



SEASONAL FORECAST OUTLOOK FOR NORTH AFRICA

January-February-March 2024 issued on December 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 January-February-March 2024:

- **For temperature:**

- ✚ Probably above normal conditions over Morocco, Algeria, Tunisia, Libya and Egypt.

- **For precipitation:**

- ✚ Probably normal to below normal conditions over Northeastern Morocco, Northern Algeria, most of Tunisia, Northern Libya and Northwestern Egypt.




























- ✚ An equal chance of occurrence for below, near and above normal seasonal precipitation over the remaining parts of Morocco, Algeria, Libya 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
JANUARY-FEBRUARY-MARCH 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>	 C  Elsewhere	 SE  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>	 NE  Elsewhere	 Almost Algeria	 Almost Tunisia	 Almost Libya	 Almost Egypt
<i>UK Met-Office</i>	 NE  Elsewhere	 NW&S  Elsewhere	 Almost Tunisia	 E  Elsewhere	 Almost Egypt
<i>C3S</i>	 NE  Elsewhere	 N  Elsewhere		 N  Elsewhere	 NW  Elsewhere
<i>LRF-NMME</i>	 NE  Elsewhere	 N  S  Elsewhere	 Almost Tunisia	 NW  SE  Elsewhere	 N  Elsewhere
<i>IRI</i>	 S  Elsewhere				
Synthesis	Probably normal to below normal conditions over the Northeast No special scenario elsewhere	Probably normal to below normal conditions over the North No special scenario elsewhere	Probably normal to below normal conditions	Probably normal to below normal conditions over the North No special scenario elsewhere	Probably normal to below normal conditions over the Northwest No special scenario elsewhere

Legend



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