statistical models in addition to the influence of some specific modes of teleconnection on global and regional scale. We also try to exploit the sources of predictability contained in the sea surface temperature (SST) by statistical methods when it is possible. We note, however, that this influence is not the same from one region to another or throughout all the year.

NB:

- 1. New:** Multi-model probabilistic forecasts from Copernicus C3S and WMO LC-LRFMME
- 2.** All dynamical forecasts are experimental.

SYNTHESIS

The analysis of current circulation, sea surface temperature, ENSO phenomenon and dynamical/statistical models outputs show for November-December-January 2023/2024:



























- **For temperature:**
 - ✚ Probably above normal conditions over Morocco, Algeria, Tunisia, Libya and Egypt.
- **For precipitation:**
 - ✚ Probably normal to above normal conditions over Northern Tunisia and Southern Egypt. An equal chance of occurrence for below, near and above normal seasonal precipitation over Morocco, Algeria, Libya and the remaining parts of Tunisia and Egypt.

NB: Precipitation forecasts are given for September to May (the main rainy season).

Temperature forecasts are given for January to December.

**TABLES SUMMARIZING
SEASONAL
TEMPERATURE AND PRECIPITATION FORECAST
NOVEMBER-DECEMBER-JANUARY 2023/2024**

I. Seasonal Temperature Forecast






































Model/multi-model	Morocco	Algeria	Tunisia	Libya	Egypt
<i>ECMWF</i>					
<i>UK Met-Office</i>					
<i>C3S</i>					
<i>WMO LRF-NMME</i>					
<i>IRI</i>	 Almost Morocco	 S  Elsewhere			
Synthesis	Probably above normal conditions	Probably above normal conditions	Probably above normal conditions	Probably above normal conditions	Probably above normal conditions

Legend



N: North; S: South; W: West; E: East; C: Center; ATL: Atlas

II. Seasonal Precipitation Forecast

Model/multi-model	Morocco	Algeria	Tunisia	Libya	Egypt
<i>ECMWF</i>		 Almost Algeria		 NE  Elsewhere	 S  Elsewhere
<i>UK Met-Office</i>	 N  Elsewhere	 N  Elsewhere		 Almost Libya	 Almost Egypt
<i>C3S</i>	 Far N  Elsewhere				 S  Elsewhere
<i>LRF-NMME</i>			 N  Elsewhere		 NE  Elsewhere
<i>IRI</i>	 NE&ATL  Far S  Elsewhere	 CN  Elsewhere	 N  Elsewhere		
Synthesis	No special scenario	No special scenario	Probably normal to above normal conditions over the North No special scenario elsewhere	No special scenario	Probably normal to above normal conditions over the South No special scenario elsewhere

Legend



N: North; S: South; W: West; E: East; C: Center; ATL: Atlas