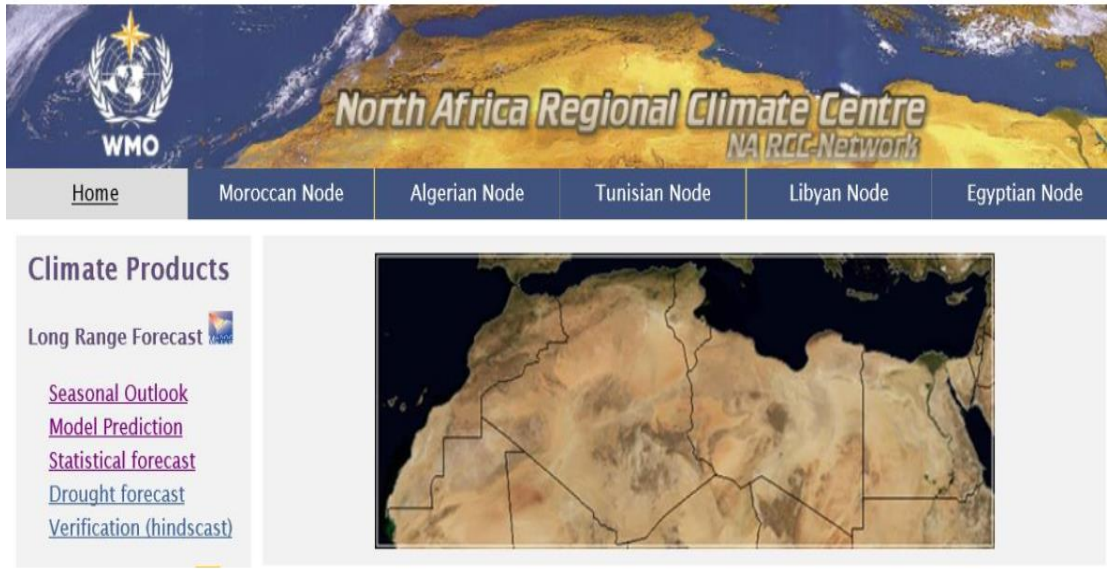
Direction Générale de la Météorologie
MOROCCO

VERIFICATION OF SEASONAL FORECAST OND 2021

NORTH AFRICAN RCC



ACCOF01, 04 February 2022

Bouchra SADIKI (DGM,Morocco)

Rcc-Outlook for North Africa

ROYAUME DU MAROC

Ministère de l'Equipement, du Transport, de la Logistique et de l'Eau

DIRECTION GENERALE DE LA METEOROLOGIE

SEASONAL FORECAST OUTLOOK

October-November-December 20

Seasonal forecast outlook for North Africa RCC doma
statistical models in addition to the influence of some spe
and regional scale. We also try to exploit the sources of p
temperature (SST) by statistical methods when it is possib
is not the same from one region to another or throughout a

NB:

1. New: *Multi-model probabilistic forecasts from Coperni*

2. *All dynamical forecasts are experimental.*

SYNTHESIS

The analysis of current circulation, sea surface tem
dynamical/statistical models outputs show probably for O

- For temperature:
  - Probably normal to above normal conditions ove Southeastern Egypt.
  - No special scenario over the remaining part of th
- For precipitation:
  - Normal to below normal conditions over North almost all Egypt.
  - No special scenario over Tunisia and Libya.

TABLES SUMMARIZING SEASONAL FORECAST OCTOBER-NOVEMBER-DECEMBER 2021

I. Seasonal Temperature Forecast

Model/multi-model	Morocco	Algeria	Tunisia	Libya	Egyp
ECMWF	Almost Morocco	SE Elsewhere	N Elsewhere	Far. NW Elsewhere	
UK Met-Office				NW Elsewhere	
C3S					
LRF-NMME					
IRI		Almost Algeria	Far. S Elsewhere	W SE Elsewhere	
Synthesis	**Probably normal to above normal conditions**	**Probably normal to above normal conditions.**	**Probably normal to above normal conditions**	**Probably normal to above normal conditions over the North. No special scenario elsewhere**	**Proba to ab condit Sou speci el**

Legend

Below-Normal **Normal** **Above-Normal** **No special sc**

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

II. Seasonal Precipitation Forecast

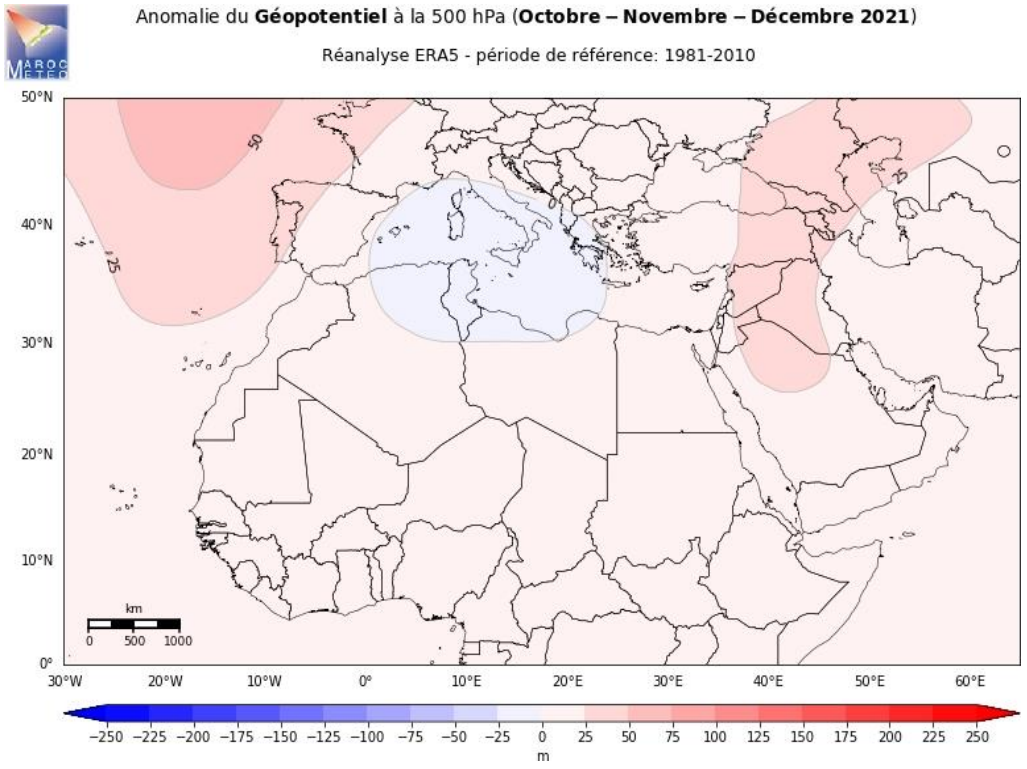
Model/multi-model	Morocco	Algeria	Tunisia	Libya	Egypt
ECMWF	Almost Morocco	W&S Elsewhere	W Elsewhere	NE&SW Elsewhere	Almost Egypt
UK Met-Office	N Elsewhere	N&E Elsewhere	C Elsewhere	Almost Libya	Almost Egypt
C3S	NW Elsewhere	Far. N Elsewhere	Far. N Elsewhere	NE Elsewhere	Almost Egypt
LRF-NMME	S Elsewhere	N S Elsewhere	Far. N Elsewhere	N Elsewhere	N Elsewhere
IRI	C Elsewhere	N Elsewhere	SE Elsewhere	N Elsewhere	NE Elsewhere
Synthesis	**Normal to below normal conditions over the North. No special scenario elsewhere**	**Normal to below normal conditions over the Far North. No special scenario elsewhere**	**No special scenario**	**No special scenario**	**Normal to below normal conditions over almost all Egypt**

