

Climate Watch (Serial No.: 20130729 – 00)

Initial/Updated/Final

Topic:	Warning:	0	No particular awareness
Organization issuing the statement:	SEEVCCC	1	Potentially dangerous
		2	Dangerous
Issued/ Amended / Cancelled	5-8-2013 12:00 P.M.	3	Very dangerous
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Valid from – to:	5-8-2013 – 18-8-2013	Next amendment:	12-8-2013

Region of concern: South-Eastern Europe

„Within next month, with probability exceeding upper/lower tercile of around 90 %, above normal temperature is expected in most of SEE region (up to +3 °C) and below normal temperature (around -2 °C) in eastern Turkey and South Caucasus. During next week precipitation deficit is expected in the entire SEE region, except in east Turkey and South Caucasus where average precipitation is predicted. Probability for is around 90 %.“

Monitoring

In the period from July 28th to August 3rd temperature above normal 1981-2010¹, with anomaly from +1 up to +5 °C, was recorded in Balkans and western Turkey. In central and east Turkey and South Caucasus below normal temperature with anomaly from -1 up to -5 °C was observed. Precipitation from 25 up to 100 mm was registered in central part of south Caucasus and in part of northeast Turkey. In rest of the region no significant precipitation was recorded.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (August 5th to 11th, 2013), ECMWF monthly forecast predicts above normal temperature in Balkans, with anomaly from +2 up to +5 °C. Below normal temperature with anomaly from -1 up to -4 °C is expected in Turkey and South Caucasus. The probability for exceeding upper/lower tercile is around 90%. Precipitation deficit is expected in the entire SEE region, except in east Turkey and South Caucasus where average precipitation is predicted. Probability for deficit is around 90 %.

During the second week (August 12th to 18th, 2013) in most part of SEE region temperature above normal, with anomaly from +1 up to +3 °C, is expected. Temperature below normal, with anomaly from -1 up to -3 °C, is expected in eastern Turkey and part of South Caucasus. Probability for these events is around 80 %. Precipitation deficit is expected in Greece, FYR of Macedonia, part of south Serbia, east Romania and Bulgaria, west and central Turkey with probability up to 90 %. Precipitation surplus with less confidence is expected in part of northwestern Serbia, east Turkey and part of South Caucasus.

In the period from August 5th to September 1st, above normal temperature, with anomaly up to +3 °C, is expected in most part of SEE region. In east Turkey and South Caucasus temperature below normal, with anomaly around -2 °C, is expected. The probability for exceeding upper/lower tercile is around 90 %. Precipitation deficit is expected in most part of SEE region with probability around 80 %.

During the following three months (August, September, October) SEEVCCC seasonal forecast predicts average temperature in most of Balkans. Temperature below normal is expected in most part of Turkey and south Caucasus. Normal to dry weather conditions are expected in most of SEE region, apart from the part of central Romania and south Caucasus and northernmost Turkey where precipitation surplus is expected.

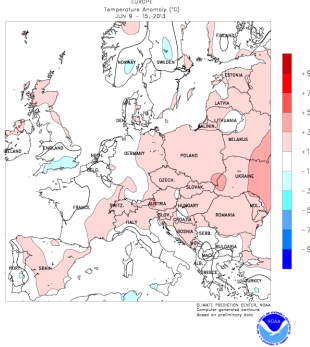
Update

An updated statement will be issued on 12-8-2013.

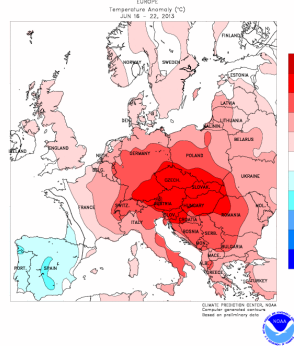
For further information please contact cws-seevccc@hidmet.gov.rs

