

Climate Watch (Serial No.: 20130408 – 00)

Initial/Updated/Final

Topic: Precipitation surplus	Warning:	0	No particular awareness
Organization issuing the statement: SEEVCCC		1	Potentially dangerous
		2	Dangerous
		3	Very dangerous
<u>Issued/ Amended /</u> Cancelled	8-4-2013 12:00 P.M.		
Contact:	E-mail: cws-seevccc@hidmet.gov.rs Phone: +38112066925 Fax: +38112066929		
Valid from – to:	8-4-2013 – 21-4-2013	Next amendment:	15-4-2013

Region of concern: South-eastern Europe

„Below normal temperature is expected in the most part of the SEE region, with anomaly from -1 °C up to -3 °C. In coastal part of Croatia, southern and central part of Turkey, normal temperature is expected. Above normal temperature, with anomaly around +2 °C, is expected in eastern Turkey. The probability for these events is around 80%. Precipitation deficit is expected in most part of the Balkans, while precipitation surplus is expected in most part of Turkey, with probability around 80%“.

Monitoring

In the period from March 31 to April 6, most part of Croatia, northern Serbia, northern Bosnia and Herzegovina and western Romania, experienced below normal mean temperature 1981-2010¹, with anomaly from -1 °C up to -5 °C. In the rest of the region, mean temperature was above normal 1981-2010, with anomaly from +1 °C up to +7 °C. In most of SEE region precipitation amount was below 25 mm, with the exception of Croatia, Bosnia and Herzegovina, Montenegro, Albania, FYR of Macedonia, northern and easternmost of Serbia, where amount was up to 200 mm.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (April 8th to 14th, 2013), ECMWF monthly forecast predicts below normal temperature in the most part of the SEE region, with anomaly from -1 °C up to -3 °C. In coastal part of Croatia, southern and central part of Turkey, normal temperature is expected. Above normal temperature, with anomaly around +2 °C, is expected in eastern Turkey. The probability for these events is around 80%. Precipitation deficit is expected in most part of the Balkans, while precipitation surplus is expected in most part of Turkey, with probability around 80%.

During the second week (April 15th to 21th, 2013) above normal temperature, with anomaly around +2 °C, is expected in Croatia, Bosnia and Herzegovina, Albania, Montenegro and parts of northern and southern Serbia. In eastern Romania, Bulgaria, Moldova, most part of Turkey and south Caucasus, below average temperature is expected, with anomaly from -1 °C up to -3 °C. The probability for these events is around 70%. Precipitation deficit is expected in the Croatia, Montenegro, Albania, western parts of FYR of Macedonia and Greece, northern and northeastern Serbia, western Romania, southern Turkey, with probability is around 70%.

In the period from April 8th to May 5th, in most part of Serbia, Romania, Moldova, Bulgaria, FYR of Macedonia, northern Greece, central, south and northern part of Turkey, below average temperature is expected, with anomaly up to -2 °C and probability around 80%. Precipitation deficit is expected in northwestern Serbia, Croatia, northern and southern part of Bosnia and Herzegovina, Montenegro, Albania, central part of Moldova, and southern Romania, with probability around 70%. Precipitation surplus is expected in southern Turkey and coastal part of Greece, with probability around 80%.

During the following three months (April, May, Jun) SEEVCCC seasonal forecast predicts above-normal temperature, with anomaly up to +2 °C, in most of Balkans, part of central Turkey and in some part of South Caucasus. Precipitation deficit is expected in northern Serbia, northern Croatia and along the coastal regions, while surplus is expected in eastern FYR of Macedonia, central Romania, easternmost of Turkey and south Caucasus.

Update

An updated statement will be issued on 15-4-2013.