Legend

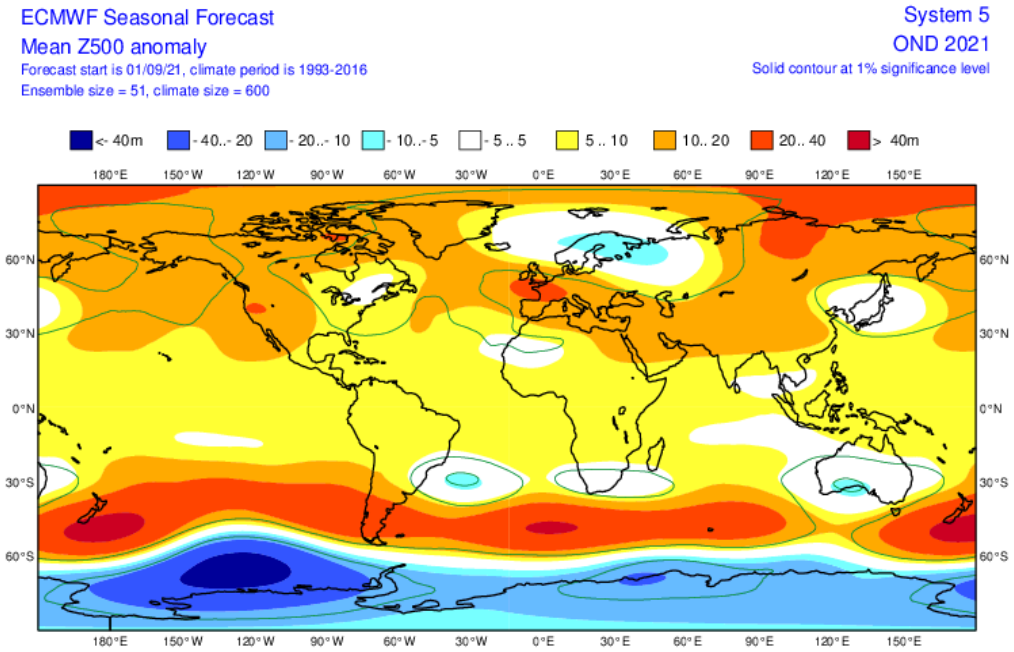
Below-Normal **Normal** **Above-Normal** **No special scenario**

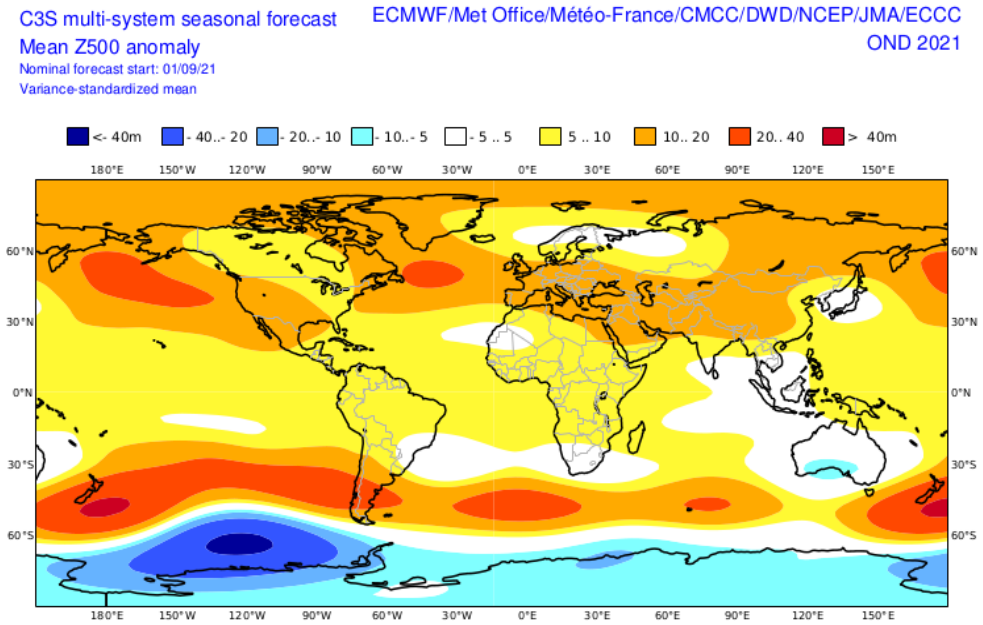
N: North; S: South; W: West; E: East; C: Center; ATL: Atlas

