ROYAUME DU MAROC

Ministère de l'Equipement et de l'Eau

DIRECTION GENERALE DE LA METEOROLOGIE



SEASONAL FORECAST OUTLOOK FOR NORTH AFRICA

November-December-January 2021/20211 issued on October 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 November-December-January 2021:

- For temperature:
 - Probably normal to above normal conditions over Morocco
 - ♣ Probably above normal conditions over Algeria, Tunisia, Libya and Egypt.
- For precipitation:
 - ♣ Normal to below normal conditions over Egypt and Northeast Libya.
 - ♣ No special scenario over Morocco, Algeria, Tunisia and the remaining part of Libya.

NB: <u>Precipitation forecasts are given for September to May (the main rainy season). Temperature forecasts are given for January to December.</u>

TABLES SUMMARIZING SEASONAL FORECAST NOVEMBER-DECEMBER-JANUARY 2021/2022

I. Seasonal Temperature Forecast

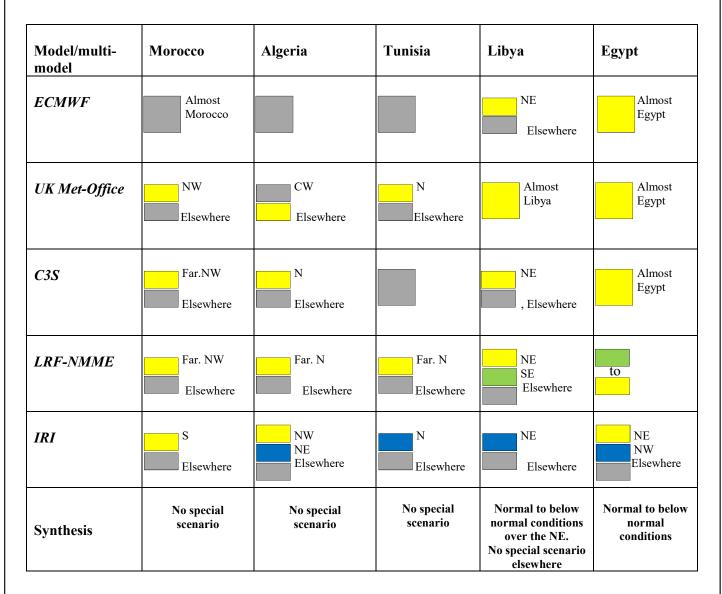
| Model/multi- model | Morocco | Algeria | Tunisia | Libya | Egypt |
|-----------------------|--|--|--|--|--|
| ECMWF | Almost Morocco | Almost Algeria | | Almost Libya | Almost Egypt |
| UK Met-Office | | | | | to |
| C3S | | | | | |
| LRF-NMME | | | | | |
| IRI | Almost Morocco | | | Almost Libya | NW&E Elsewhere |
| Synthesis | Probably normal to 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



Legend



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