Climate Monitoring from North-Africa

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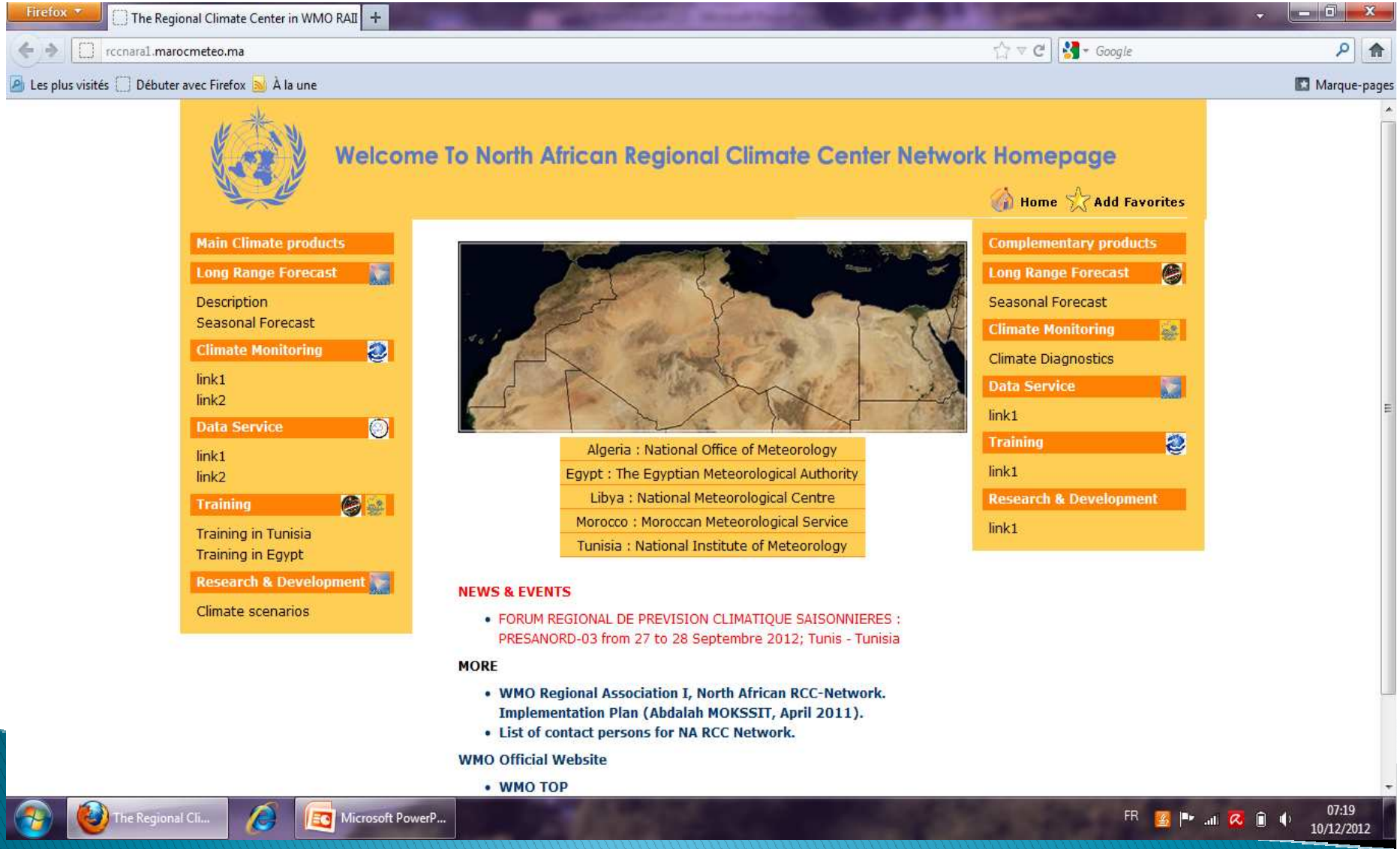
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link2
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link1
link2
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Climate scenarios
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Egypt : The Egyptian Meteorological Authority
Libya : National Meteorological Centre
Morocco : Moroccan Meteorological Service
Tunisia : National Institute of Meteorology
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Seasonal Forecast
Climate Monitoring
Climate Diagnostics
Data Service
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Training
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FORUM REGIONAL DE PREVISION CLIMATIQUE SAISONNIERES : PRESANORD-03 from 27 to 28 Septembre 2012; Tunis - Tunisia
MORE
WMO Regional Association I, North African RCC-Network. Implementation Plan (Abdalah MOKSSIT, April 2011).
List of contact persons for NA RCC Network.
WMO Official Website
WMO TOP
The Regional Cli...
Microsoft PowerP...
FR
07:19
10/12/2012

