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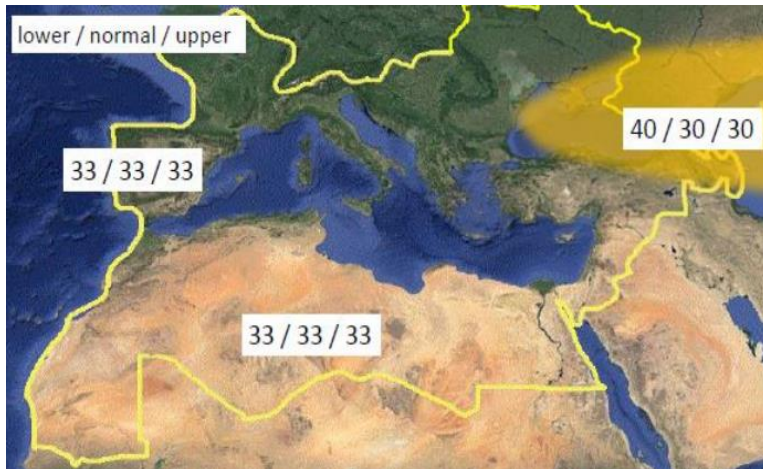
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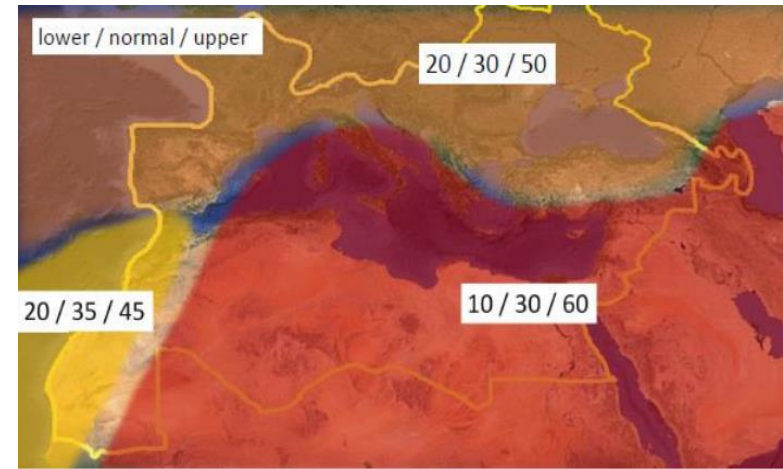
Verification of MedCOF-8 Climate Outlook for the 2017 summer season in North Africa RA-I

*WMO RA I North Africa RCC Tunisian Node
National Institute of Meteorology (INM)
Tunis, Tunisia*

MedCOF-8 Climate Outlook for the 2017 summer season In North Africa RA-I



Precipitation Outlook JJA 2017



Temperature Outlook JJA 2017

➤ Uncertainty over all North Africa region, no clear signal

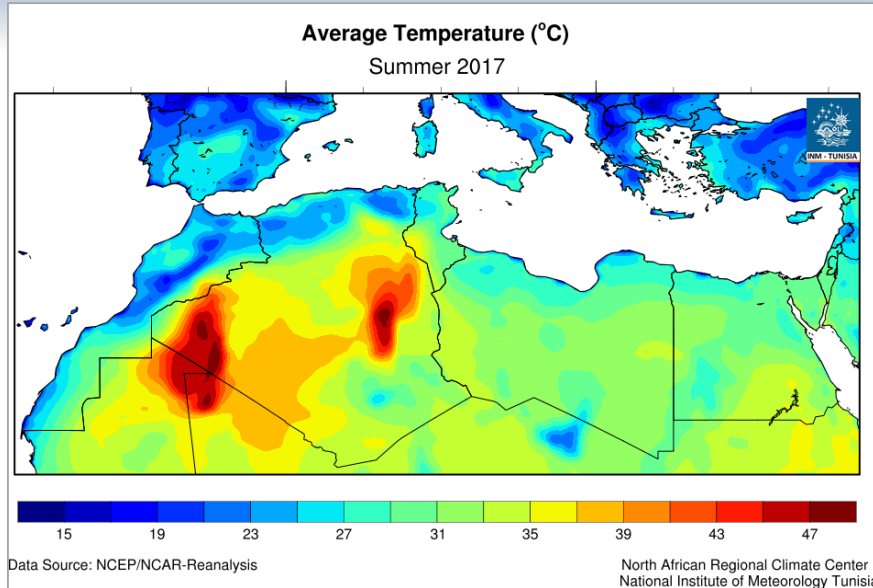
➤ Above normal signal is forecasted over all North Africa.

