



SEASONAL FORECAST OUTLOOK FOR NORTH AFRICA

February-March-April 2023 issued on January 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 February-March-April 2023:





























- **For temperature:**
 - ✚ Probably normal † above normal conditions over Morocco, Algeria, Tunisia, Libya and Egypt.
- **For precipitation:**
 - ✚ Probably near normal conditions over Southern Algeria, normal to above normal conditions over Northwestern Libya and above normal conditions over Southeastern Egypt.
 - ✚ An equal chance of below, near and above normal seasonal precipitation over the remaining area.

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
FEBRUARY-MARCH-APRIL 2023**

I. Seasonal Temperature Forecast









































Model/multi-model	Morocco	Algeria	Tunisia	Libya	Egypt
<i>ECMWF</i>	 Almost Morocco	 N  Elsewhere		 SW  Elsewhere	
<i>UK Met-Office</i>					
<i>C3S</i>					
<i>WMO LRF-NMME</i>					
<i>IRI</i>	 C  Elsewhere	 Almost Algeria			
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>	 ATL  Elsewhere	 N  Elsewhere		 NW  Elsewhere	 N  SE  Elsewhere
<i>UK Met-Office</i>	 S  Elsewhere	 S  Elsewhere	 Almost Tunisia	 Almost Libya	 Almost Egypt
<i>C3S</i>		 SE  Elsewhere	 Almost Tunisia	 NW&SE  Elsewhere	 N  Elsewhere
<i>LRF-NMME</i>	 S  Elsewhere	 SW  Elsewhere			 SE  Elsewhere
<i>IRI</i>	 Almost Morocco			 CN  Elsewhere	 NW  Elsewhere
Synthesis	No special scenario	Probably near normal conditions over the South No special scenario elsewhere	No special scenario	Probably normal to above normal conditions over the Northwest No special scenario elsewhere	Probably above normal conditions over the Southeast No special scenario elsewhere

Legend



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