RA I North African RCC Network

	Mandatory functions				Highly recommended functions
	LRF	**Climate Monitoring**	**Data Services**	**Training**	
Lead	Morocco	Algeria	Libya	Egypt and **Tunisia**	Morocco
Co- Lead	Egypt	**Tunisia**	Morocco	Algeria	Algeria, Egypt, Libya, **Tunisia**

RCC _Climate Monitoring **(Products)**

- The National Institute of meteorology of Tunisia (NIM) as a co-lead of the function of Climate Monitoring for Regional Climate Centre Region I (North Africa) is called to perform climate diagnostics including analysis of climate variability and extremes.

- The first products which will be further developed in the years to come are available on the website :*http://www.meteo.tn/htmlen/donnees/climatemonitoring.php*

Products are based on the following data:

- Temperature and precipitation: observed data of 81 stations available in the area from the National Climatic Data Center (NCDC).


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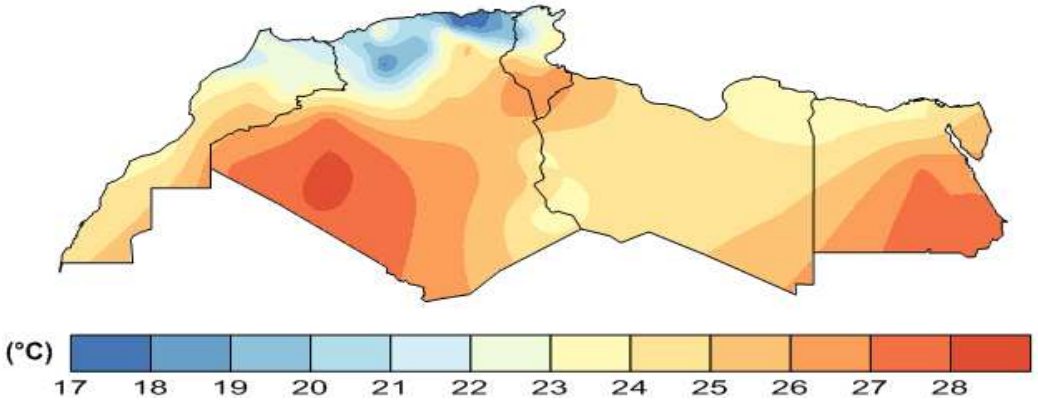
METEO DU JOUR
labeul
0° 22°
Zaghouan
17° 20°
Beja
16° 20°
EVENEMENTS

