## Climate Watch (Serial No.: 20130507 – 00)

Initial/Updated/Final

| | | | |
|---|---|---|---|
| Topic: Precipitation surplus | Warning: | 0 | No particular awareness |
| Organization issuing the statement: SEEVCCC | | 1 | Potentially dangerous |
| | | 2 | Dangerous |
| Issued/ Amended / Cancelled: 07-05-2013 12:00 P.M. | | 3 | Very dangerous |

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Valid from – to: 07-05-2013 – 19-05-2013 Next amendment: 13-05-2013

Region of concern: South-eastern Europe

**„Continuation of warm weather with temperature above normal is expected next week in whole SEE region, with probability for exceeding upper tercil up to 90%. Expected anomaly is up to +3 $^{o}$C. In most of the region this weather condition will continue till the begining of Jun and probability is around 80%. Also, during next week, precipitation surplus is expected in most of SEE region, with probability around 70% ".**

### Monitoring

In the period from April 28$^{th}$ to May 04$^{th}$ in whole SEE region temperature above normal 1981-2010[1], with anomaly from +3 $^{o}$C to +9 $^{o}$C was recorded. Daily maxima were exceeded 30 $^{o}$C in most part of Balkans. In whole region precipitation amount was up to 10 mm.

### Outlook

Within the first week (May 06$^{th}$ to 12$^{th}$, 2013), ECMWF mounthly forecast predicts above normal temperature in whole SEE region, with anomaly from +1 $^{o}$C up to +3 $^{o}$C. The probability for exceeding upper tercil is up to 90%. Precipitation surplus is expected in most of SEE region, except in Moldova, Romania, Bulgaria and central Turkey where deficit is expected. Probability is around 70%.

During the second week (May 13$^{th}$ to 19$^{th}$, 2013) in eastern Turkey and south Caucasus below normal temperature, with anomaly from -1 $^{o}$C up to -3 $^{o}$C, is expected. Probability for exceeding

[1] Reference climatological period is the 1981-2010 period

lower tercil is up to 80%. Precipitation surplus is expected in most of SEE region, except in Moldova, southeastern Romania and eastern Bulgaria where deficit is expected. Probability is around 70%.

In the period from May 06$^{th}$ to Jun 02$^{nd}$, in most of SEE region temperature above normal is expected, with anomaly around +2 $^{o}$C. The probability is around 80%. Precipitation surplus is expected in most of SEE region, except in Moldova, most part of Romania and Bulgaria where deficit is expected. Probability is around 70%.

During the following three months (May, Jun, July) SEEVCCC seasonal forecast predicts above normal temperature, with anomaly from +1 $^{o}$C up to +4 $^{o}$C, in the Balkans and part of southern Turkey. Temperature below normal, with anomaly around -2 $^{o}$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. While surplus is expected in central Romania, part of northern Turkey and south Caucasus.

**Update**

An updated statement will be issued on 13-05-2013.

