

## Climate Watch (Serial No.: 20130311 – 00)

Initial/Updated/Final

Topic: Precipitation surplus	Warning:	0	No particular awareness
Organization issuing the statement: SEEVCCC		1	Potentially dangerous
		2	Dangerous
<u>Issued/ Amended / Cancelled</u>	11-03-2013 12:00 P.M.	3	Very dangerous

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Valid from – to: 11-03-2013 – 24-03-2013 Next amendment: 18-03-2013

Region of concern: South-eastern Europe

**„In most part of SEE precipitation surplus is expected, except in southern and eastern Greece, southern and eastern Turkey and in part of south Caucasus precipitation deficit is expected. The probability for these events is up to 90%. In most of Balkans temperature below normal, with anomaly from -1 °C up to -5 °C, while in Turkey and south Caucasus temperature above normal, from +1 °C up to +5 °C is expected. The probability for these events is up to 90%“.**

### Monitoring

In the period from March 03<sup>rd</sup> to 09<sup>th</sup> almost in whole SEE region mean temperature was above normal 1981-2010<sup>1</sup>, from +1 °C up to +5 °C. In most of SEE region precipitation amount was up to 25 mm, except in costal regions where precipitation up to 100 mm was recorded.

### Outlook

Within the first week (March 11<sup>th</sup> to 17<sup>th</sup>, 2013), ECMWF mounthly forecast predicts in most of Balkans temperature below normal, with anomaly from -1 °C up to -5 °C, while in Turkey and south Caucasus temperature above normal, from +1 °C up to +5 °C is expected. The probability for these events is up to 90%. In most part of SEE precipitation surplus is expected, except in southern and eastern Greece, southern and eastern Turkey and in part of south Caucasus precipitation deficit is expected. The probability for these events is up to 90%.

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<sup>1</sup> Reference climatological period is the 1981-2010 period

During the second week (March 18<sup>th</sup> to 24<sup>th</sup>, 2013) temperature above normal is expected in most part of Greece, in Turkey and south Caucasus, with anomaly from +1 °C up to +3 °C, with probability around 70%. In rest of the region average temperature is expected. Normal to dry weather conditions is expected in whole SEE region, with probability around 70%.

In the period from March 11<sup>th</sup> to April 07<sup>th</sup>, in most part of Croatia, northern Bosnia and Herzegovina, northern Serbia, central and eastern Romania and in Moldova temperature below normal is expected with anomaly around -2 °C. In most part of Greece, southern Bulgaria, in Turkey and south Caucasus temperature above normal, from +1 °C up to +3 °C is expected. Probability for these events is around 80%. Over Balkans normal to wet weather conditions is expected, with probability around 80%.

During the following three months (March, April, May) SEEVCCC seasonal forecast predict temperature above normal, with anomaly up to +2 °C, in most of Balkans, southeastern and part of central Turkey and in South Caucasus. Precipitation surplus is expected in south Caucasus, northeast Turkey and northwest Romania. In rest of SEE region normal to dry weather is expected.

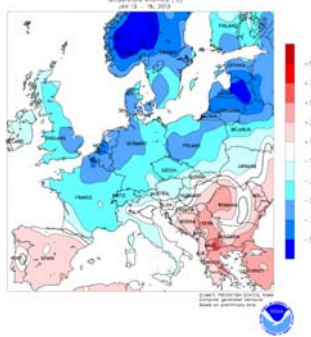
## **Update**

An updated statement will be issued on 18-03-2013.

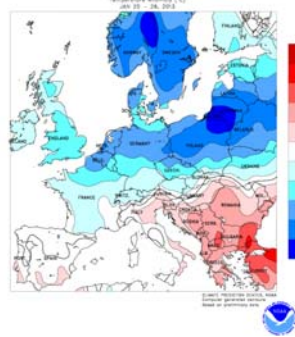
For further information please contact [cws-seevccc@hidmet.gov.rs](mailto:cws-seevccc@hidmet.gov.rs)