Climate Monitoring

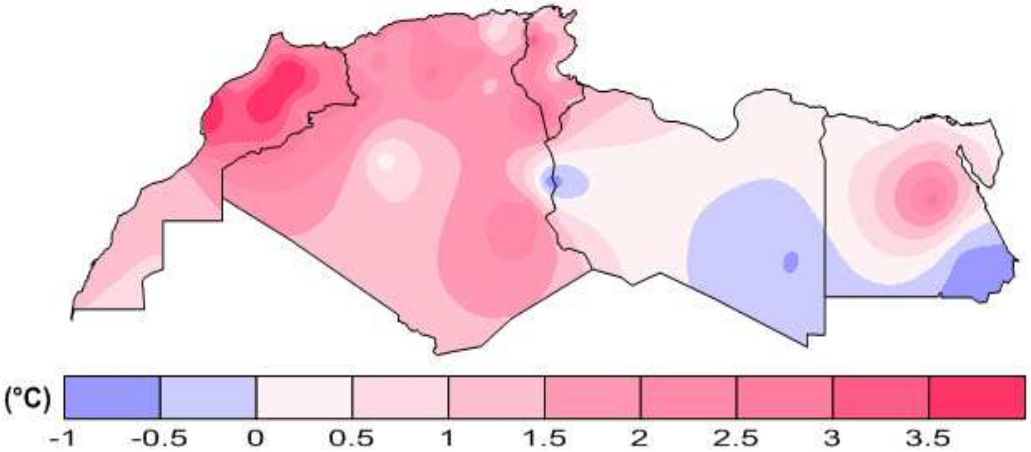
Monthly bulletin (October 2014)

Temperature

•In October 2014, it was warmer than normal over the most of North African region.
•Monthly mean total precipitation was below normal over most of the region.
•Maps of the Standardized Precipitation Index (SPI) (SPI October 2014
• (1month and 3 months)) show the region was around normal over the month.



Mean Temperature October 2014



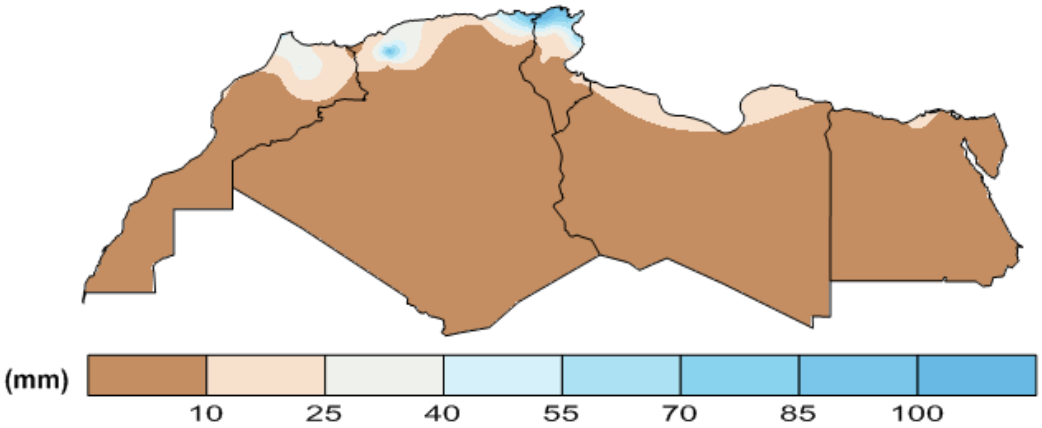
Temperature anomaly October 2014
(Reference period 1981-2010)

Climate Monitoring

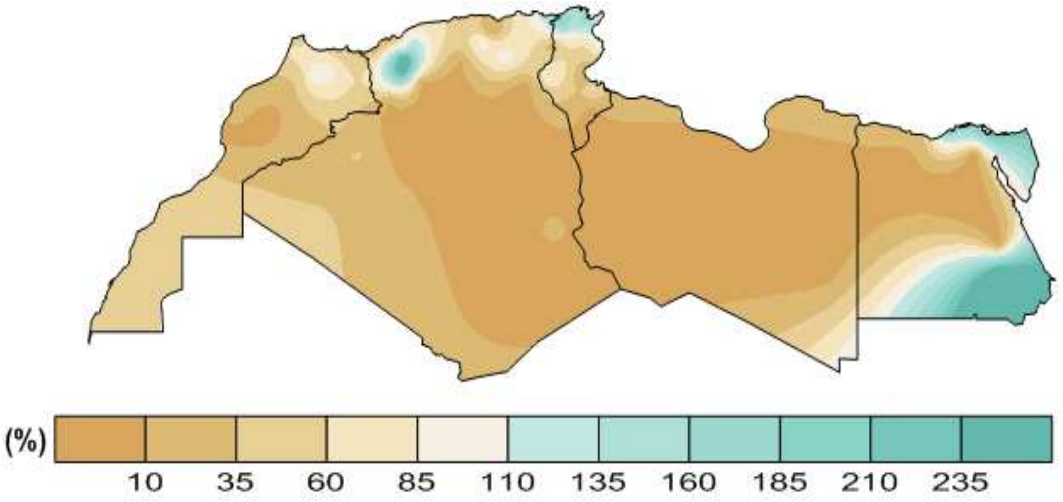
Monthly bulletin (October 2014)