➤ Probability of 45% for the Above normal tercile over western region. Probability of 60% for the Above normal tercile over the remaining region.

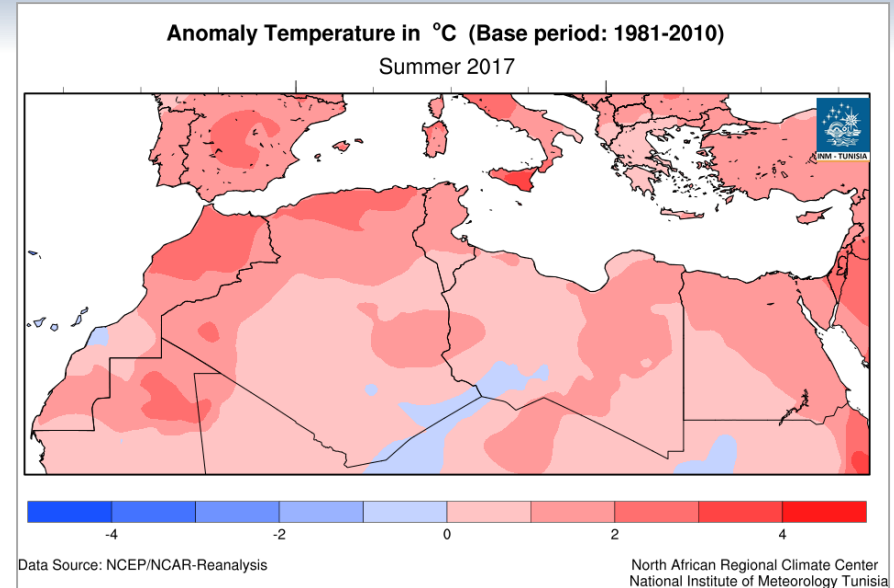


Assessment of JJA 2017 Temperature

In North Africa, RA-I



JJA 2017 Mean Temperature

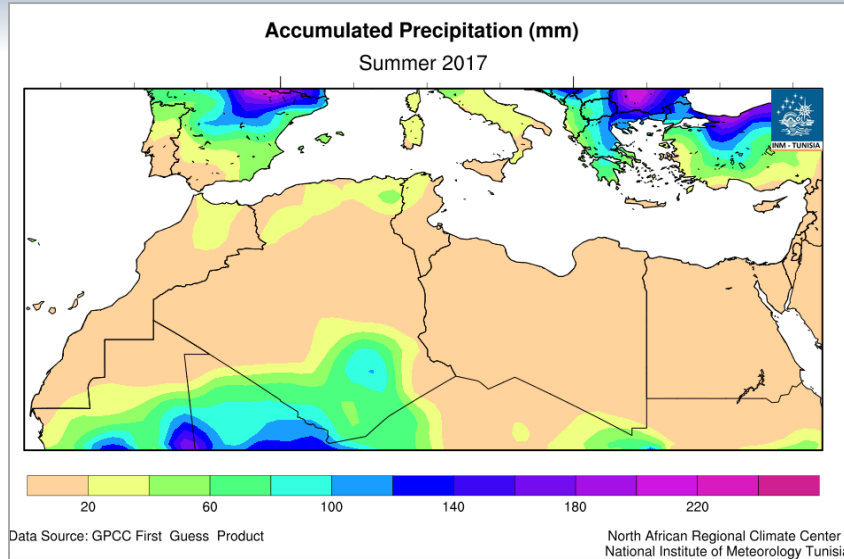


JJA 2017 Temperature Anomaly

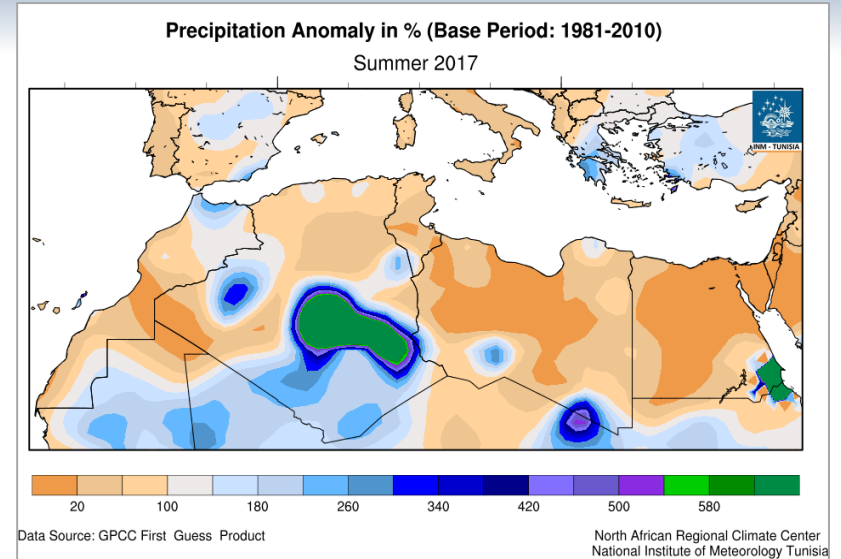
- Summer 2017 was hotter than normal in almost all North Africa. Mean temperatures were ranging between 19°C and 47°C.
- Summer season was hotter than normal over the east of Egypt, east of Libya, all of Tunisia, north and west of Algeria and North of Morocco. Anomalies were higher over the extreme north of Algeria and Morocco.
- Elsewhere temperatures were normal to slightly above normal.

Assessment of JJA 2017 Precipitation

In North Africa RA-I