Geopotential at 500 hPa

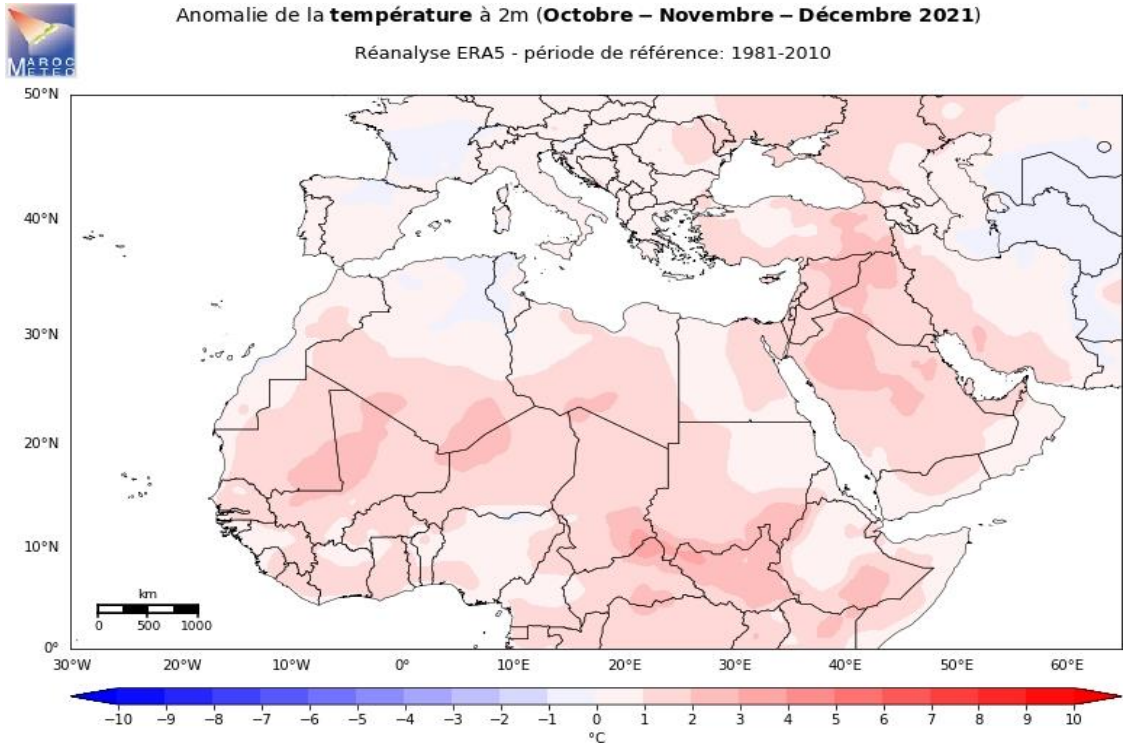


ERA5 Z500 anomaly

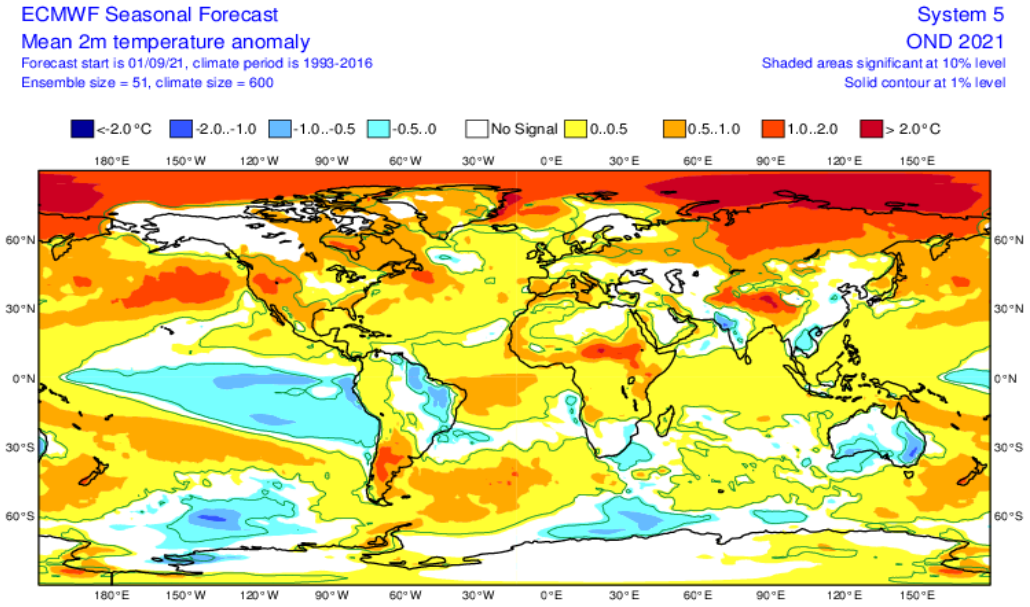


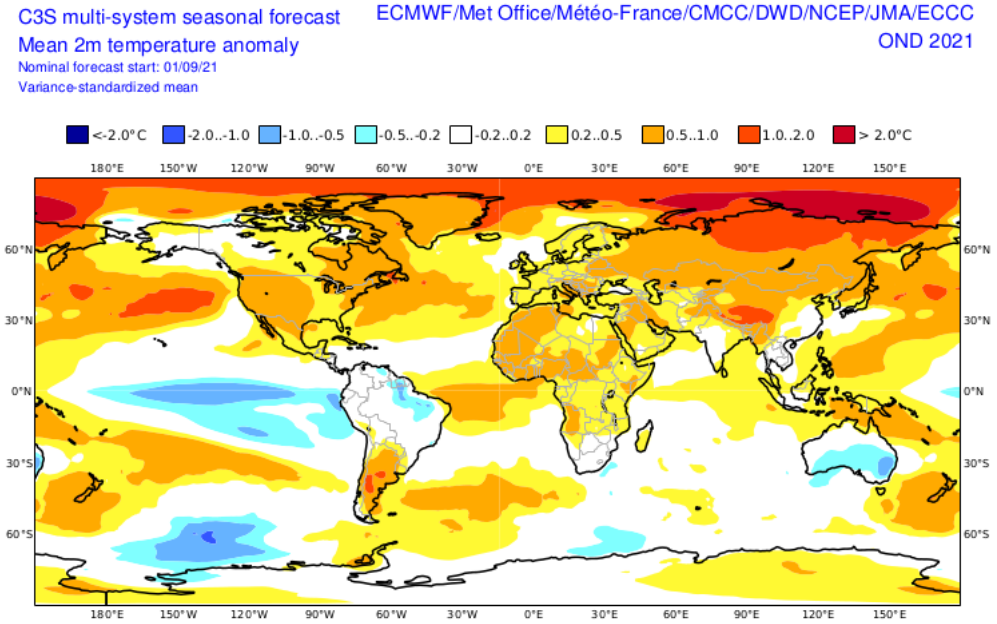


Temperature

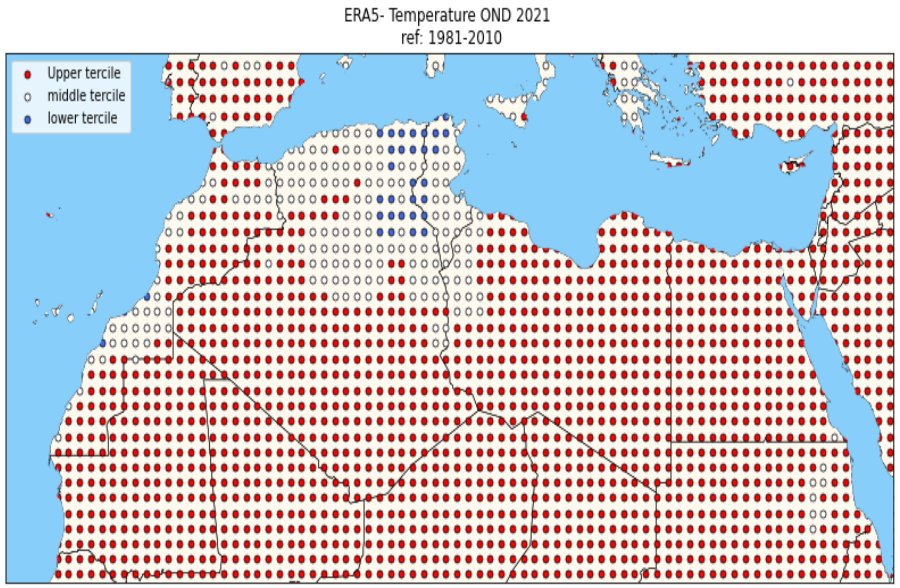


