

Climate Watch (Serial No.: 20130826 – 00)

Initial/Updated/Final

Topic:	Warning:	0	No particular awareness
Organization issuing the statement:	SEEVCCC	1	Potentially dangerous
		2	Dangerous
Issued/ Amended / Cancelled	26-08-2013 12:00 P.M.	3	Very dangerous

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Valid from – to: 26-08-2013 – 08-09-2013 Next amendment: 02-09-2013

Region of concern: South-Eastern Europe

„During next week, with probability up to 90%, in most of SEE region above normal temperature (anomaly from +1°C up to +4°C) and in eastern and southern part of SEE precipitation deficit is expected. For month in advance there is no clear forecast signal.“

Monitoring

In the period from August 18th to 24th temperature above normal 1981-2010¹, with anomaly from +1 up to +3 °C, was recorded in Balkans and western, southwestern and northern Turkey. In SEE region there was no significant precipitation recorded.

On Danube, Sava, Tisza and Drina rivers water level was in stagnation.

Outlook

Within the first week (August 26th to September 01st, 2013), ECMWF monthly forecast predicts in most of SEE region above normal temperature with anomaly from +1°C up to +4°C, except along the Adriatic coast and part of south Caucasus where temperature below normal with anomaly around -2°C is expected. The probability for these events is up to 90%. Precipitation deficit is expected in southern Moldova, eastern Romania, southeastern Bulgaria, Greece, Turkey and south Caucasus with probability up to 90%. With less confidence precipitation surplus is expected in northern Moldova, most of Romania, Bosnia and Herzegovina, Montenegro and

¹ Reference climatological period is the 1981-2010 period

along the Adriatic coast. In the beginning of the period, water level on upstream portion of Danube and Sava Rivers will mark minor rise, followed by receding, while in the middle portion of the rivers, after stagnation, slight increase is expected at the end of period. On Tisza River water level will be in stagnation.

During the second week (September 02nd to 08th, 2013) in Turkey and south Caucasus temperature slightly above normal, with anomaly around +1°C is expected. The probability for this event is around 80%. There is no clear forecast signal for precipitation probability. Stagnation of water level on Danube, Sava and Tisza rivers is expected.

In the period from August 26th to September 22nd, in Turkey, south Caucasus, southern Moldova, eastern Romania, most of Bulgaria and southern and eastern Greece temperature slightly above normal, with anomaly around +1°C is expected. The probability for this event is around 80%. In most of Turkey and south Caucasus precipitation deficit is expected, while in most of Romania precipitation surplus is expected. Probability for these events is around 80%.

During the following three months (September, October, November) SEEVCCC seasonal forecast predicts average temperatures 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, except along the coastal regions where precipitation surplus is expected.

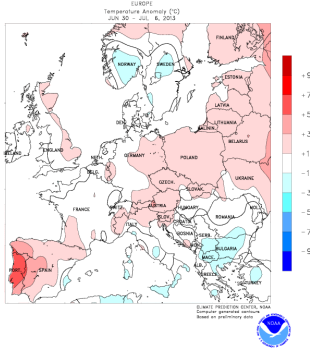
Update

An updated statement will be issued on 02-09-2013.

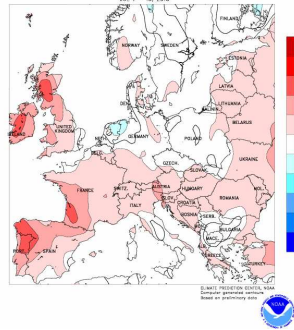
For further information please contact cws-seevccc@hidmet.gov.rs

