

## Climate Watch (Serial No.: 20130429 – 00)

Initial/Updated/Final

Topic: Precipitation surplus

Warning:

0 No particular awareness

Organization issuing the statement: SEEVCCC

1 Potentially dangerous

2 Dangerous

Issued/ Amended / 29-04-2013 12:00 P.M.  
Cancelled

3 Very dangerous

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Valid from – to: 29-04-2013 – 12-05-2013 Next amendment: 06-05-2013

Region of concern: South-eastern Europe

**„Continuation of the warm weather with temperature above normal is expected next week in the entire SEE region, with probability for exceeding upper tercile up to 90%. Expected anomaly is around +5 °C. In Moldova, south Caucasus and most of Turkey this weather condition will continue until mid-May with probability around 70%. During next week, precipitation deficit is also expected in the SEE region, with probability for lower tercile, in most parts, around 80% “.**

### Monitoring

In the period from April 21<sup>st</sup> to 27<sup>th</sup> in Balkans and westernmost Turkey temperature above normal 1981-2010<sup>1</sup>, with anomaly from +1 °C to +7 °C was recorded. Maximum daily air temperatures exceeded 30 °C in central Serbia and in some parts of Romania and Moldova. In eastern and part of central Turkey and mostly over south Caucasus below normal temperature, with anomaly around -3 °C was recorded. In most parts of SEE region precipitation was up to 10 mm, except in southernmost Bosnia and Herzegovina and small part of south Caucasus where sums amounted to 100mm.

### Outlook

Within the first week (April 29<sup>th</sup> to May 05<sup>th</sup>, 2013), ECMWF monthly forecast predicts above normal temperature in the entire SEE region, with anomaly up to +5 °C, even in part of Turkey and south Caucasus. The probability for exceeding upper tercile is up to 90%. Precipitation

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

deficit is expected in the SEE region, with probability for lower tercile, in most parts, around 80%.

During the second week (May 5<sup>th</sup> to 12<sup>th</sup>, 2013) in Moldova, south Caucasus and most of Turkey above normal temperature, with anomaly up to +2 °C, is expected. Probability for exceeding upper tercile is around 70%. In most part of SEE region precipitation surplus is expected, with probability around 60%.

In the period from April 29<sup>th</sup> to May 26<sup>th</sup>, temperature above upper tercile is expected, with anomaly up to +2 °C in south Caucasus, Turkey, Moldova, Romania and Bulgaria. The probability is around 80%. Average amount of precipitation is expected in the entire SEE region. The probability is around 80%.

During the following three months (May, Jun, July) SEEVCCC seasonal forecast predicts above normal temperature, with anomaly from +1 °C up to +4 °C, in the Balkans and part of southern Turkey. Temperature below normal, with anomaly around -2 °C, is expected in central part of Turkey. Precipitation deficit is expected in northern and southern Serbia, southern and southwestern Bosnia and Herzegovina, Croatia, most parts of Montenegro, south Albania, Moldova, southeastern Bulgaria, eastern Romania, along the costal region of Greece, western Turkey. Precipitation surplus is expected in central Romania, part of northern Turkey and south Caucasus.