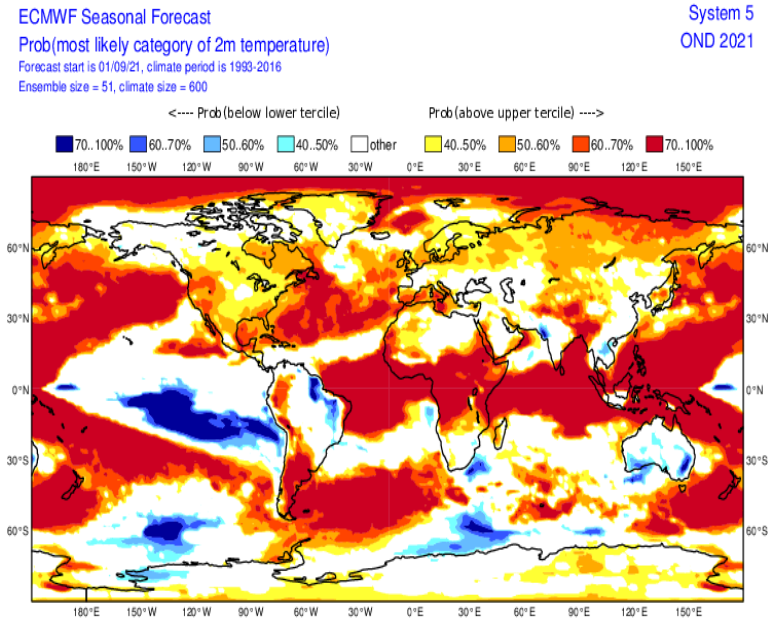
ERA5 temperature anomaly

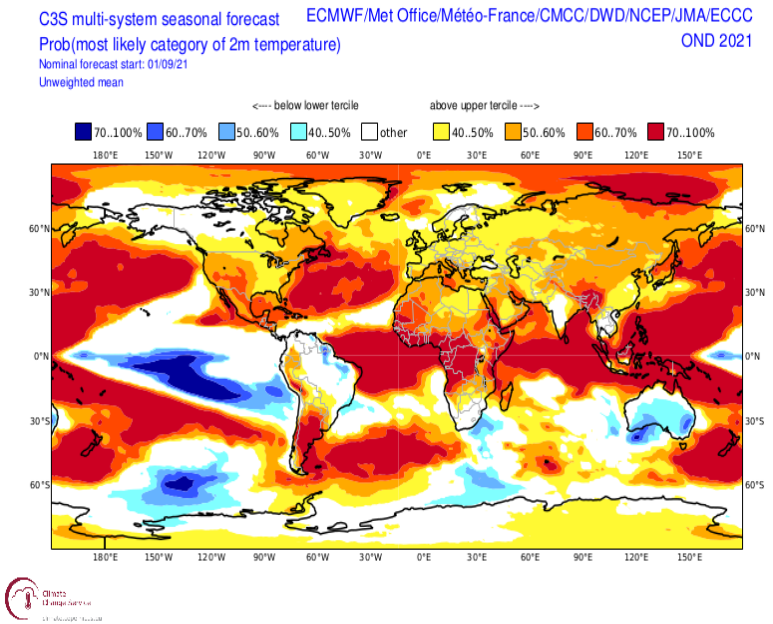


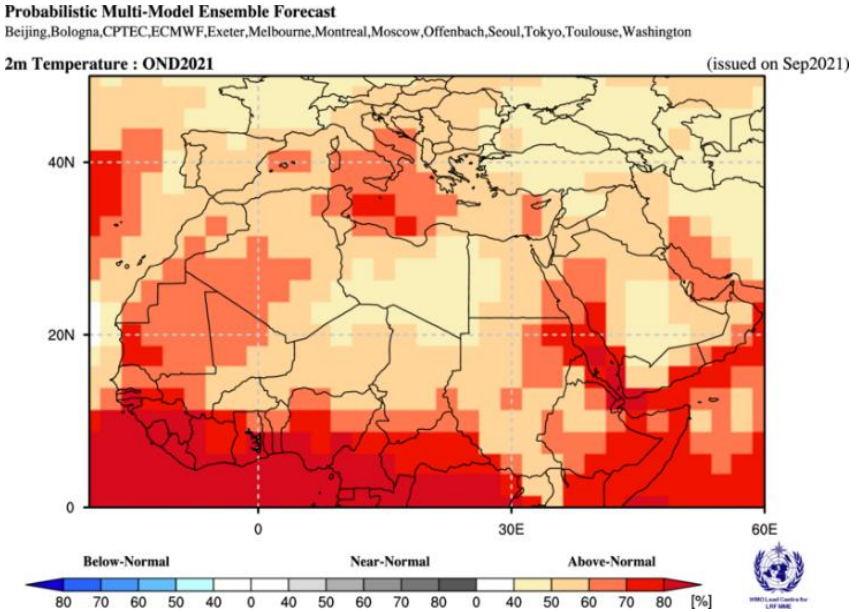


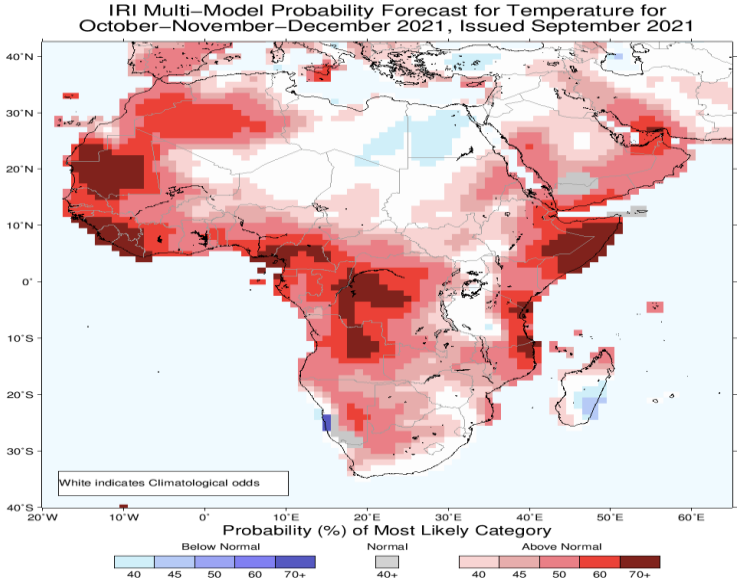