ANNEX

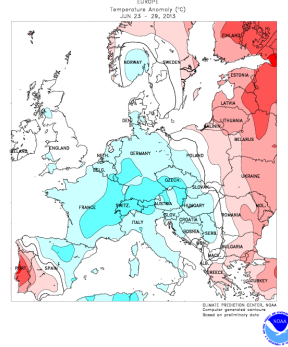
9-6-2013 – 15-6-2013



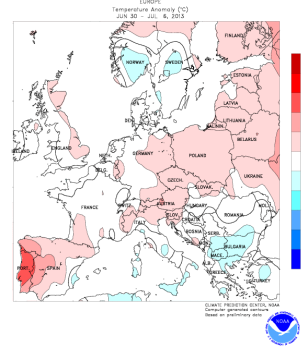
16-6-2013 – 22-6-2013



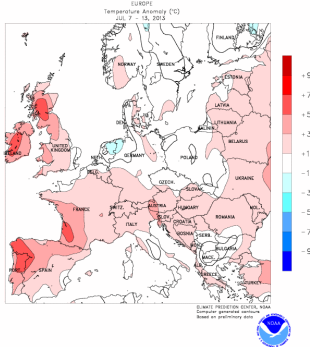
23-6-2013 – 29-6-2013



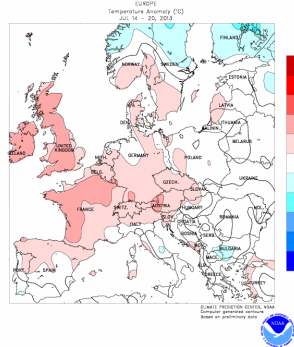
30-6-2013 – 6-7-2013



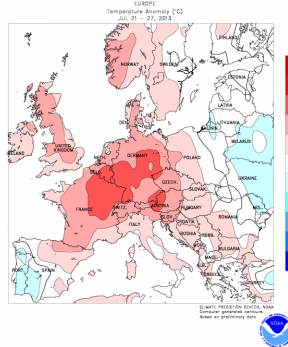
7-7-2013 – 13-7-2013



14-7-2013 – 20-7-2013



21-7-2013 – 27-7-2013



28-7-2013 – 3-8-2013

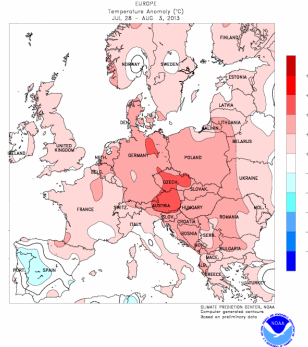
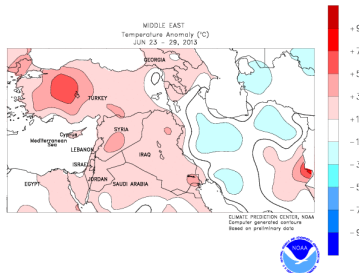
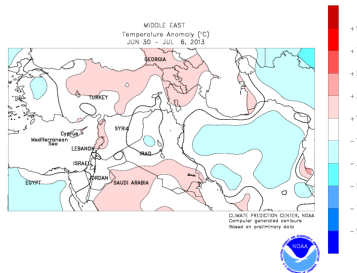


Figure 1. Temperature anomaly for recent weeks (source: Climate Prediction Center, USA)

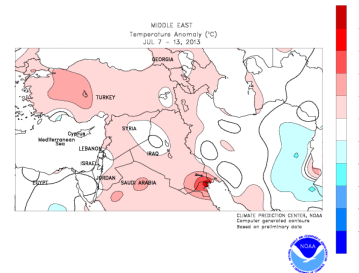
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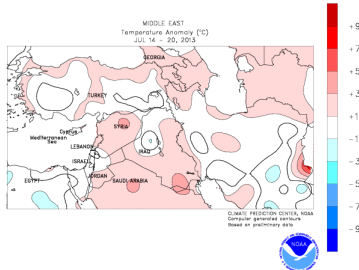
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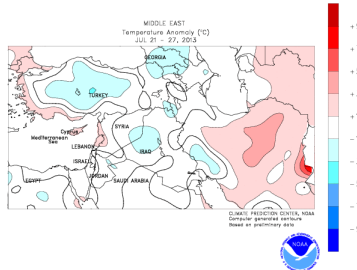
7-7-2013 – 13-7-2013