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

ANNEX

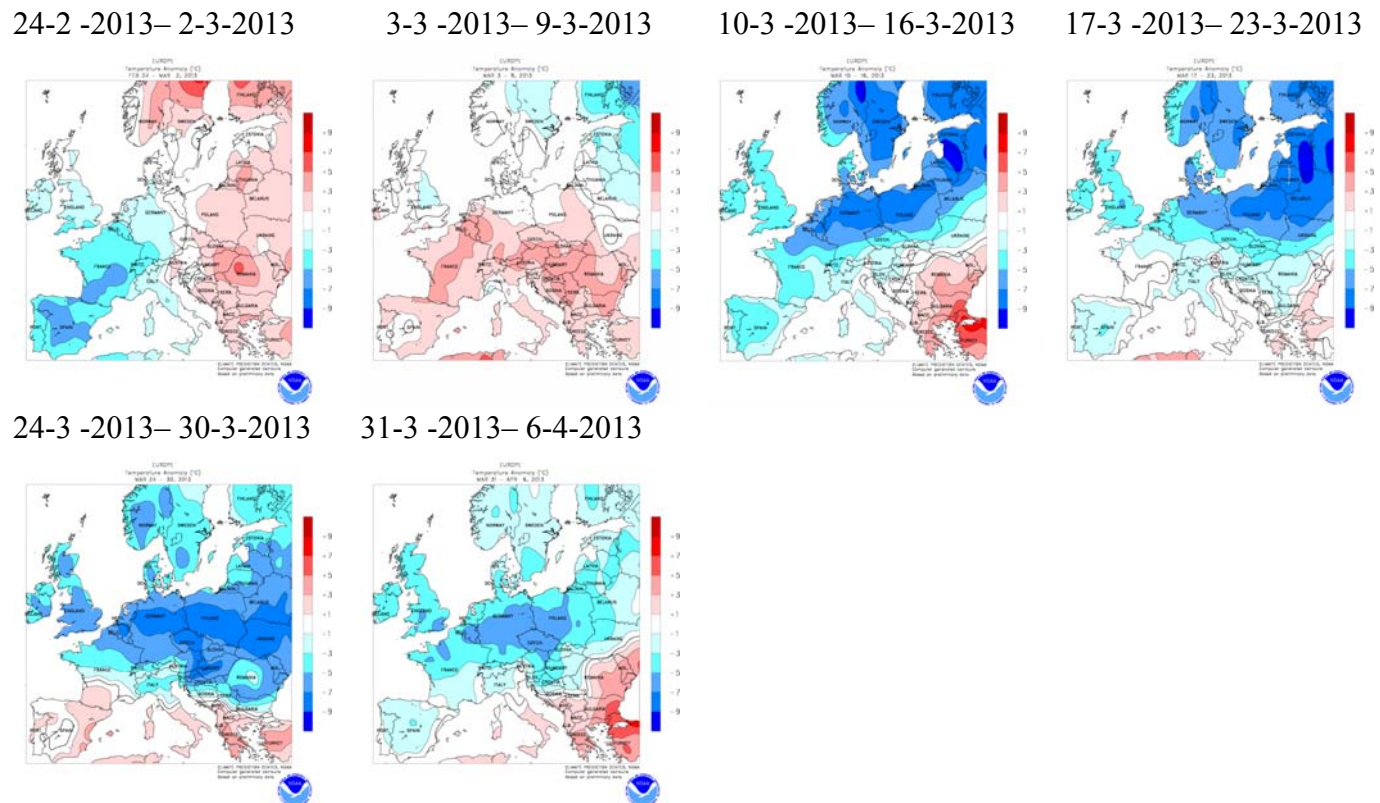


Figure 1. Temperature anomaly for recent weeks (source: Climate Prediction Center, USA)