Temperature









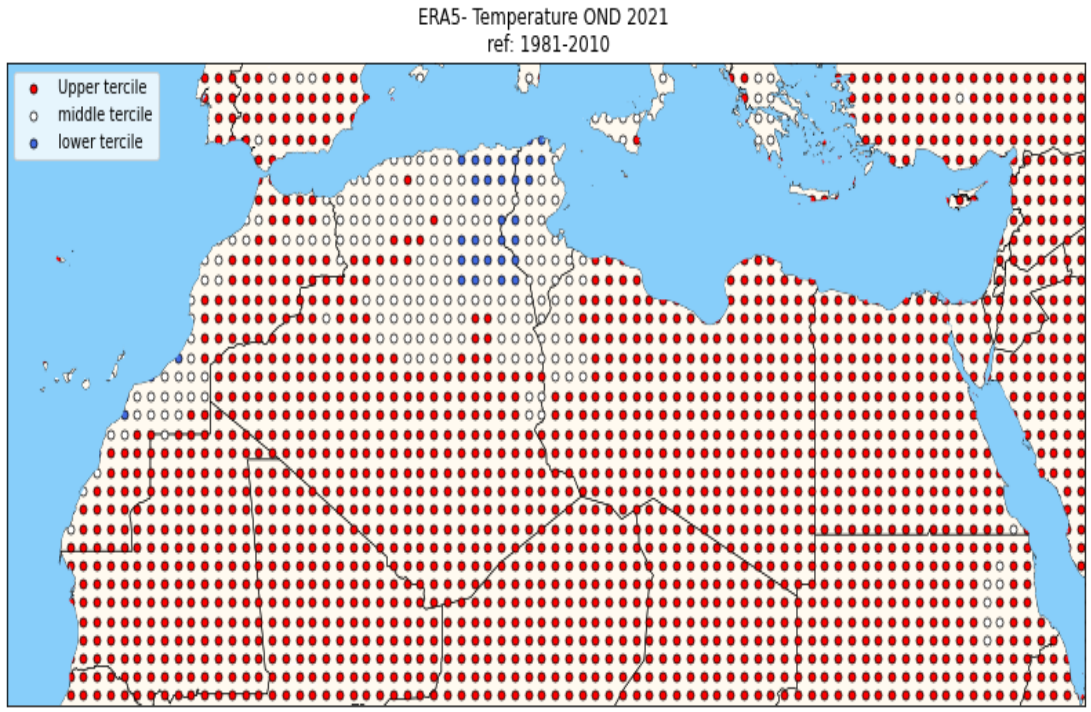


ERA5 - classification by tercile category

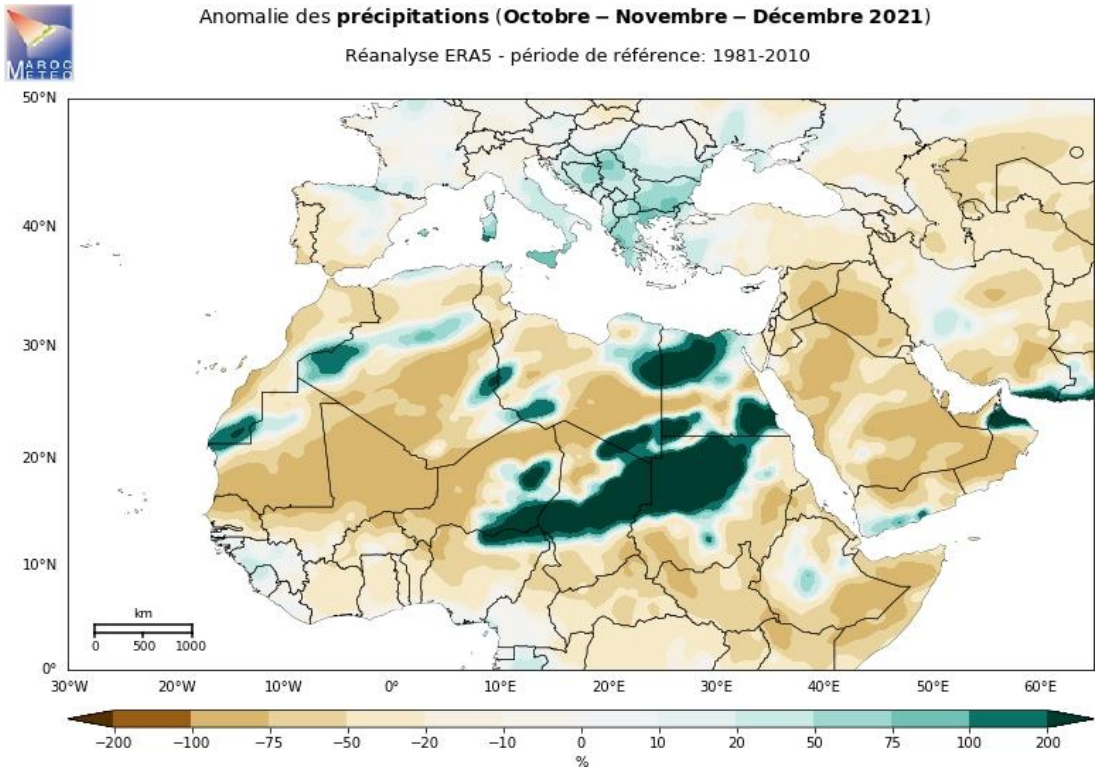
Synthesis

Rcc-Outlook temperature (OND 2021):