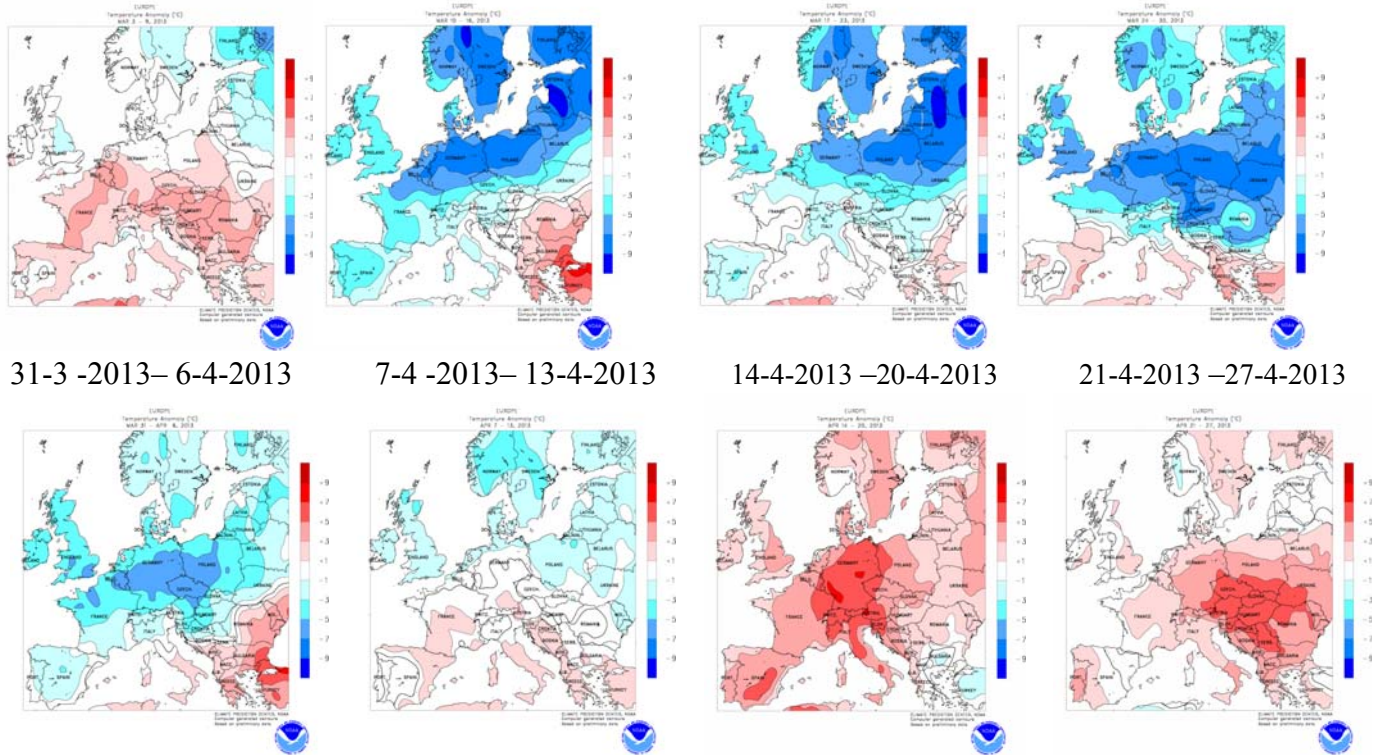
## **Update**

An updated statement will be issued on 06-05-2013.

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

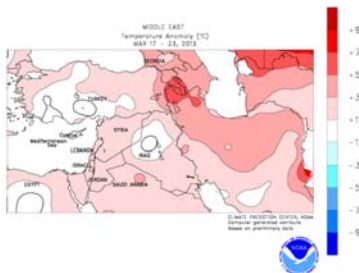
## ANNEX

3-3 -2013– 9-3-2013      10-3 -2013– 16-3-2013      17-3 -2013– 23-3-2013      24-3 -2013– 30-3-2013

