

Climate Watch (Serial No.: 20130513 – 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>	13-05-2013 12:00 P.M.	3	Very dangerous

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Valid from – to: 13-05-2013 – 26-05-2013 Next amendment: 20-05-2013

Region of concern: South-eastern Europe

„ Next week in Moldova, Romania, eastern Bulgaria, south Caucasus and along costal regions above normal temperature is expected, while in Croatia, Bosnia and Herzegovina, Montenegro and southernmost Turkey below normal temperature is expected. The probability for exceeding upper/lower tercile is up to 90%. Precipitation surplus is expected along Adriatic, Ionian and Aegean coast, Turkey and south Caucasus. Probability for exceeding upper tercile is around 80%. For whole month, in costal region and Turkey, probability for precipitation surplus, amount above upper tercile, is around 80% “.

Monitoring

In the period from May 05th to 11th in whole SEE region temperature above normal 1981-2010¹, with anomaly from +1 °C up to +5 °C was recorded. Over western Balkans and southeastern Turkey precipitation amount was up to 100 mm, while in rest of the region no significant amount was recorded.

Outlook

Within the first week (May 13th to 19th, 2013), ECMWF mounthly forecast predicts above normal temperature, with anomaly from +1 °C up to +3 °C, in Moldova, Romania, eastern Bulgaria, south Caucasus and along costal regions, while in Croatia, Bosnia and Herzegovina, Montenegro and southernmost Turkey below normal temperature, with anomaly from -1 °C up to -3 °C, is expected. The probability for exceeding upper/lower tercile is up to 90%. Precipitation surplus is

¹ Reference climatological period is the 1981-2010 period

expected along Adriatic, Ionian and Aegean coast, Turkey and south Caucasus. Probability for exceeding upper tercile is around 80%.

During the second week (May 20th to 26th, 2013) in western Balkans and southernmost Turkey below normal temperature, with anomaly from -1 °C up to -3 °C is expected. Temperature above normal, with anomaly from +1 °C up to +3 °C, is expected in Moldova, easternmost Romania, south Caucasus and along Aegean coast. Probability for these events is around 80%. Precipitation surplus is expected in most of SEE region, with probability around 60%.

In the period from May 13th to Jun 09th, in Moldova, most of Romania, part of south Caucasus and along Aegean coast temperature above normal is expected, with anomaly around +2 °C, while below normal temperature, with anomaly around -1 °C, is expected in Croatia, Bosnia and Herzegovina, Montenegro, Albania and fYR of Macedonia. The probability is around 80%. Precipitation surplus is expected in coastal regions and Turkey. Probability for exceeding upper tercile 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 coastal region of Greece, western Turkey. While surplus is expected in central Romania, part of northern Turkey and south Caucasus.

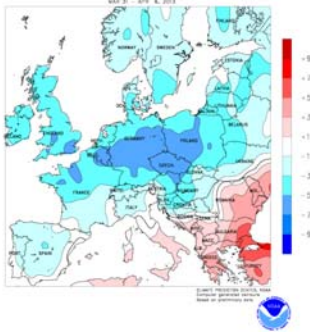
Update

An updated statement will be issued on 20-05-2013.

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

ANNEX

31-3 -2013– 6-4-2013



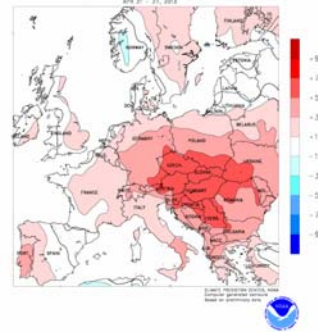
7-4 -2013– 13-4-2013



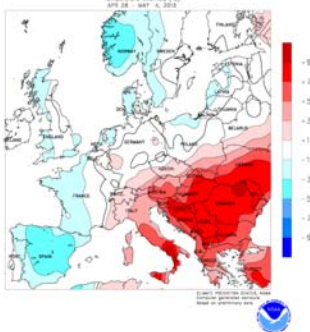
14-4-2013 –20-4-2013



21-4-2013 –27-4-2013



28-4-2013 –4-5-2013



5-5-2013 –11-5-2013

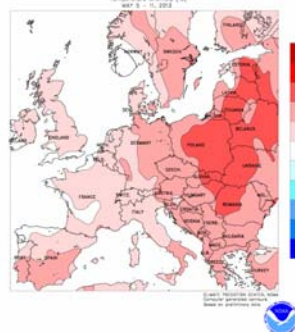
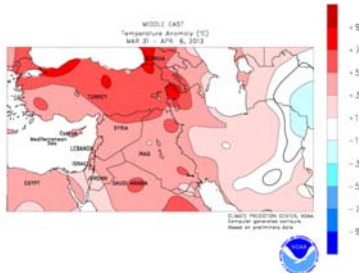
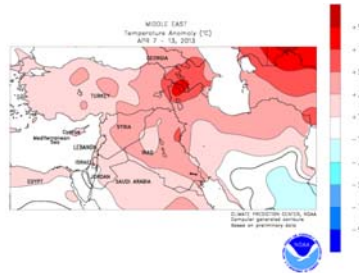


