



SEASONAL FORECAST OUTLOOK for North Africa *September-October-November 2018 issued August 2018*

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 (PSY2G3R3) 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: All dynamical forecasts are experimental.

Synthesis











































The analysis of current circulation, sea surface temperature, ENSO phenomenon and dynamical/statistical models outputs show probably for September-October-November 2018:

- For temperature:
 - ✚ Near normal conditions over Morocco.
 - ✚ Normal to above normal conditions over Algeria and Tunisia.
 - ✚ Above normal conditions over Libya and Egypt.
- For precipitation:
 - ✚ No special scenario over Morocco.
 - ✚ Near normal conditions over Algeria, Tunisia and North of 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 forecast for September-October-November 2018

1. Seasonal temperature forecast













































Model/multi-model	Morocco	Algeria	Tunisia	Libya	Egypt
<i>ARPEGE-Climat</i>		 W&Coast  S  Elsewhere		 N  Elsewhere	 Almost Egypt
<i>ECMWF</i>	 Almost Morocco	 W  S  Elsewhere	 S  Elsewhere		
<i>UK Met-Office</i>	 N  Elsewhere				
<i>EUROSIP</i>		 NW  Elsewhere			
<i>LC-LRFMME</i>	 N&W  Elsewhere	 NW  Elsewhere			
<i>IRI</i>		 N  Elsewhere	 S  Elsewhere		
Synthesis	Probably near normal conditions	Probably normal to above normal conditions	Probably normal to above normal conditions	Probably above normal conditions	Probably above normal conditions

Legend

 Below-Normal  Normal  Above-Normal  No special scenar

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

2. Seasonal precipitation forecast

Model/multi-model	Morocco	Algeria	Tunisia	Libya	Egypt
<i>ARPEGE-Climat</i>					 Almost Egypt
<i>ECMWF</i>	 C&S  Elsewhere	 S&NE  Elsewhere	 E  Elsewhere	 Almost Libya	 W  Elsewhere
<i>UK Met-Office</i>					
<i>EUROSIP</i>	 NW  Elsewhere				
<i>LC-LRFMME</i>	 S  Elsewhere	 SE  Elsewhere	 N  Elsewhere	 N  Elsewhere	 E&N.coast  Elsewhere
<i>IRI</i>	 E&S  Elsewhere	 S  Elsewhere	 S  Elsewhere	 N  Elsewhere	
Synthesis	No special scenario	Probably near normal conditions	Probably near normal conditions	Probably near normal conditions over the North	Probably near normal conditions over the North

Legend

 Below-Normal
  Normal
  Above-Normal
  No special scenario

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