Royaume du Maroc

Ministère délégué auprès du Ministre
de l'Energie des Mines de l'Eau et de
l'Environnement, chargé de l'Eau
Direction de la Météorologie Nationale

المملكـــة المـغربيـة
الوزارة المنتـــدبة لـــدى وزير
الـطـاقــة و المعــادن و المـــاء و الـــبيئـــة
المكـلفة بالمـــاء
مديـــرية الأرصاد الجويـــة الوطنيـــة

SEASONAL FORECAST OUTLOOK BULLETIN
for WMO NORTH AFRICA RCC domain
Season: DECEMBER-JANUARY-FEBRUARY *2015*
Issued: November 2014

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 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.

Synthesis:

The analysis of seasonal forecasts issued from dynamical and statistical models for DJF2015 show probably:

- For temperature:
  - Above normal conditions over north African countries
- For precipitation:
  - Normal to below normal conditions over Morocco, Algeria, Tunisia and Egypt
  - No special scenario is likely over Libya.

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 December-January-February 2015 in North Africa

1. Seasonal temperature forecast

Model/multi-model	Morocco	Algeria	Tunisia	Libya	Egypt
ARPEGE-Climat					 N S
ECMWF		 N&W Elsewhere		 N S	 NW Elsewhere
UK Met-Office					
IRI					
Statistical model					
Synthesis	**Probably 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

2. Seasonal precipitation forecast

Model/multi-model	Morocco	Algeria	Tunisia	Libya	Egypt
ARPEGE-Climat					
ECMWF		 NE  Elsewhere			 N&C  Elsewhere
UK Met-Office	 N  Elsewhere				
IRI					
Synthesis	**Probably normal to below normal conditions**	**Probably normal to below normal conditions**	**Probably normal to below normal conditions**	**No special scenario**	**Probably normal to below normal conditions**

Legend

 **Below-Normal**

 **Normal**

 **Above-Normal**

 **No special scenario**

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