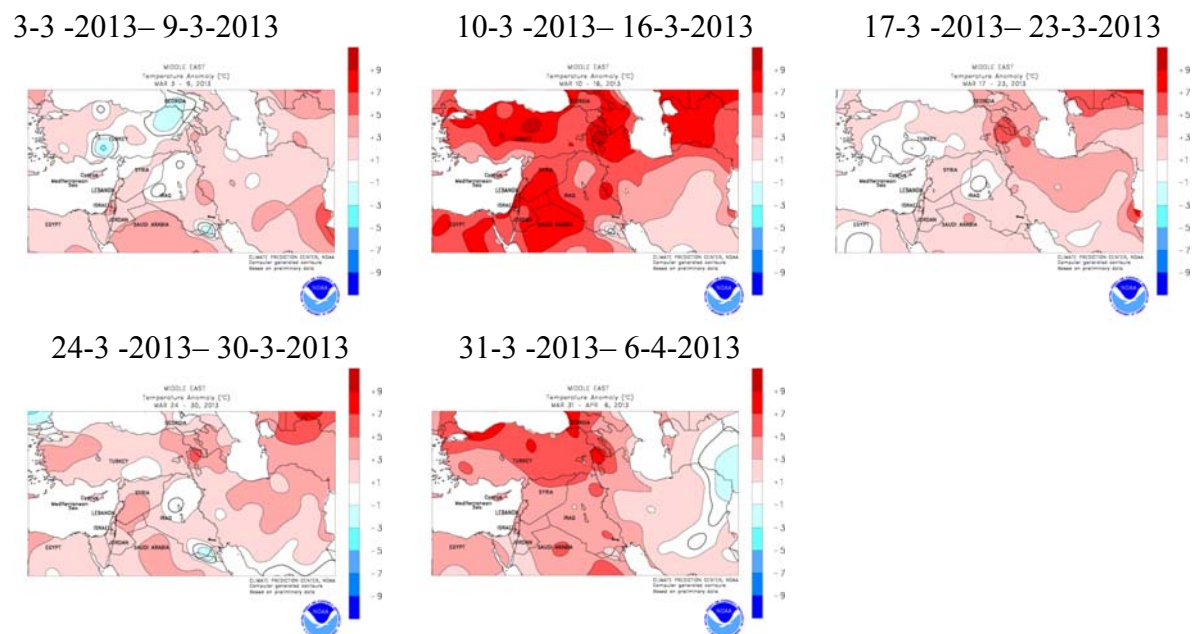


Figure 2. Temperature anomaly for recent weeks for Middle East (source: Climate Prediction Center, USA)

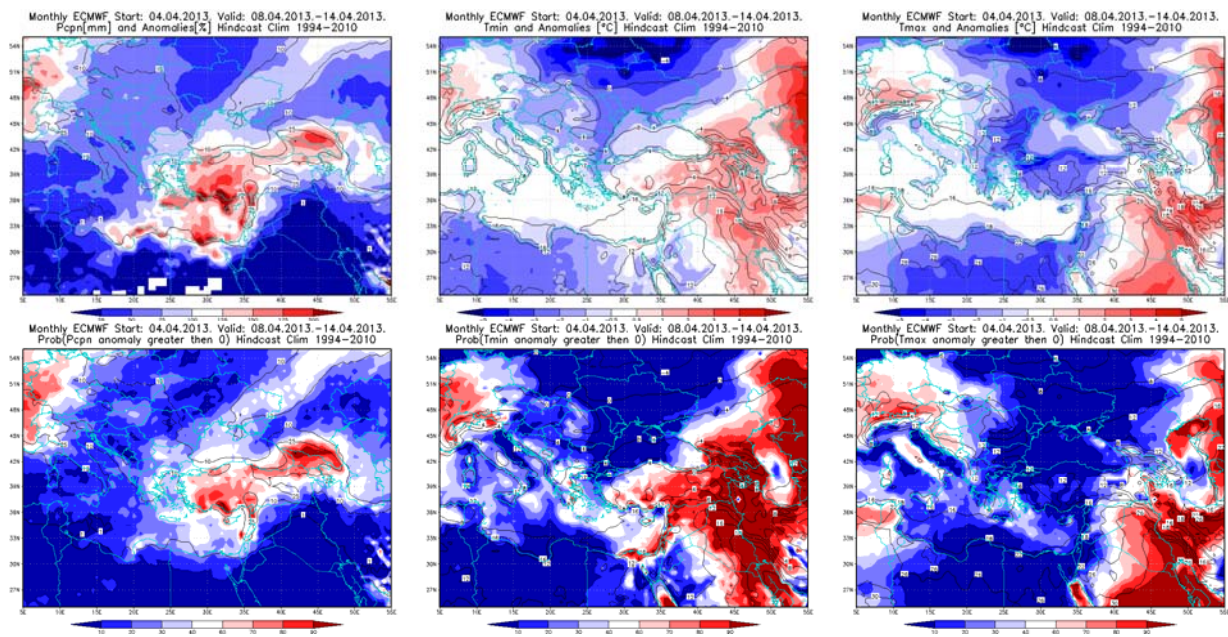


Figure 3. Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 8–14.4.2013 period

