



SEASONAL FORECAST OUTLOOK FOR NORTH AFRICA

January-February-March 2022 issued on December 2021

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 2022:

- For temperature:
 - ✚ Probably normal to above normal conditions over Southern Algeria and Libya.
 - ✚ Probably above normal conditions over Egypt.
 - ✚ No special scenario over Morocco, Tunisia and the remaining part of Algeria.
- For precipitation:
 - ✚ Probably normal to above normal conditions over Southeastern Algeria, Southern Tunisia, and almost all Libya.
 - ✚ Probably normal to below normal conditions over Northwestern Morocco.
 - ✚ No special scenario over Egypt and the remaining parts of Morocco, Algeria and Tunisia.

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 2022

I. Seasonal Temperature Forecast









































Model/multi-model	Morocco	Algeria	Tunisia	Libya	Egypt
<i>ECMWF</i>				 Almost Libya	 Almost Egypt
<i>UK Met-Office</i>				 S  Elsewhere	
<i>C3S</i>		 S  Elsewhere		 S  Elsewhere	 Almost Egypt
<i>LRF-NMME</i>	 Almost Morocco	 S  Elsewhere		 NW  Elsewhere	
<i>IRI</i>	 Almost Morocco	 N  Elsewhere	 N  Elsewhere		
Synthesis	No special scenario	Probably normal to above normal conditions over the South No special scenario elsewhere	No special scenario	Probably normal to 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	 N  Elsewhere	 N  Elsewhere	 Almost Libya	 N  Elsewhere
<i>UK Met-Office</i>	 Almost Morocco	 S  Elsewhere	 S  Elsewhere	 Almost Libya	 C  Elsewhere
<i>C3S</i>		 E  Elsewhere	 N  Elsewhere	 W  Elsewhere	
<i>LRF-NMME</i>	 NW  Elsewhere	 Far.N  Elsewhere	 S  Elsewhere	 Almost Libya	 Almost Egypt
<i>IRI</i>	 Almost Morocco	 C  Elsewhere	 S  Elsewhere	 C  Elsewhere	 Almost Egypt
Synthesis	No special scenario over the NW Probably normal to below normal conditions elsewhere	Probably normal to above normal conditions over the Southeast No special scenario elsewhere	Probably normal to above normal conditions over the South No special scenario elsewhere	Probably normal to above normal conditions over most of Libya	No special scenario

Legend



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