## ANNEX

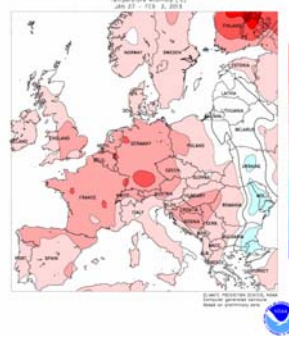
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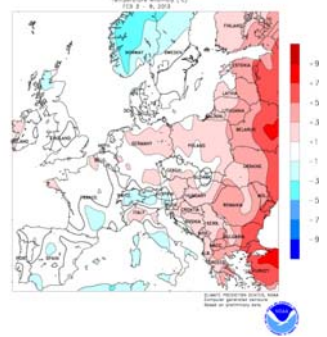
20-1 -2013– 26-1-2013



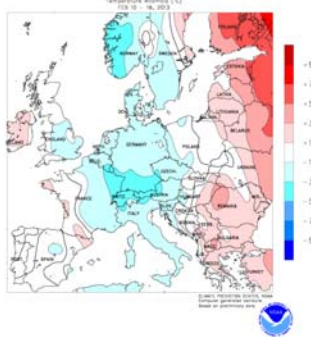
27-1 -2013– 2-2-2013



3-2 -2013– 9-2-2013



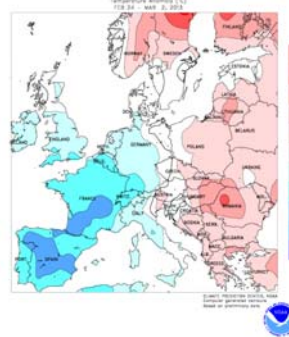
10-2 -2013– 16-2-2013



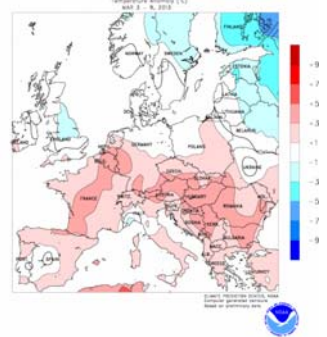
17-2 -2013– 23-2-2013



24-2 -2013– 2-3-2013

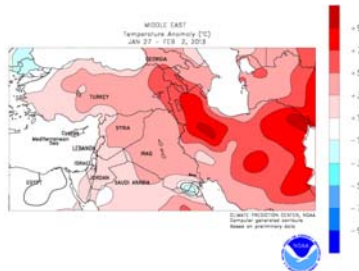


3-3 -2013– 9-3-2013

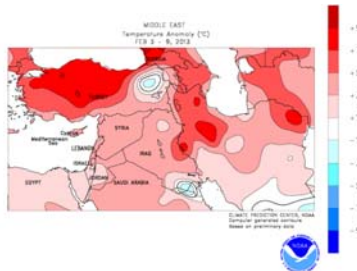


**Figure 1.** Temperature anomaly for recent weeks (source: Climate Prediction Center, USA)

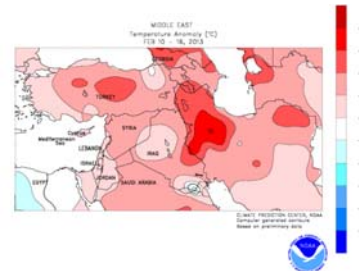
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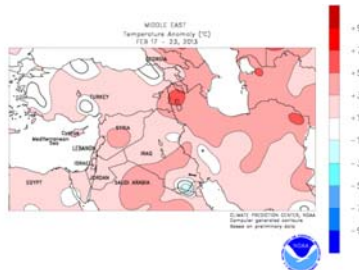
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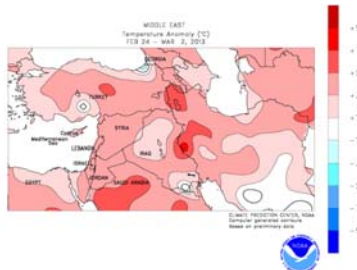
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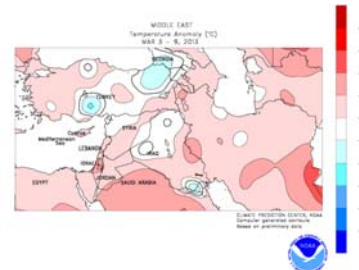
17-2 -2013– 23-2-2013