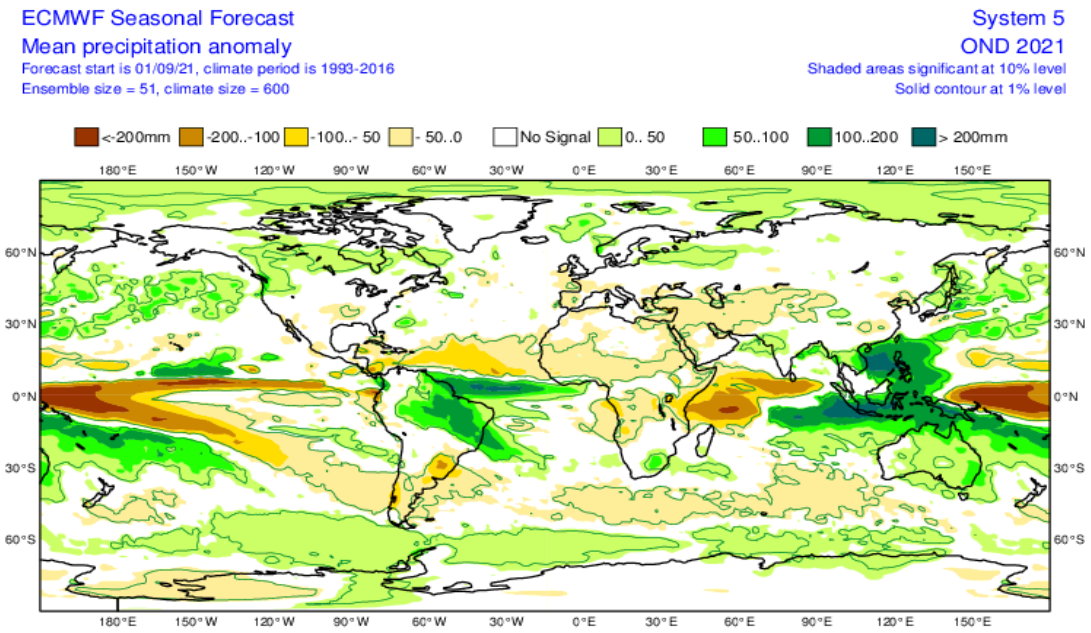
- Probably normal to above normal conditions over Morocco, Algeria, Northern Libya and Southeastren Egypt.
- No special scenario over the remaining part of North Africa region.