Precipitation

The negative anomalies, ranging between 0-95%, were observed in Libya, the south of Tunisia, the major part of Algeria and in all of Morocco. It was above normal in the eastern Egypt, the north of Tunisia, and the extreme north-east of Algeria.



Total precipitation (mm) October 2014



Anomaly of precipitation ((percentage) October 2014 (Reference period 1981-2010)

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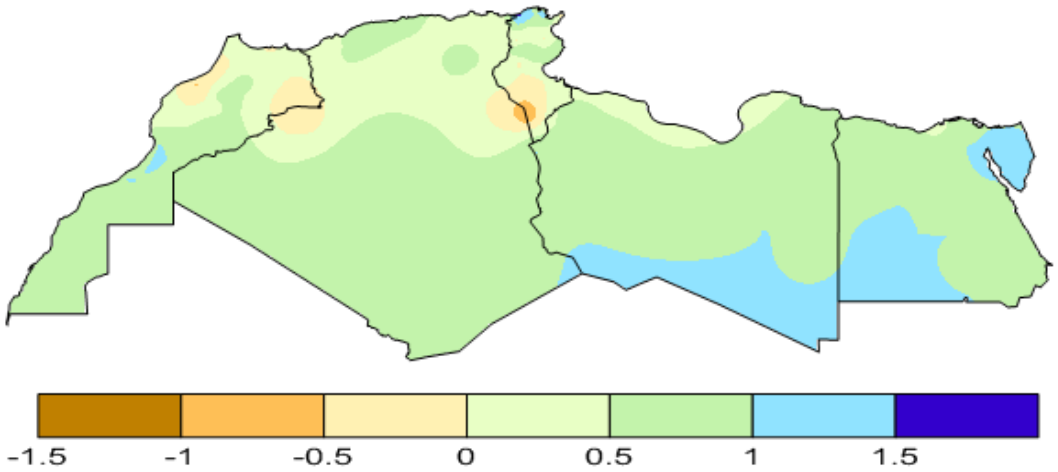
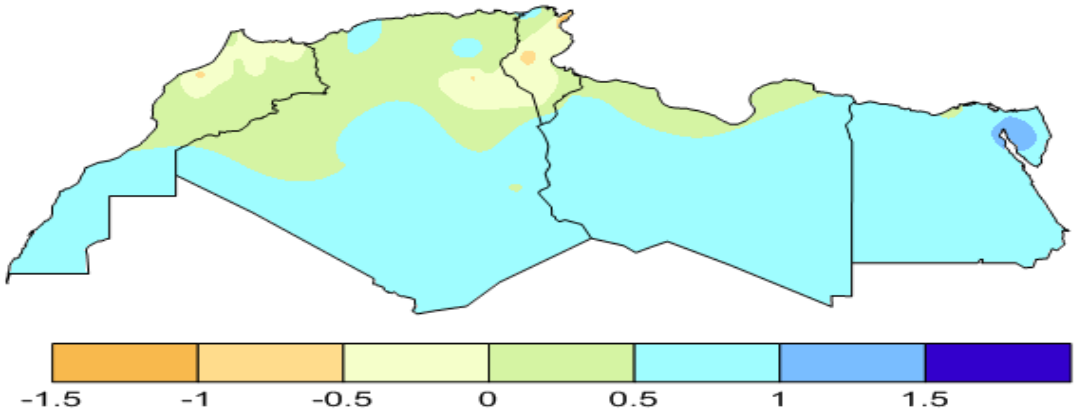
Monthly bulletin (October 2014)

Drought

SPI October 2014 (1month)



SPI October 2014 (3months)



Drought

The drought in the region during the month of October 2014 was noticed using the Standardized Precipitation Index (SPI) for scales 1 month and 3 months.