14-7-2013 – 20-7-2013



21-7-2013 – 27-7-2013



28-7-2013 – 3-8-2013

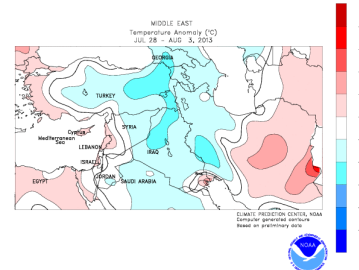


Figure2. Temperature anomaly for recent weeks for Middle East (source: Climate Prediction Center, USA)

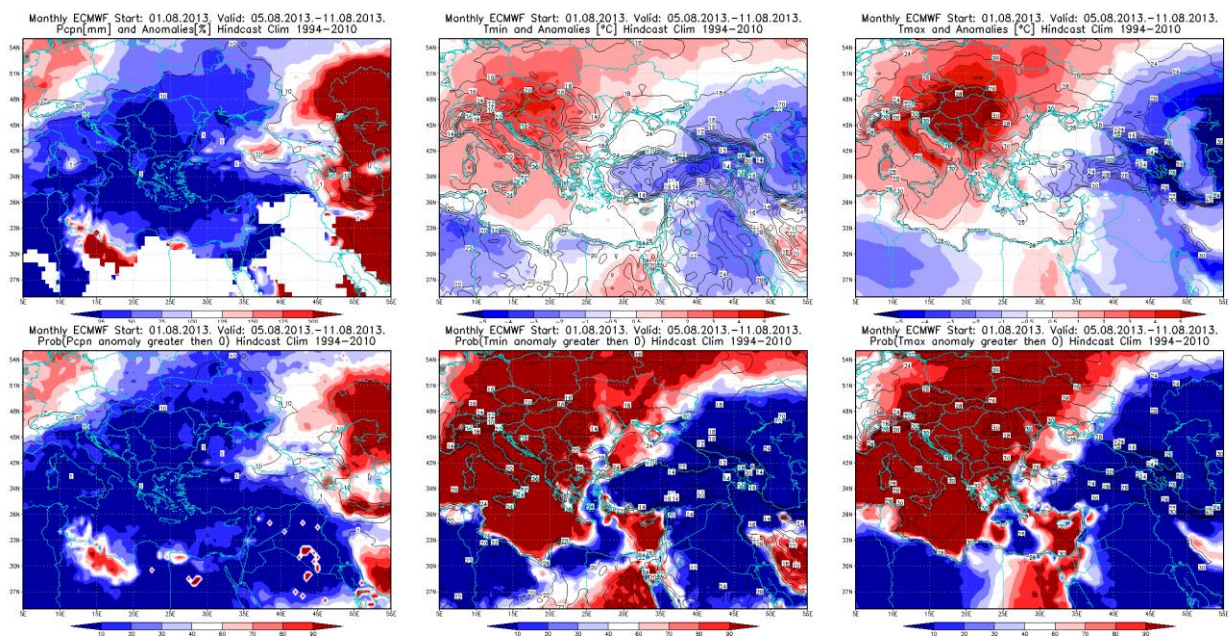


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 5.–11.8.2013 period

