

Royaume du Maroc

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



المملكة المغربية  
الوزارة المنتدبة لدى وزير  
الطاقة و المعادن و الماء و البيئة  
المكلفة بالماء  
مديرية الأرصاد الجوية  
الوطنية

## SEASONAL FORECAST OUTLOOK BULLETIN FOR JANUARY-FEBRUARY-MARCH *JFM* 2014 IN NORTH AFRICA

Seasonal forecast outlook for North Africa (RCC) is based on the ARPEGE-Climat-ORCA2 coupled model forecast jointly with seasonal forecasts issued from ECMWF, UK met-office and EUROSIP (ECMWF/METEO-FRANCE/UK met-office/NCEP).

The ARPEGE-Climat-ORCA2 coupled model is run 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 (PSY2G2R1) issued from MERCATOR center.






























*P.S: Seasonal forecasts issued from all the models are given in probabilistic form.*

**Synthesis:** The overall analysis of temperatures and precipitation forecasts issued from different models show probably for JFM 2014:

- For temperature:
  - ✚ Below normal conditions over Northern Tunisia
  - ✚ Normal to below normal conditions over Morocco, Algeria, Libya and Egypt
- For precipitation:
  - ✚ Normal to above normal conditions in the East of Morocco and below normal conditions in the other regions
  - ✚ Normal to above normal conditions in Algeria
  - ✚ Above normal conditions are likely over Tunisia
  - ✚ Normal to below normal conditions over Egypt
  - ✚ No special scenario is likely over Libya.

**Tables summarizing seasonal forecast for January-February-March 2014  
in North Africa**

**1. Seasonal temperatures forecast**
































Model/multi-model	Morocco	Algeria	Tunisia	Libya	Egypt
<i>ARPEGE-Climat</i>					
<i>ECMWF</i>	 to 	 to 	 N  S		 to 
<i>UK Met-Office</i>		 S-E  Elsewhere		 to 	 to 
<i>EUROSIP</i>				 N-E  Elsewhere	 to 
<b>Synthesis</b>	<b>Probably normal to below normal conditions</b>	<b>Probably normal to below normal conditions</b>	<b>Probably below normal conditions in the north</b>	<b>Probably normal to below normal conditions</b>	<b>Probably normal to below normal conditions</b>

**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
<i>ARPEGE-Climat</i>	 N-E  Elsewhere	 N  S		 to 	 to 
<i>ECMWF</i>	 N  S	 to 	 N  S		 to 
<i>UK Met-Office</i>	 E&S  Elsewhere	 to 			 N-W  Elsewhere
<b>EUROSIP</b>					
<b>Synthesis</b>	<b>Probably above normal conditions in the East and below normal elsewhere</b>	<b>Probably normal to above normal conditions</b>	<b>Probably above normal conditions</b>	<b>No special scenario</b>	<b>Probably normal to below normal conditions</b>

### Legend



Below-Normal



Normal



Above-Normal



No special scenario

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