Figure 1. Temperature anomaly for recent weeks (source: Climate Prediction Center, USA)

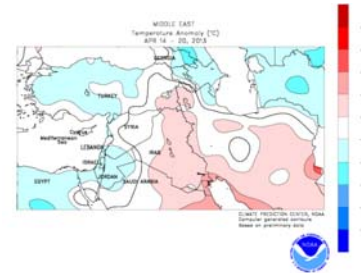
31-3 -2013– 6-4-2013



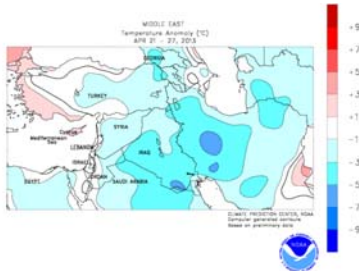
7-4 -2013– 13-4-2013



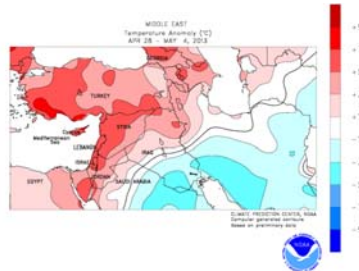
14-4-2013 –20-4-2013



21-4-2013 –27-4-2013



28-4-2013 –4-5-2013



5-5-2013 –11-5-2013

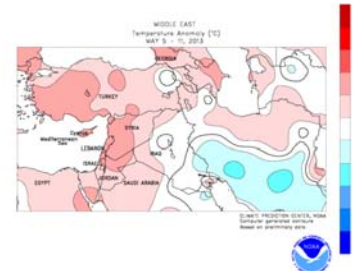


Figure2. Temperature anomaly for recent weeks for Middle East (source: Climate Prediction Center, USA)

