



SEASONAL FORECAST OUTLOOK FOR NORTH AFRICA

October-November-December 2023 issued on September 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 October-November-December 2023:

- **For temperature:**
 - ✚ Probably above normal conditions over Morocco, Algeria, Tunisia, Libya and Egypt.
- **For precipitation:**
 - ✚ An equal chance of occurrence for below, near and above normal seasonal precipitation over Morocco, Algeria, Tunisia, Libya and 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
TEMPERATURE AND PRECIPITATION FORECAST
OCTOBER-NOVEMBER-DECEMBER 2023**

I. Seasonal Temperature Forecast






































| Model/multi-model | Morocco | Algeria | Tunisia | Libya | Egypt |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <i>ECMWF</i> |  |  |  |  |  |
| <i>UK Met-Office</i> |  |  |  |  |  |
| <i>C3S</i> |  |  |  |  |  |
| <i>WMO LRF-NMME</i> |  |  |  |  |  |
| <i>IRI</i> |  S&NE  Elsewhere |  Almost Algeria |  |  NW  Elsewhere |  |
| 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



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> |  |  |  |  N  Elsewhere |  |
| <i>UK Met-Office</i> |  |  |  |  |  E  Elsewhere |
| <i>C3S</i> |  NE&S  Elsewhere |  Almost Algeria |  S  Elsewhere |  W&S  Elsewhere |  S  Elsewhere |
| <i>LRF-NMME</i> |  NW&ATL  Elsewhere |  NW  Elsewhere |  |  S  Elsewhere |  SW  Elsewhere |
| <i>IRI</i> |  |  |  |  NE  Elsewhere |  CN  Elsewhere |
| Synthesis | No special scenario | No special scenario | No special scenario | No special scenario | No special scenario |

Legend



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