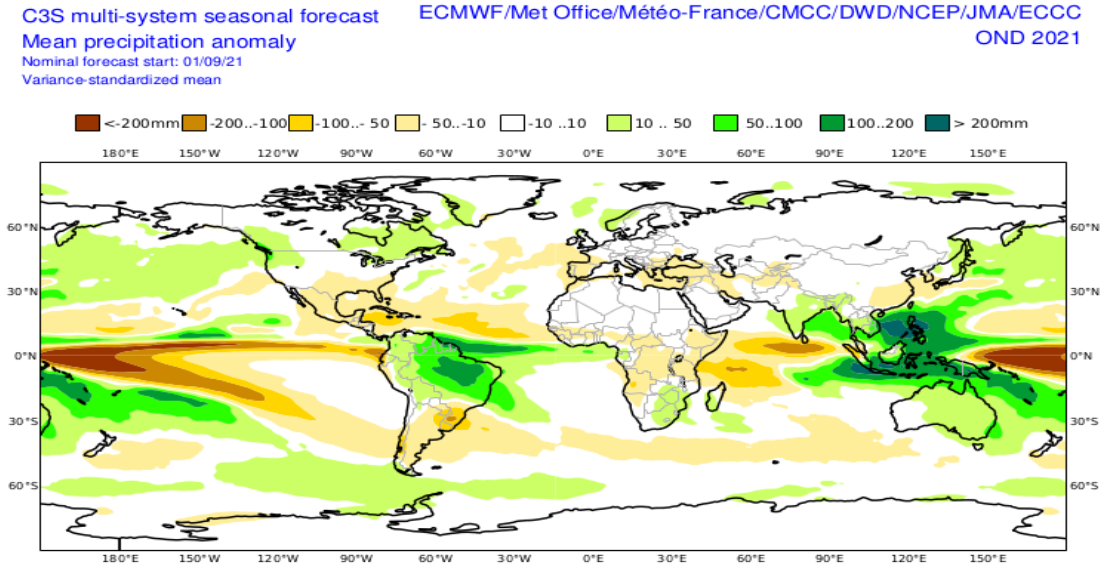


Precipitation

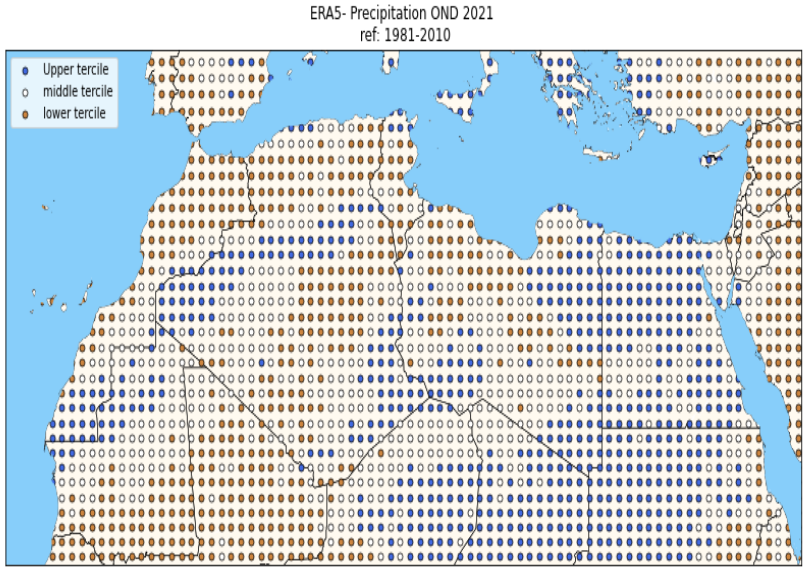


ERA5 precipitation anomaly

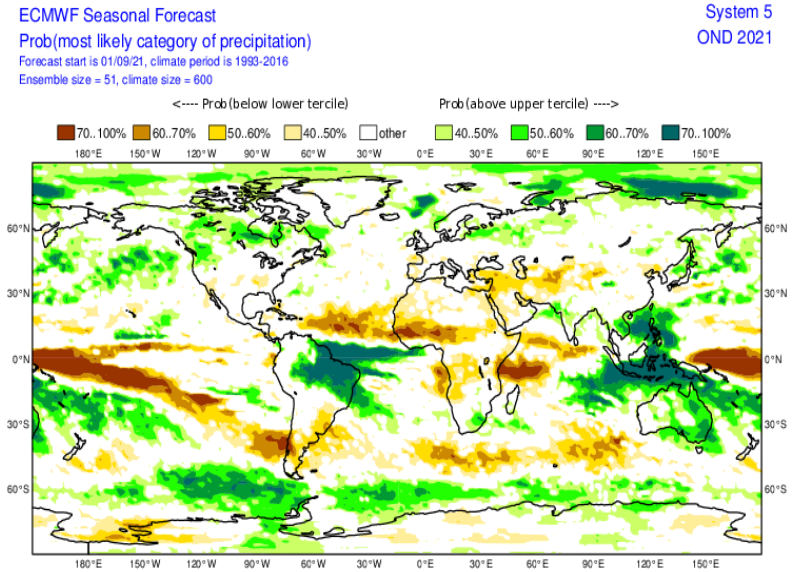


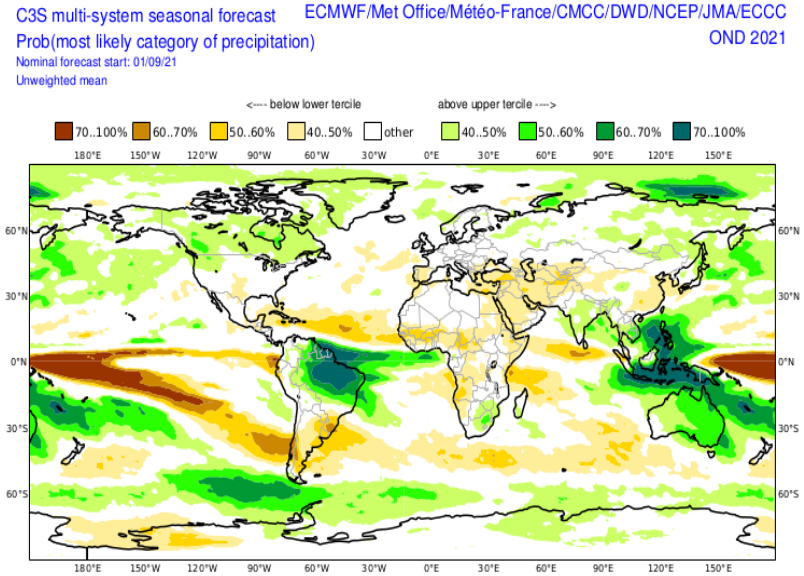


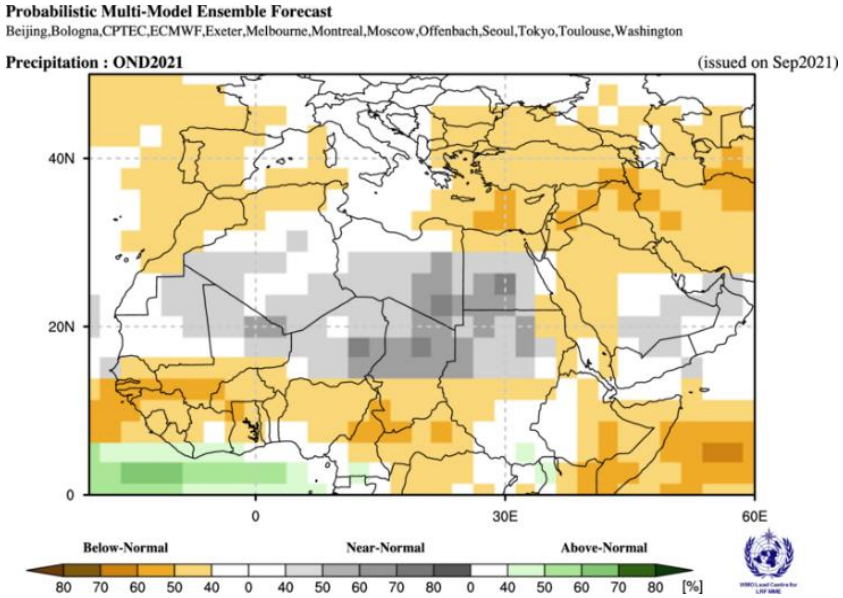
Precipitation

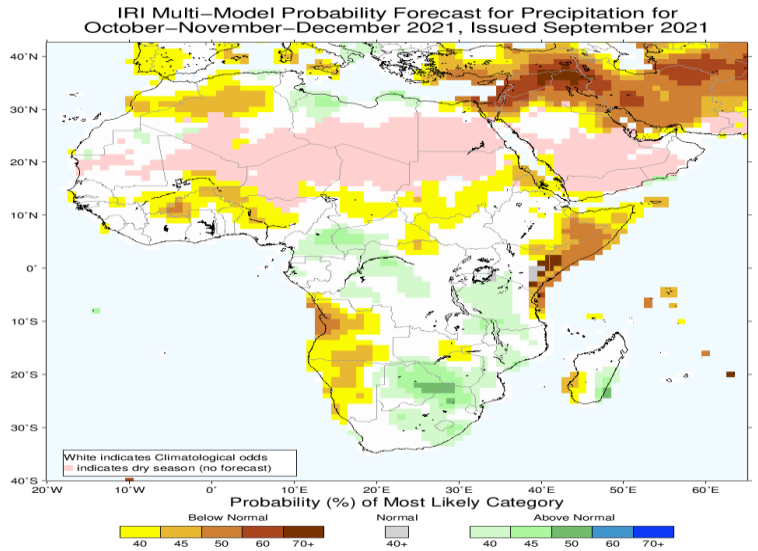