24-2 -2013– 2-3-2013

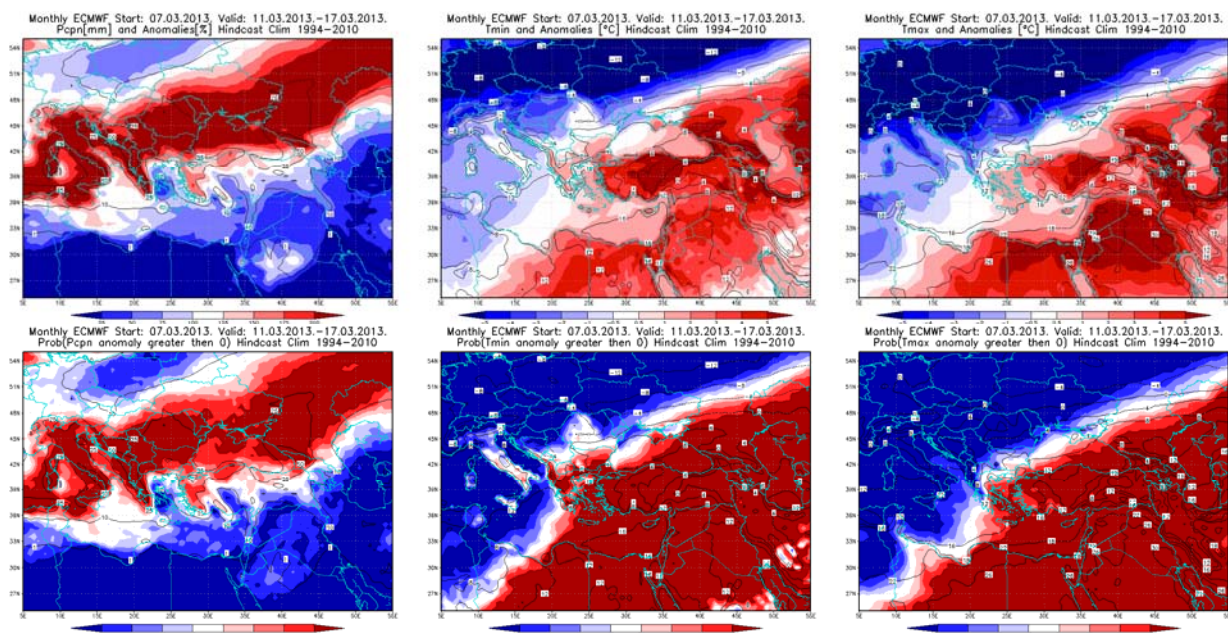


3-3 -2013– 9-3-2013

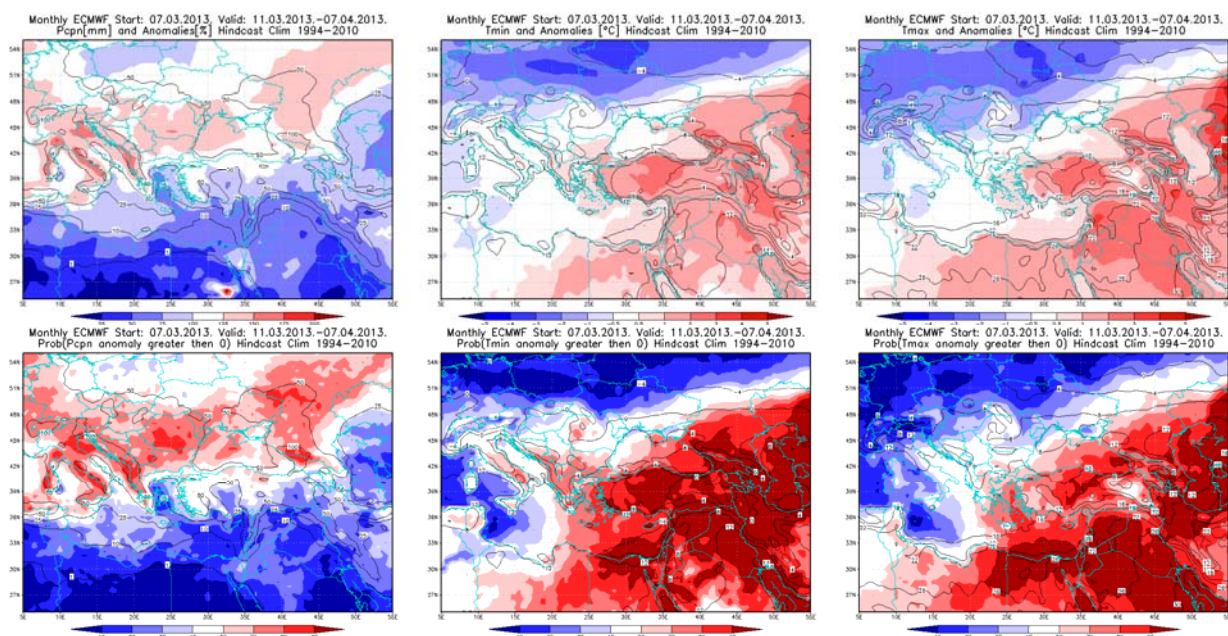


**Figure 2.** Temperature anomaly for recent weeks for Middle East (source: Climate Prediction Center, USA)

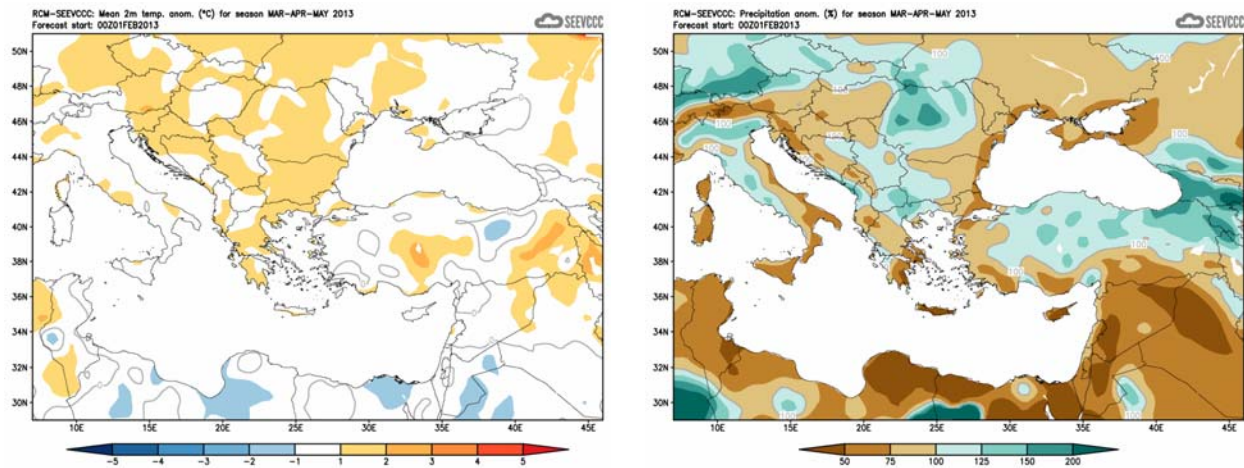




**Figure 3.** Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 11 –17.03.2013 period



**Figure 4.** Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 11.03– 07.04.2013 period



**Figure 5.** Mean seasonal temperature and precipitation anomaly for the season MAM (seasonal outlook of RCM – SEEVCCC)

### Sources

- Republic Hydrometeorological Service of Serbia ([www.hidmet.gov.rs](http://www.hidmet.gov.rs) )
- South East European Virtual Climate Change Center ([www.seevccc.rs](http://www.seevccc.rs) )
- European Center for Medium-range Weather Forecasts (<http://www.ecmwf.int/> )
- Climate Prediction Center USA (<http://www.cpc.ncep.noaa.gov/> )
- Deutscher Wetterdienst (<http://www.dwd.de/> )