



SEASONAL FORECAST OUTLOOK FOR NORTH AFRICA

July-August-September 2020 issued June 2020

Seasonal forecast outlook for North Africa RCC domain is based on the ARPEGE-Climat coupled model output jointly with seasonal forecasts issued from ECMWF, UK Met-Office and IRI. The ARPEGE-Climat v5.2 coupled model is running at MAROC-METEO super-computer each month to elaborate seasonal ensemble forecasts. Sets of 27 forecasts are initialized by 9 atmospheric analysis, taken from ECMWF database, and 3 ocean analysis (PSY2G3R4) issued from MERCATOR center.

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 July-August-September 2020:

- For temperature:
 - ▣ Probably normal to above normal conditions over almost Morocco, Algeria and Tunisia
 - ▣ No special scenario is favored over 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 TEMPERATURE SEASONAL FORECAST

MAI-JUNE-JULY 2020

Model/multi-model	Morocco	Algeria	Tunisia	Libya	Egypt
<i>ARPEGE-Climat</i>	 W  Elsewhere			 E  Elsewhere	
<i>ECMWF</i>	 SW  Elsewhere	 W&S  Elsewhere			 E  Elsewhere
<i>UK Met-Office</i>		 Almost Algeria			 ExtN&E  Elsewhere
<i>C3S</i>		 Almost Algeria			 Almost Egypt
<i>LRF-NMME</i>				 Almost Libya	
<i>IRI</i>	 Almost Morocco	 to 	 to 	 S  Elsewhere	 Almost Egypt
Synthesis	Probably normal to above normal conditions over almost Morocco	Probably normal to above normal conditions	Probably normal to above normal conditions	No special scenario	No special scenario

Legend



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