SEASONAL FORECAST OUTLOOK FOR NORTH AFRICA
March-April-Mai 2023 issued on February 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 to above normal conditions over Morocco.
  - Probably above normal conditions over Algeria, Tunisia, Libya and Egypt.
- **For precipitation:**
  - Probably near normal conditions over Northwestern Morocco.
  - Probably normal to above normal conditions over Northwestern Libya and 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
# MARCH-APRIL-MAY 2023

I.   Seasonal Temperature Forecast

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

Legend

☐ **Below-Normal**   ☐ **Normal**   ☐ **Above-Normal**   ☐ **No special scenario**

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

II.   Seasonal Precipitation Forecast

Model/multi-model	Morocco	Algeria	Tunisia	Libya	Egypt
ECMWF	▰ NW&C ▱ Elsewhere	▱	▱	▱	▱
UK Met-Office	▰ NE ▱ Elsewhere	▱ NW ▰ Elsewhere	▰	▰ Almost Libya	▰ Almost Egypt
C3S	▱	▱	▰ S ▱ Elsewhere	▰ NW&S ▱ Elsewhere	▰ S ▱ Elsewhere
LRF-NMME	▱ N ▰ Elsewhere	▰ SW ▱ Elsewhere	▱	▰ NW ▱ Elsewhere	▰ SE ▱ Elsewhere
IRI	▱	▰ SW ▱ Elsewhere	▱	▱ Almost Libya	▱
Synthesis	**Probably near normal conditions over the Northwest No special scenario elsewhere**	**No special scenario**	**No special scenario**	**Probably normal to above normal conditions over the Northwest No special scenario elsewhere**	**Probably normal to above normal conditions over the Southeast No special scenario elsewhere**

Legend

🟨 **Below-Normal**	🟩 **Normal**	🟦 **Above-Normal**	⬜ **No special scenario**

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