JJA 2017 Cumulated Precipitation



JJA 2017 Precipitation Anomaly

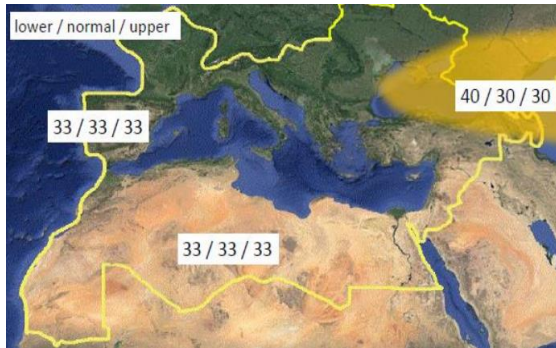


- Summer 2017 was wetter than normal over the center and south of Algeria, in the north and the south-east of Morocco and locally in small region in the south-west of Tunisia and south of Libya.
- Elsewhere precipitations were normal to below normal specially over Egypt and Libya.

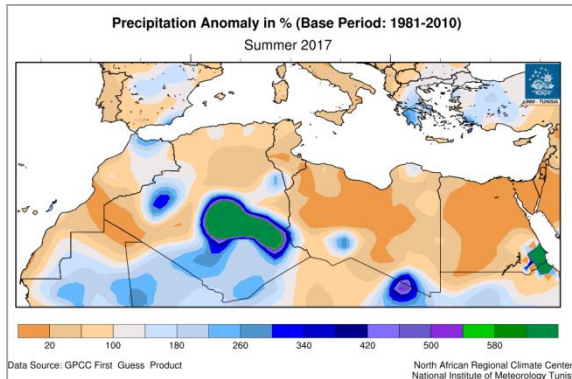


Verification of MedCOF-8 Climate Outlook In North Africa RA-I

JJA 2017 Precipitation



- Over the North African region, there was no preference for any climate defined categories.
- Summer 2017 was wetter than normal over the center and south of Algeria and locally in the north, south-east of Morocco, south-west of Tunisia and south of Libya. Elsewhere precipitations were normal to below normal specially over Egypt and Libya.