For further information please contact cws-seevccc@hidmet.gov.rs

**ANNEX**

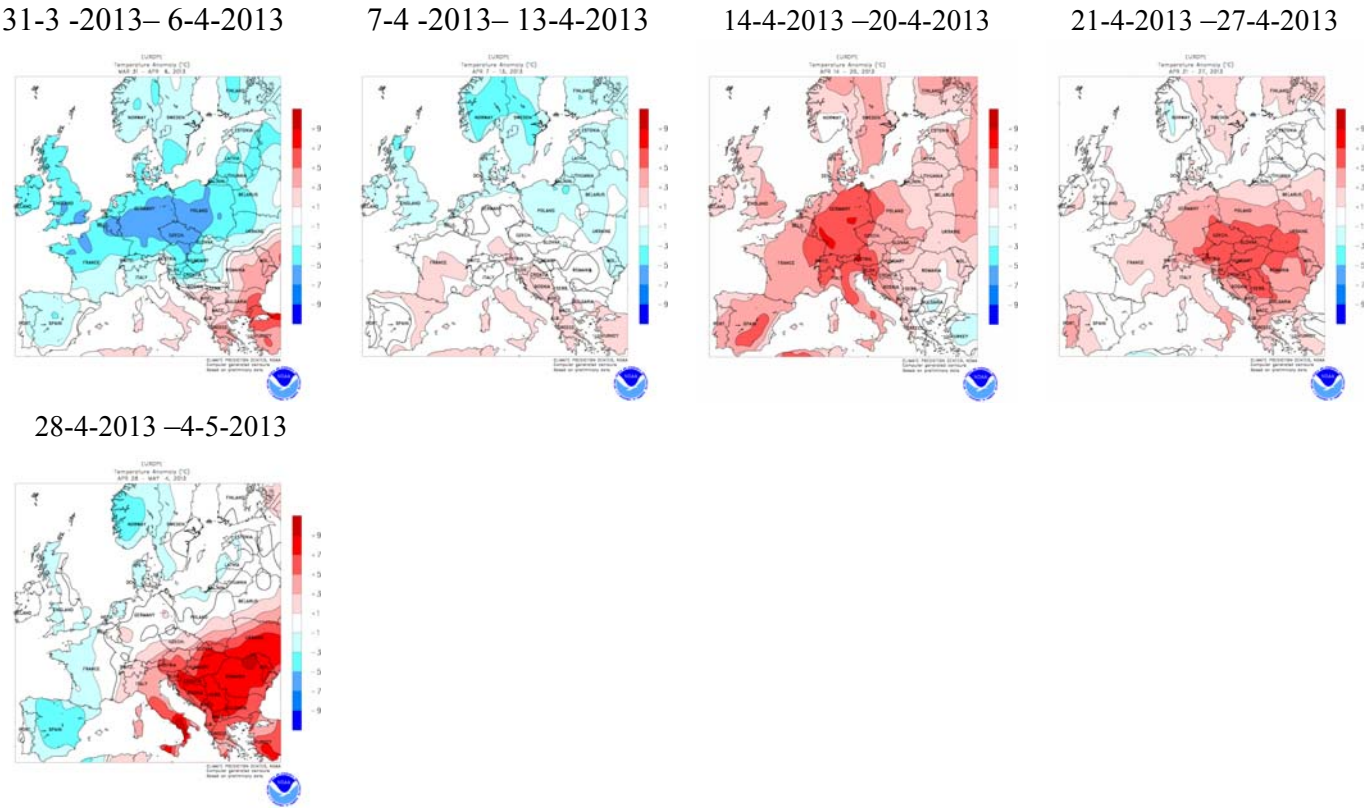


**Figure 1.** Temperature anomaly for recent weeks (source: Climate Predication Center, USA)

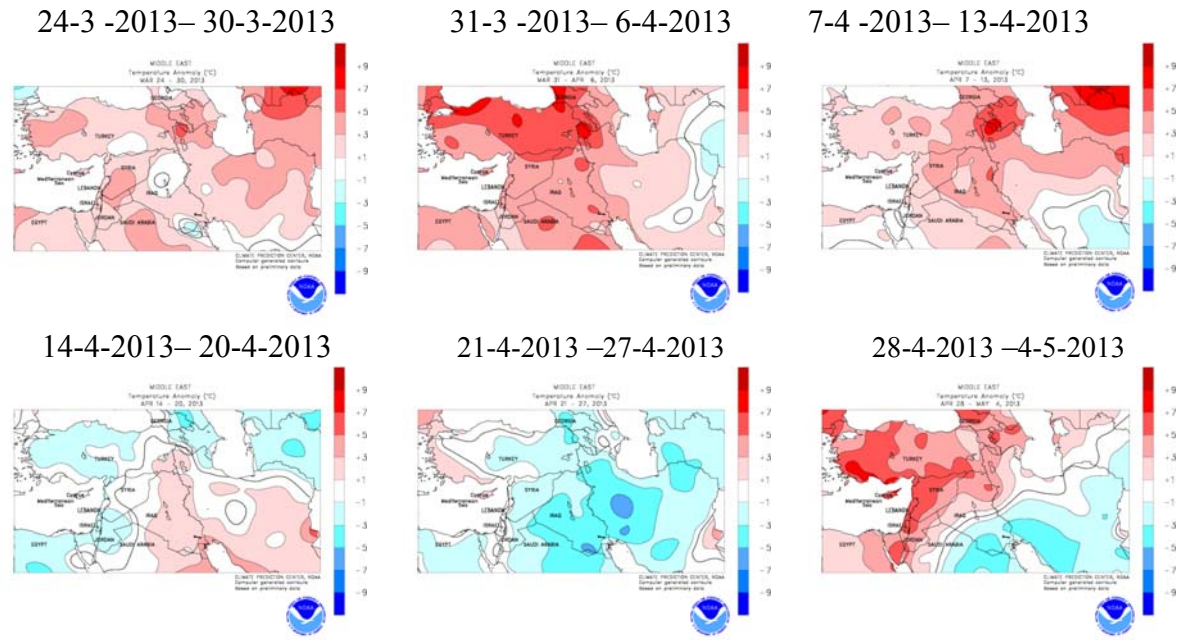


**Figure2.** Temperature anomaly for recent weeks for Middle East (source: Climate Predication Center, USA

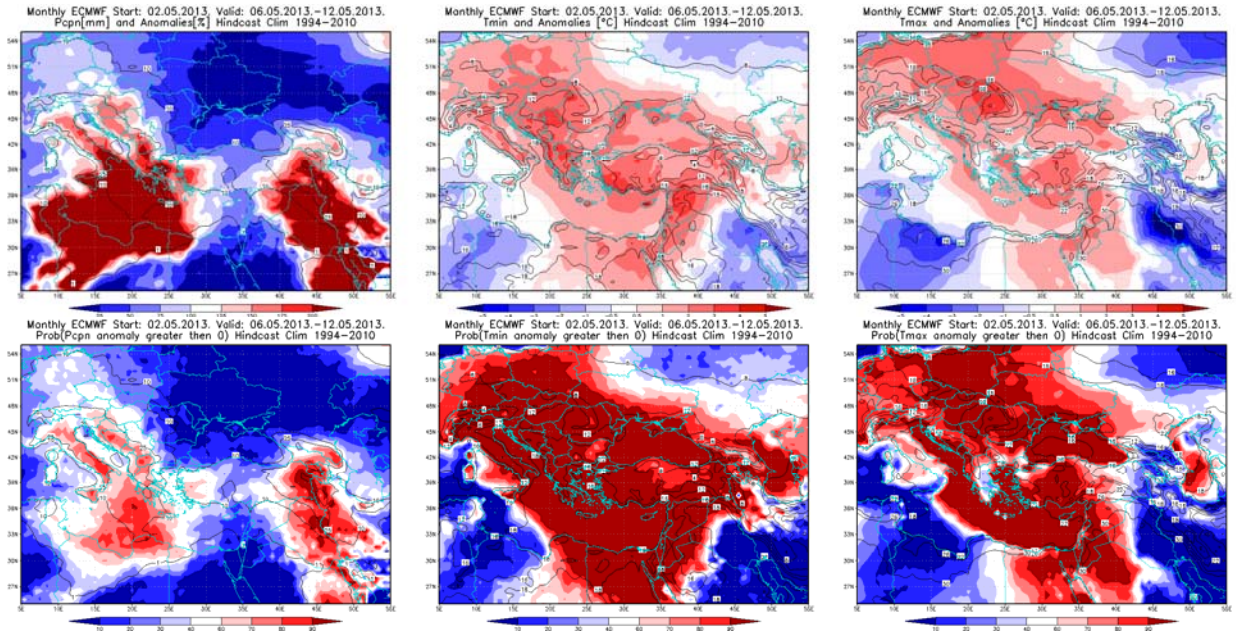


**Figure 3.** Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 06 –12.05.2013 period

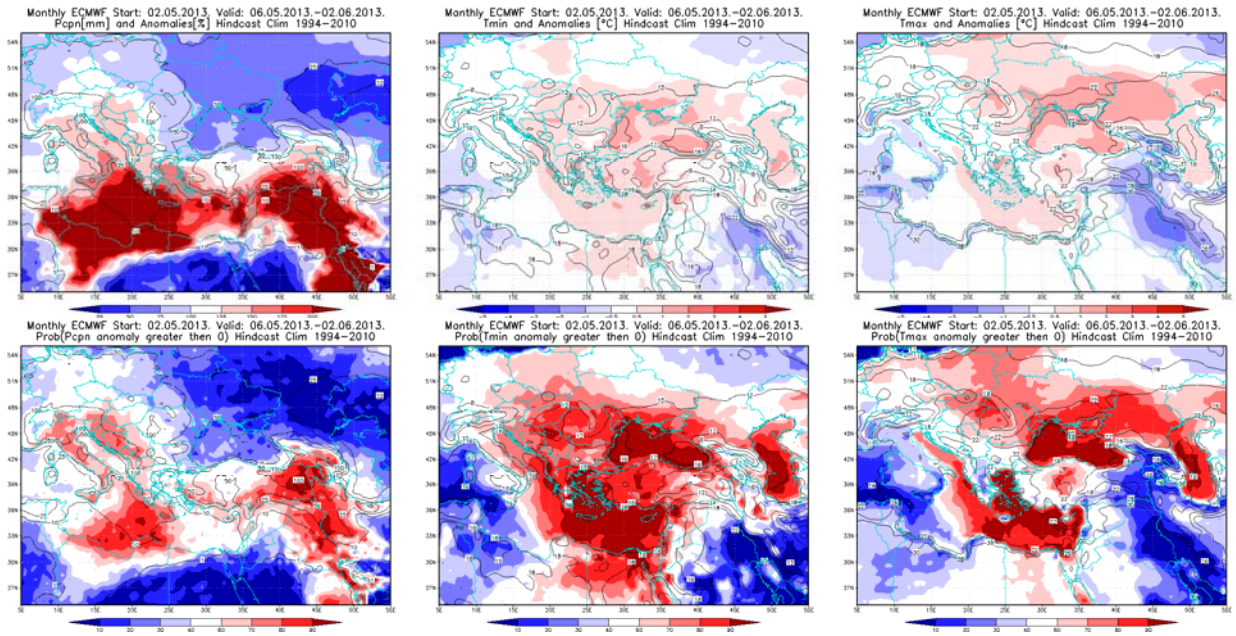


**Figure 4.** Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 06.05– 02.06.2013 period

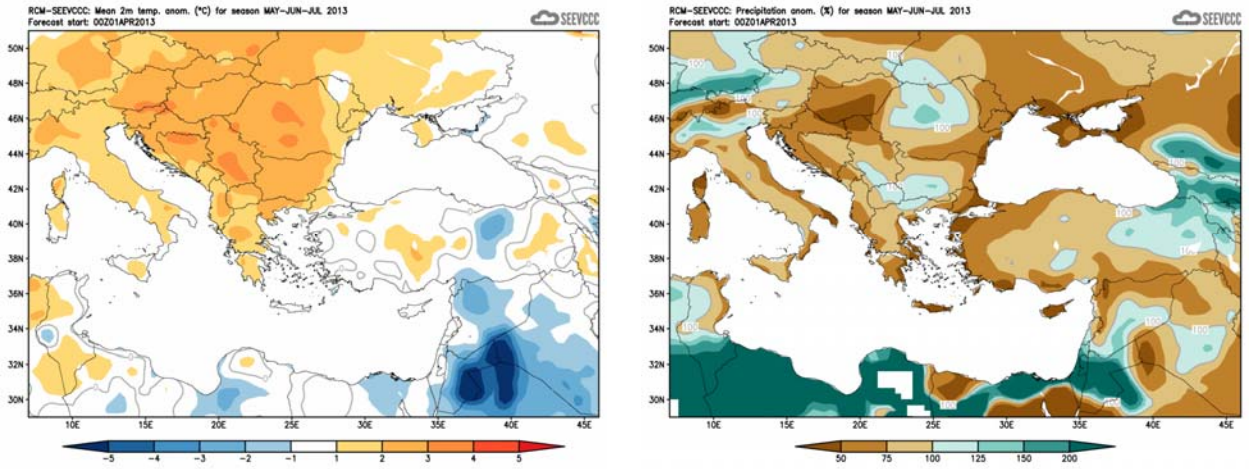


**Figure 5.** Mean seasonal temperature and precipitation anomaly for the season MJJ (seasonal outlook of RCM – SEEVCCC)

## Sources

- Republic Hydrometeorological Service of Serbia (www.hidmet.gov.rs )
- South East European Virtual Climate Change Center (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/ )