Maps of the Standardized Precipitation Index (SPI October 2014 scales 1 month and 3 months) show that the complete region was near normal over the month.

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Extremes Values

The following indices are given for many stations of region:

- **PX**: highest 24 hours total (in mm)
- **D0.5:** No. of days with precipitation >0.5mm/day(in days)
- **Pxcdd**: No. of successive days with precipitation <0.5mm/day
- **TN**: lowest mean minimum temperature (° C)
- **TNN**: lowest absolute minimum temperature (°C),
- **TX**: highest mean maximum temperature (°C)
- **TXX**: highest absolute maximum temperature (°C)

Climate Monitoring

Extremes Values (Summer 2014)

WMO N°	Station	TX (°C)	TXX (°C)	TN (°C)	TNN (°C)	RX1d (mm)	RX5d (mm)	RR10 (days)	RR20 (days)
607100	TABARKA	30.7	43.4	19.1	12.0	6	7	0	0
607140	BIZERTE	31.8	41.3	19.5	12.3	1	1	0	0
607150	TUNIS-CARTHAGE	33.8	42.8	21.3	14.5	4	4	0	0
607200	KELIBIA	30.1	34.0	21.7	16.8	2	3	0	0
607250	JENDOUBA	35.3	44.8	20.1	11.2	9	9	0	0
607350	KAIROUAN	36.5	46.1	22.2	15.5	20	21	2	0
607380	THALA	30.4	39.0	17.9	11.5	21	24	2	1
607400	MONASTIR-SKANES	31.8	44.7	22.9	15.9	22	24	1	1
607450	GAFSA	37.5	45.6	22.2	13.8	7	7	0	0
607480	SIDI BOUZID	36.6	43.7	20.2	14.8	20	20	1	1
607600	TOZEUR	38.1	45.4	25.4	17.5	58	58	1	1
607690	DJERBA MELLITA	32.5	42.8	23.6	18.0	12	12	1	0
607800	EL BORMA	41.6	48.4	25.5	15.3	2	2	0	0
601010	TANGER (AERODROME)	27.5	36.3	17.3	4.0	8	11	0	0
601050	LARACHE	26.9	39.8	18.1	13.2	9	18	0	0
601070	AL HOCEIMA	28.5	36.5	19.7	13.4	17	19	1	0
601150	OUJDA	32.9	43.0	17.9	12.3	8	8	0	0
601270	TAZA	35.2	43.7	20.4	15.5	7	7	0	0
601350	RABAT-SALE	26.0	31.2	15.7	9.7	1	1	0	0
601410	FES-SAIS	33.0	42.1	16.5	11.5	6	6	0	0
601500	MEKNES	31.4	40.3	16.0	9.0	2	2	0	0
601550	CASABLANCA	25.5	30.5	19.8	15.6	3	4	0	0
601560	NOUASSEUR	28.6	38.0	17.7	11.7	1	1	0	0
605490	MECHERIA	35.4	41.1	19.2	6.5	5	5	0	0
605550	TOUGGOURT	41.3	48.8	26.2	20.8	0	0	0	0
605590	EL-OUED	40.4	48.0	25.5	16.0	1	1	0	0
605600	AIN-SEFRA	36.8	41.7	21.1	10.3	10	10	0	0
605660	GHARDAIA	40.4	46.6	27.0	15.8	1	2	0	0
605710	BECHAR	39.2	44.3	25.8	14.0	0	0	0	0
605800	OUARGLA	42.9	50.4	27.0	17.0	2	2	0	0
605810	HASSI-MESSAOUD	42.5	49.9	27.4	16.5	0	1	0	0
605900	EL-GOLEA	41.5	47.0	25.9	15.5	3	3	0	0