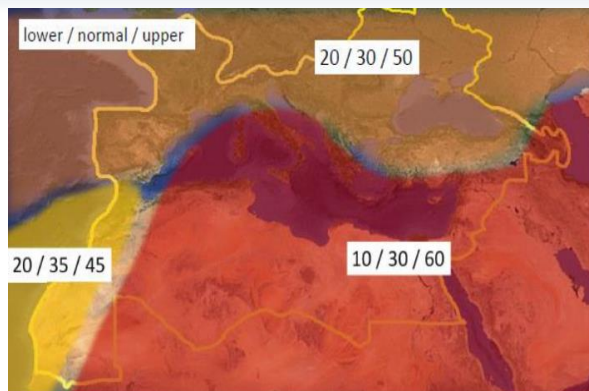


➔ MedCOF-8 precipitation prediction didn't give valuable information.

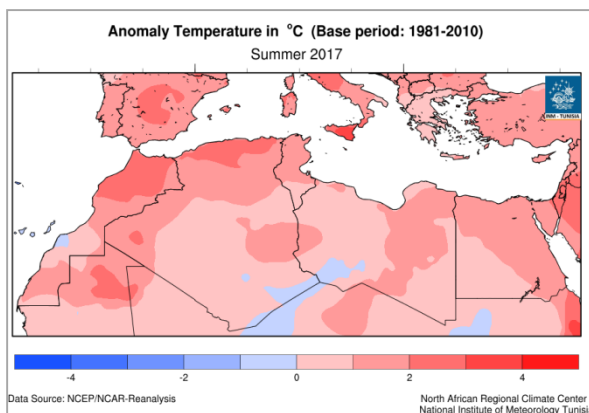


Verification of MedCOF-8 Climate Outlook In North Africa RA-I

JJA 2017 Temperature



- MedCOF-8 climate outlook for the 2017 summer season favored an above normal temperature over the entire North African domain with probability of 45% over western region and 60% elsewhere.
- Temperature anomalies were normal to above normal in almost all regions of North Africa. The upper tercile was mainly observed over North of Algeria and Morocco.



MedCOF-8 climate outlook for the summer season temperature was able to predict temperature anomalies registered for most of North African regions.



Verification of MedCOF-8 Climate Outlook JJA 2017

In North Africa RA-I

Country	Seasonal temperature (JJA)		Seasonal precipitation (JJA)		High impacts events
	Observed	MedCOF-8 climate outlook for temperature	Observed	MedCOF-8 climate outlook for precipitation	
Algeria*	Above normal in the north Normal to above normal elsewhere	Above normal <u>tercile</u>	Above normal in the south Below normal Elsewhere	No clear signal	No comment
Egypt*	Normal to above normal	Above normal <u>tercile</u>	Below normal	No clear signal	No comment
Libya*	Normal to above normal	Above normal <u>tercile</u>	Normal to above normal in the south Below normal elsewhere	No clear signal	No comment
Morocco (1)	Above normal	Above normal <u>tercile</u>	Below normal conditions except some area in the Middle Atlas ,the east Sahara	No clear signal	- Increase of heat wave frequency, period and intensity - The most severe heat wave last for 3 weeks - Increase of days with temperature exceeding 40° - Some absolute records of temperature were broken since 1968,1985 and 1988
Tunisia (1)	Above normal in the the north Normal to slightly above normal elsewhere	Above normal <u>tercile</u>	Above normal in the south-west and small region in the north-east Normal to below normal elsewhere	No clear signal	-06/06/2017: floods on the north of the country (Bizerte and Tunis) causing damage - 26-28/06/2017: heat wave -10-12/07/2017: heat wave: rise in temperature with sirocco shots. Maximum temperatures exceeded the normal of July and reached 42°C on the East coast and 46°C on the rest of the country.



Thanks 😊



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