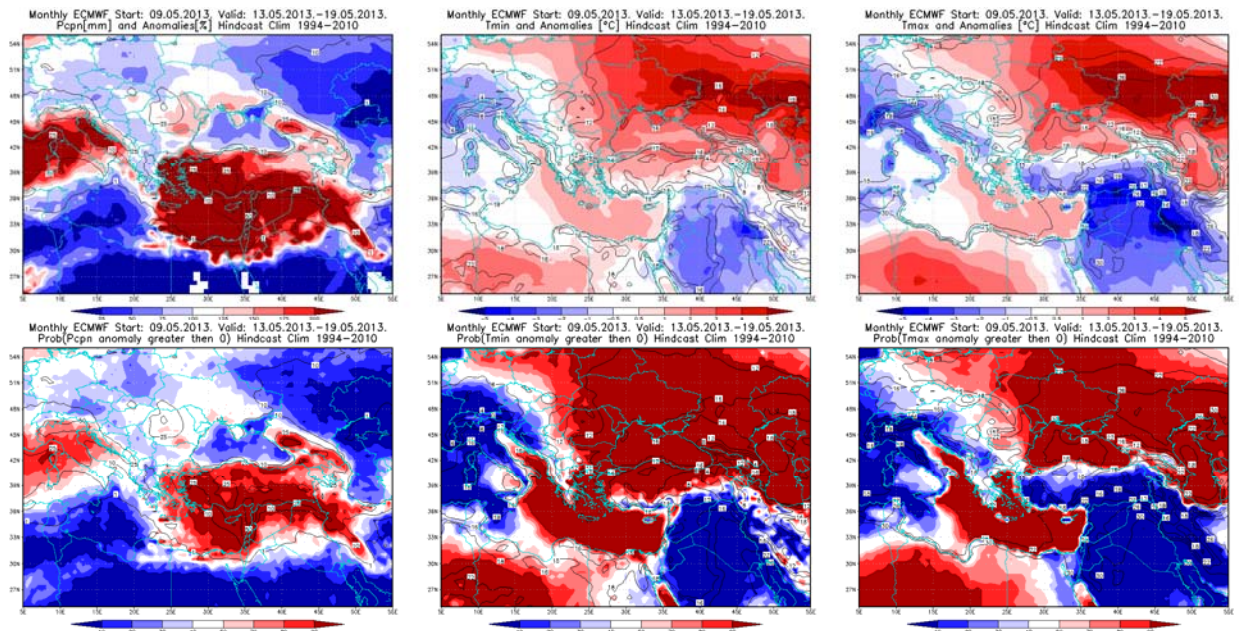


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 13 –19.05.2013 period

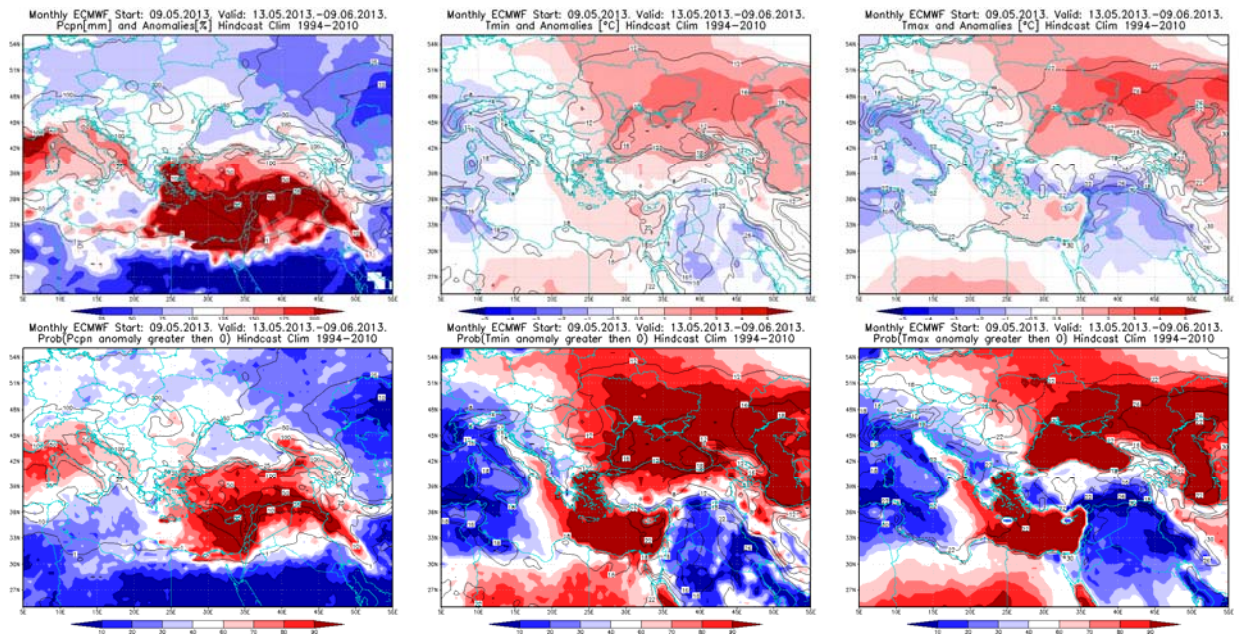


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 13.05– 09.06.2013 period

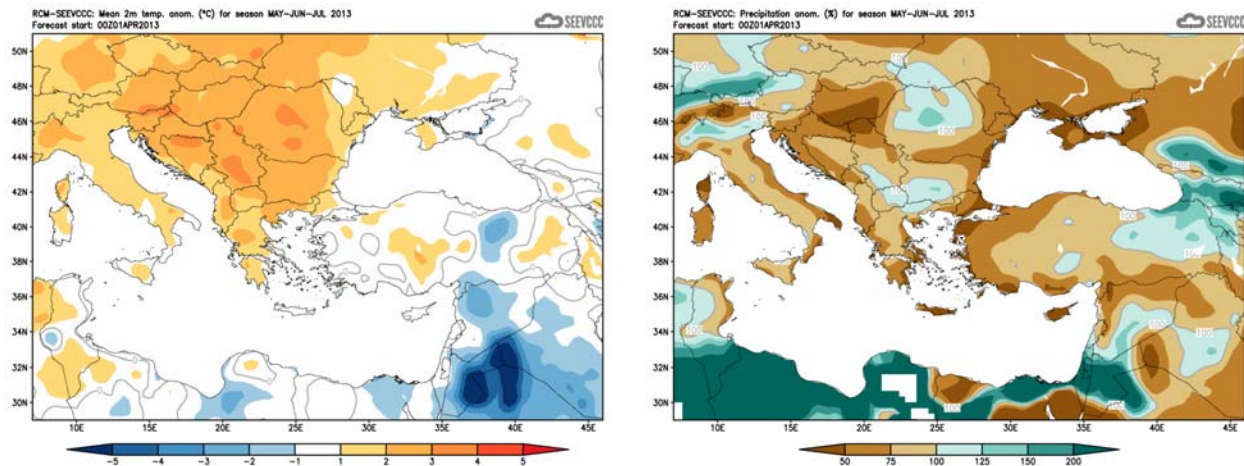


Figure 5. Mean seasonal temperature and precipitation anomaly for the season MJJ (seasonal outlook for RCM – SEEVCCC)

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/>)