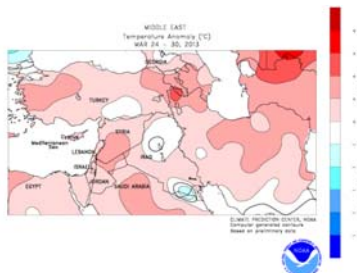


**Figure 1.** Temperature anomaly for recent weeks (source: Climate Prediction Center, USA)

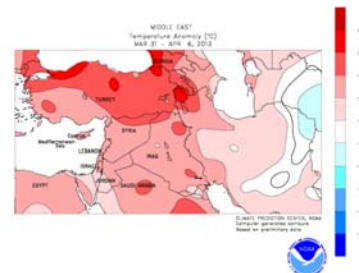
17-3 -2013– 23-3-2013



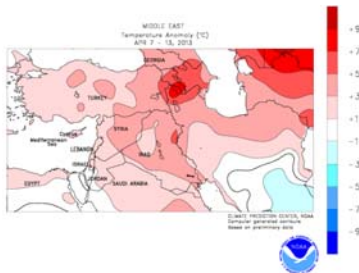
24-3 -2013– 30-3-2013



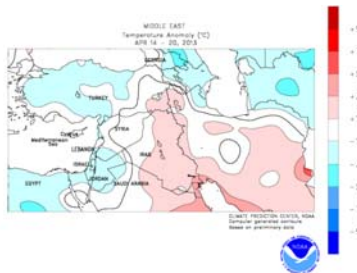
31-3 -2013– 6-4-2013



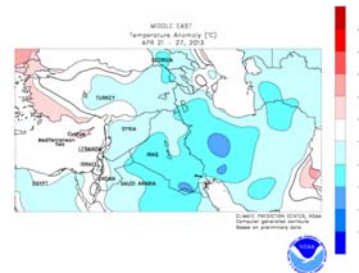
7-4 -2013– 13-4-2013



14-4-2013– 20-4-2013

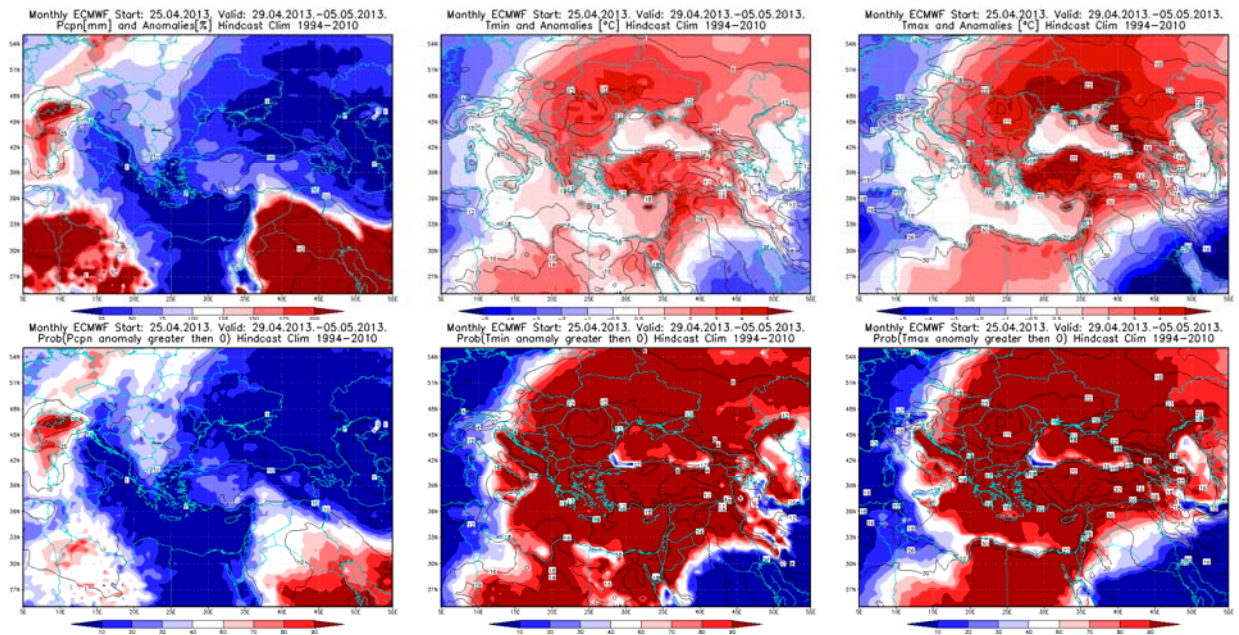


21-4-2013 –27-4-2013