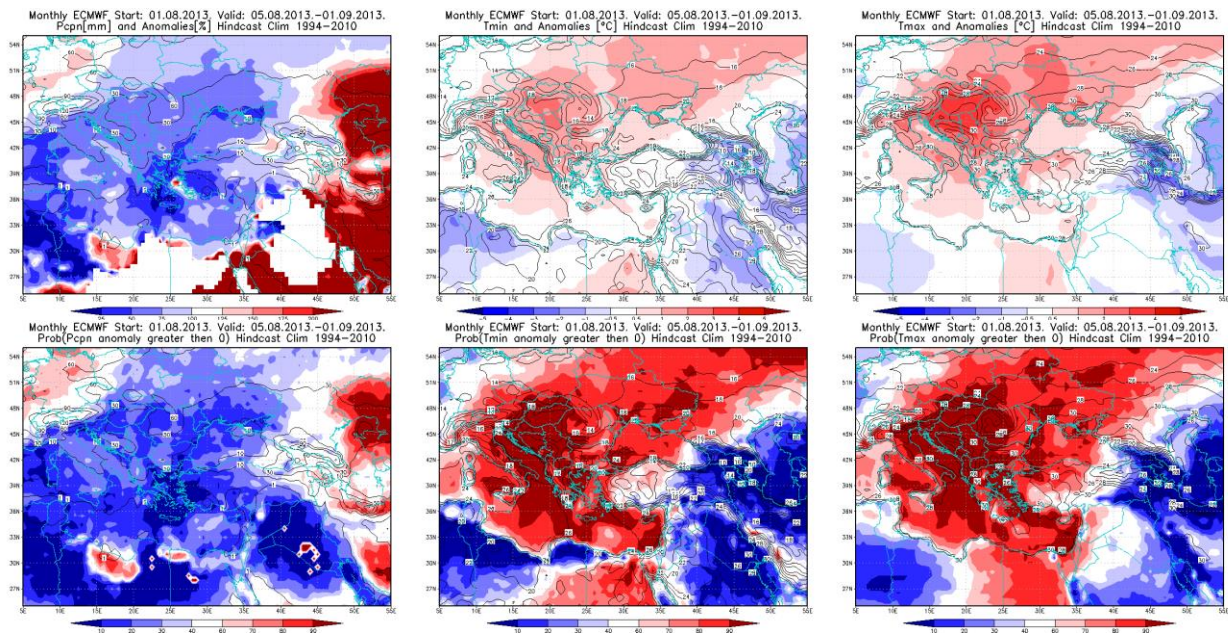


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 5.8– 1.9.2013 period

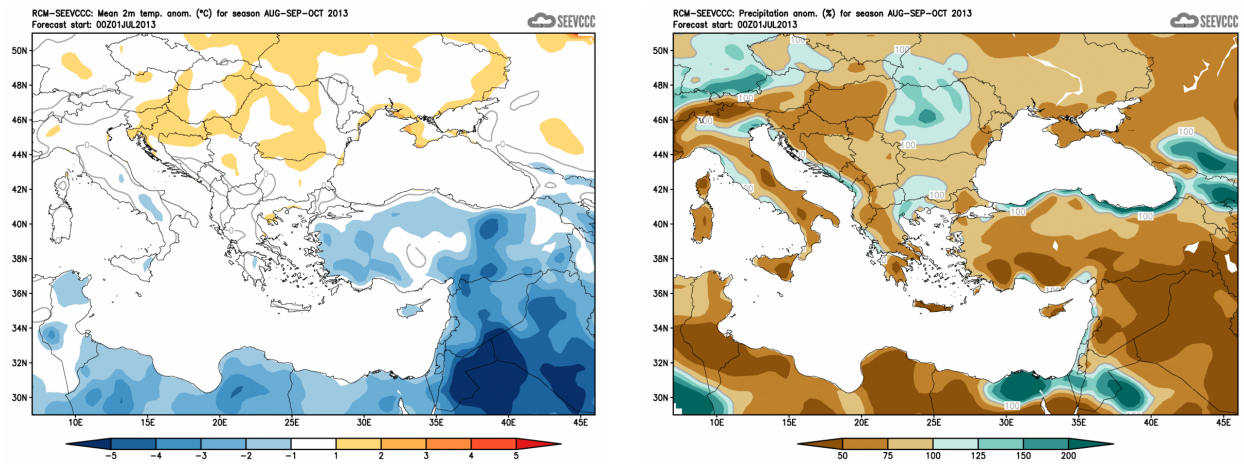


Figure 5. Mean seasonal temperature and precipitation anomaly for the season ASO (seasonal outlook for RCM – SEEVCCC)

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/>)