



SEASONAL FORECAST OUTLOOK FOR NORTH AFRICA

January-February-March 2023 issued on December 2022

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 probably for January-February-March 2023:

- For temperature:
 - ✚ Probably normal to above normal conditions over Morocco and Algeria.
 - ✚ Probably above normal conditions over Tunisia, Libya and Egypt.
- For precipitation:
 - ✚ No special scenario over Morocco, Algeria, Tunisia and Libya and most of Egypt.
 - ✚ Probably normal to below normal conditions over Southern 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 FORECAST JANUARY-FEBRUARY-MARCH 2023

I. Seasonal Temperature Forecast

































Model/multi-model	Morocco	Algeria	Tunisia	Libya	Egypt
<i>ECMWF</i>	 Almost Morocco				
<i>UK Met-Office</i>		 to 		 To 	 Almost Egypt
<i>C3S</i>					
<i>LRF-NMME</i>					
<i>IRI</i>	 CW  Elsewhere	 SW  Elsewhere		 Almost Libya	 Almost Egypt
Synthesis	Probably normal to above normal conditions.	Probably normal to 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 Morocco	 NW  Elsewhere	 Almost Tunisia	 NE  Elsewhere	 SW  Elsewhere
<i>UK Met-Office</i>	 NW  Elsewhere	 Almost Algeria			
<i>C3S</i>	 Almost Morocco				
<i>LRF-NMME</i>	 S  Elsewhere	 SW  Elsewhere		 Almost Libya	 S  Elsewhere
<i>IRI</i>		 Almost Algeria			
Synthesis	No special scenario	No special scenario	No special scenario	No special scenario	Normal to below normal conditions over the South. No special scenario elsewhere

Legend



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