DIRECTION GENERALE DE LA METEOROLOGIE

Ministère de l'Equipement et de l'Eau





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 t 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). Temperatureforecasts are given for January to December.

TABLES SUMMARIZING SEASONAL

TEMPERATURE AND PRECIPITATION FORECAST FEBRUARY-MARCH-APRIL 2023

I. Seasonal Temperature Forecast

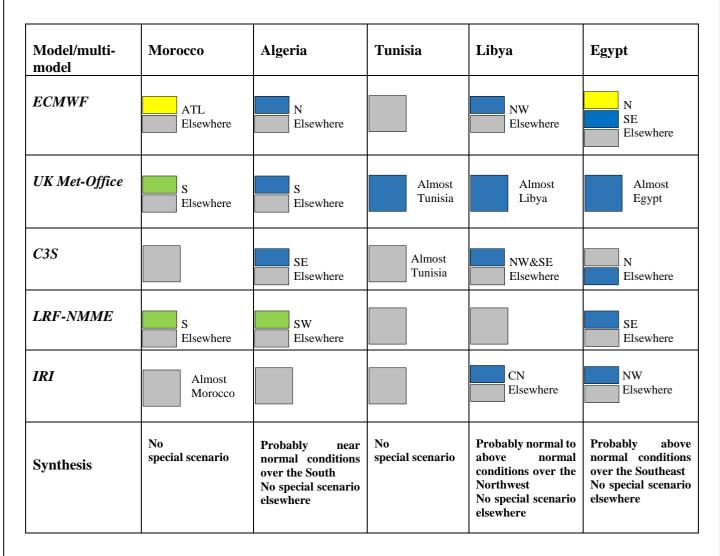
Model/multi- model	Morocco	Algeria	Tunisia	Libya	Egypt
ECMWF	Almost Morocco	N Elsewhere		SW Elsewhere	
UK Met-Office					
C3S					
WMO LRF-NMME					
IRI	C Elsewhere	Almost Algeria			
Synthesis	Probably above normal conditions				

Legend



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

II. Seasonal Precipitation Forecast



Legend



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