ERA5 - classification by tercile category





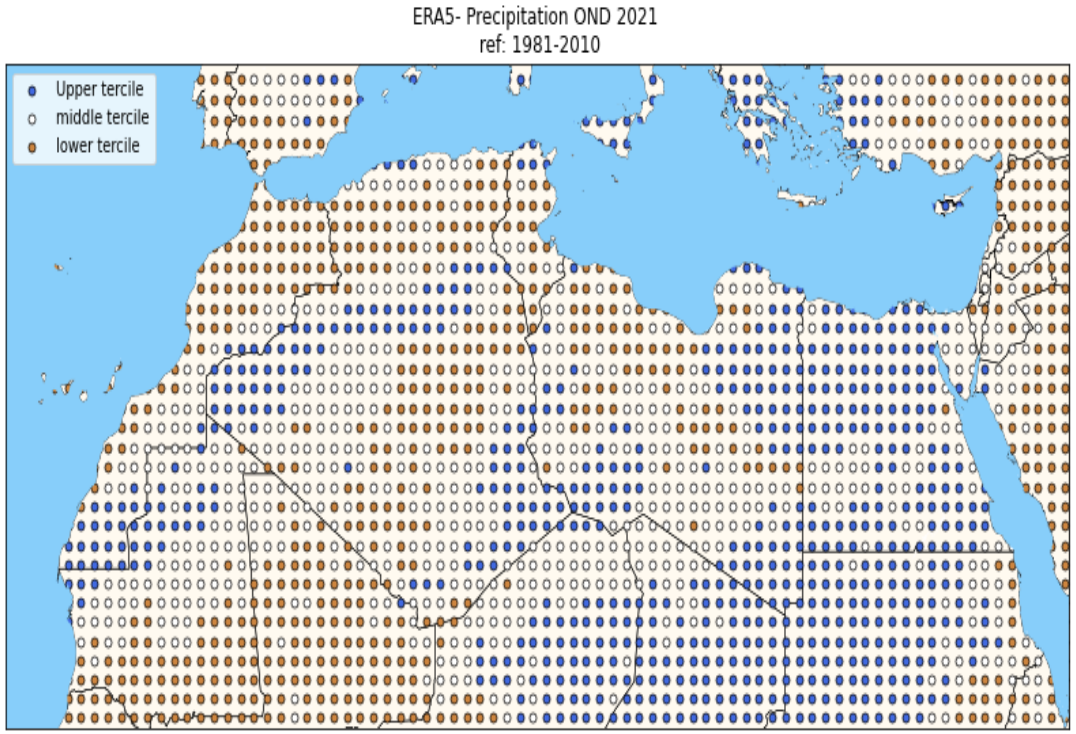




Synthesis

Rcc-Outlook precipitation (OND 2021):

- ❑ Normal to below normal conditions over Northern Morocco, Far North of Algeria and almost all Egypt
- ❑ No special scenario over Tunisia and Libya



Thank you very much