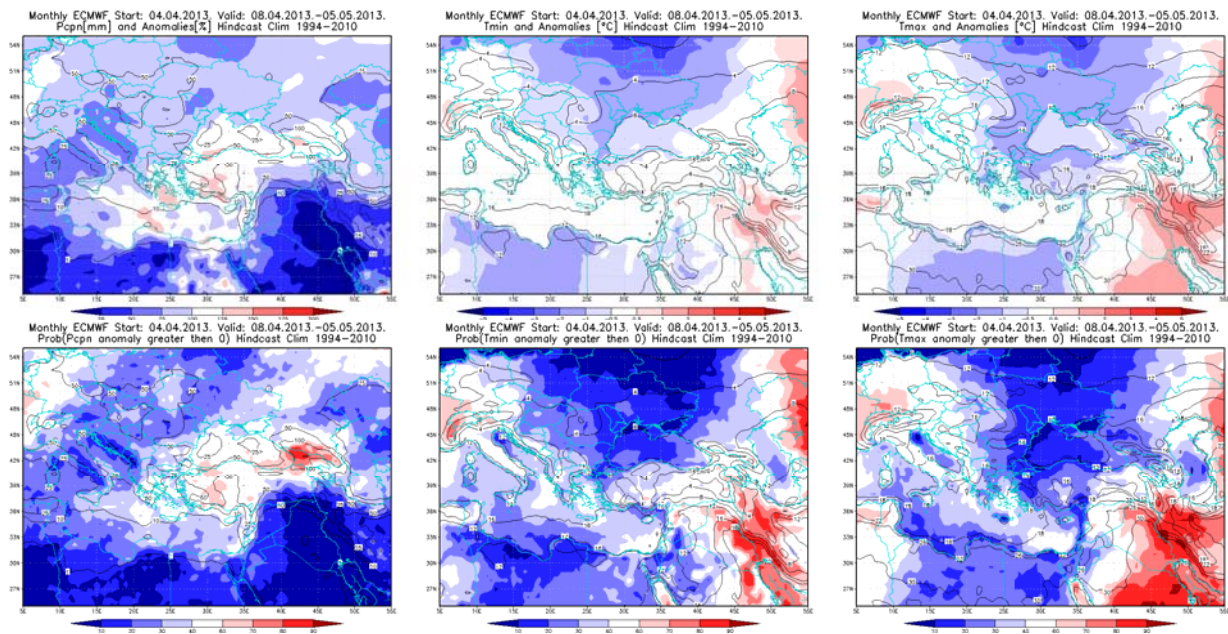


Figure 4. Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 8.04.–5.05.2013 period

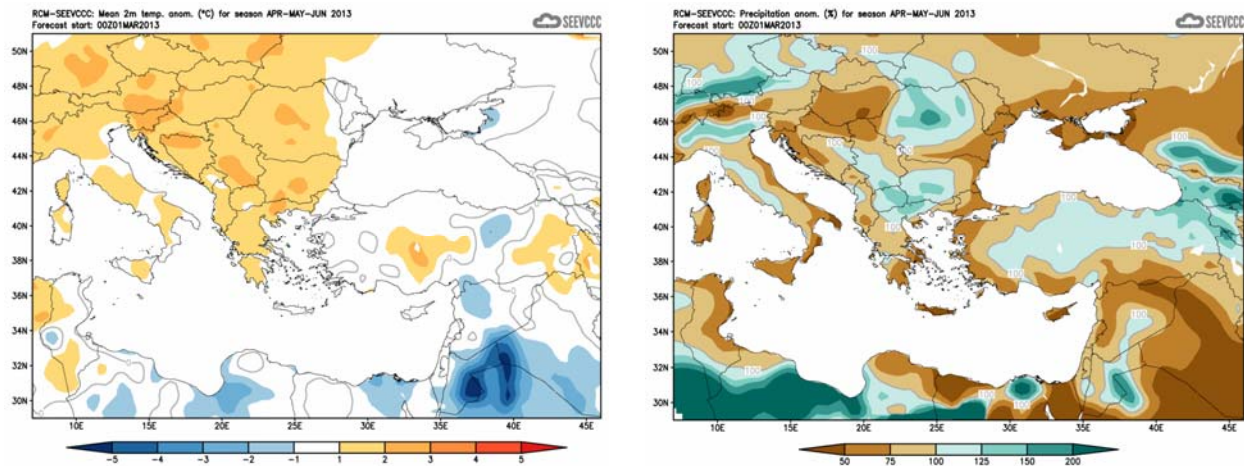


Figure 5. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook of RCM – SEEVCCC)

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/>)