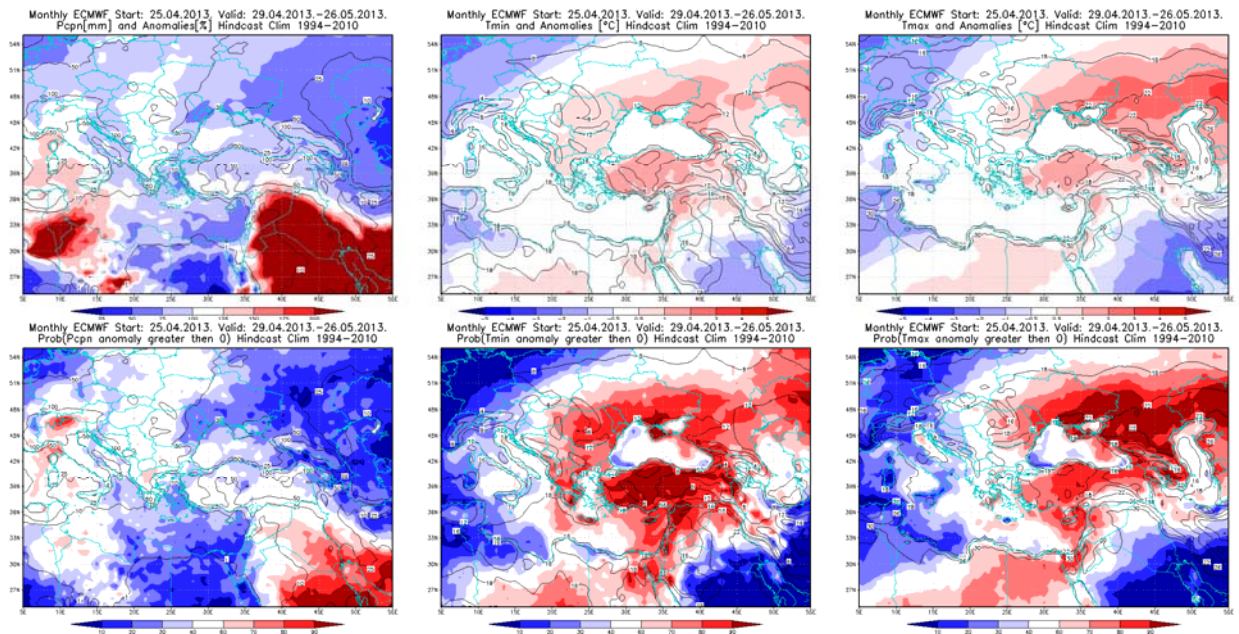


**Figure2.** Temperature anomaly for recent weeks for Middle East (source: Climate Prediction Center, USA)

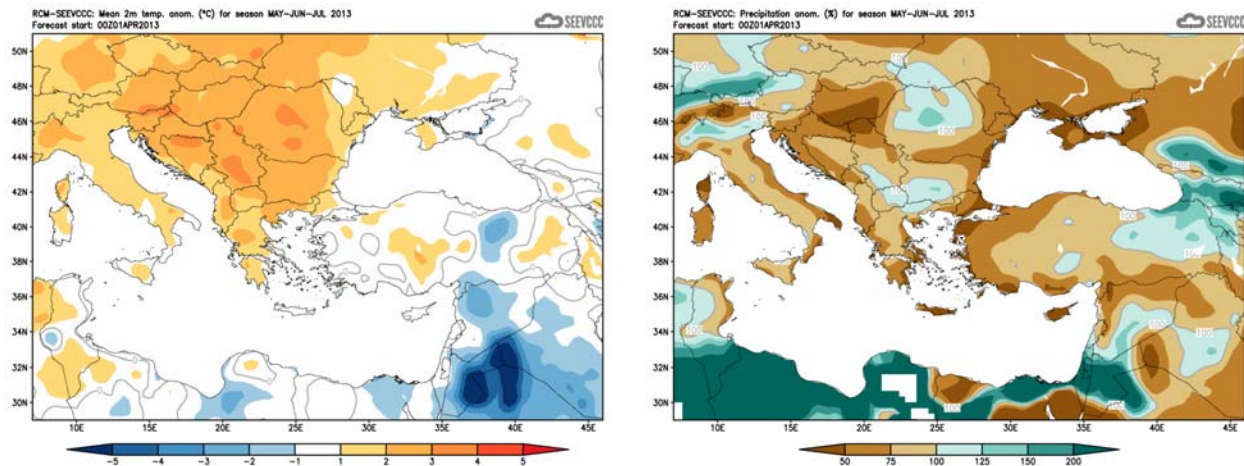




**Figure 3.** Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 29.04–05.05.2013 period



**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 29.04–26.05.2013 period



**Figure 5.** Mean seasonal temperature and precipitation anomaly for the season MJJ (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/> )