ANNEX

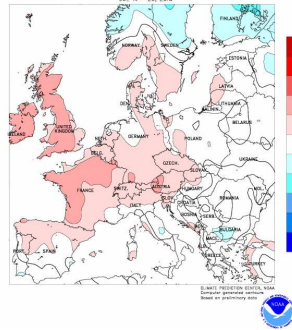
30-6-2013 – 6-7-2013



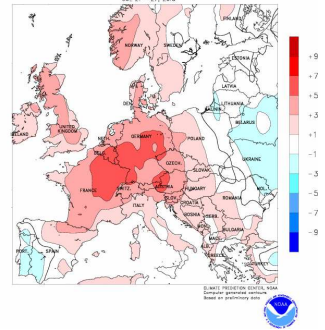
7-7-2013 – 13-7-2013



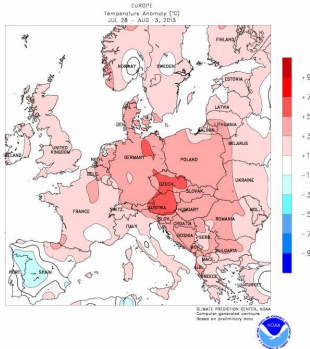
14-7-2013 – 20-7-2013



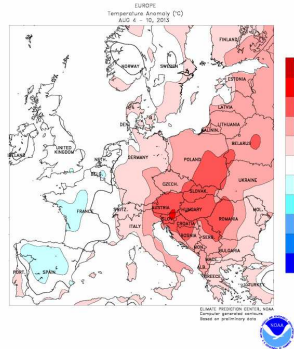
21-7-2013 – 27-7-2013



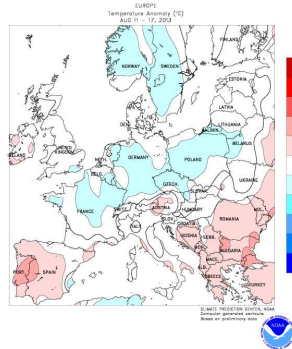
28-7-2013 – 3-8-2013



4-8-2013 – 10-8-2013



11-8-2013 – 17-8-2013



18-8-2013 – 24-8-2013

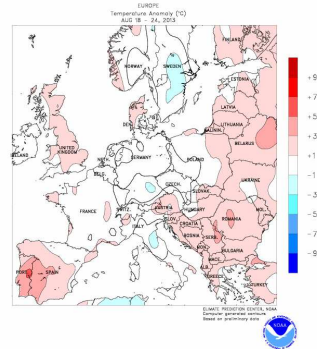
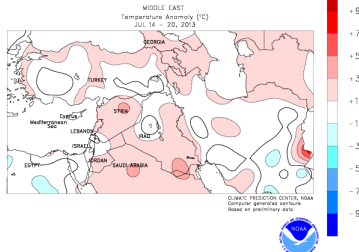
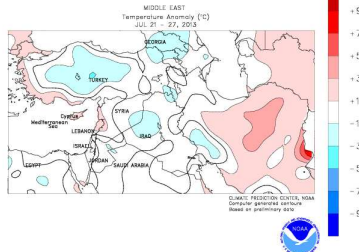


Figure 1. Temperature anomaly for recent weeks (source: Climate Prediction Center, USA)

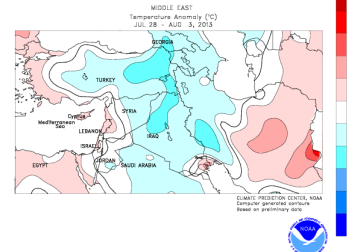
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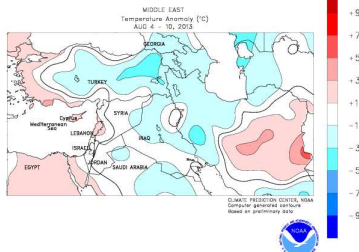
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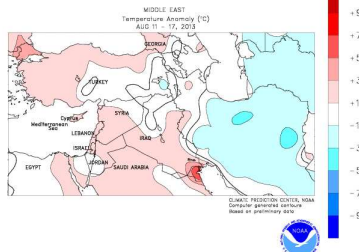
28-7-2013 – 3-8-2013



4-8-2013 – 10-8-2013



11-8-2013 – 17-8-2013



18-8-2013 – 24-8-2013

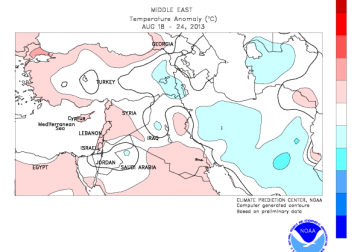


Figure2. Temperature anomaly for recent weeks for Middle East (source: Climate Prediction Center, USA)

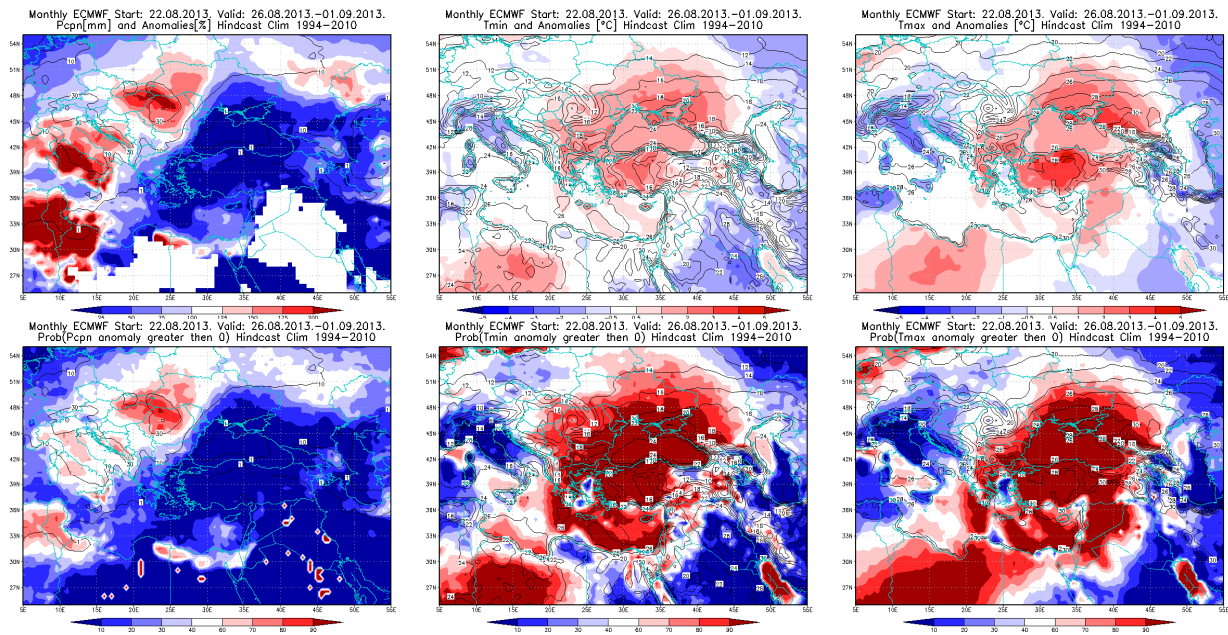


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 26.08–01.09.2013 period

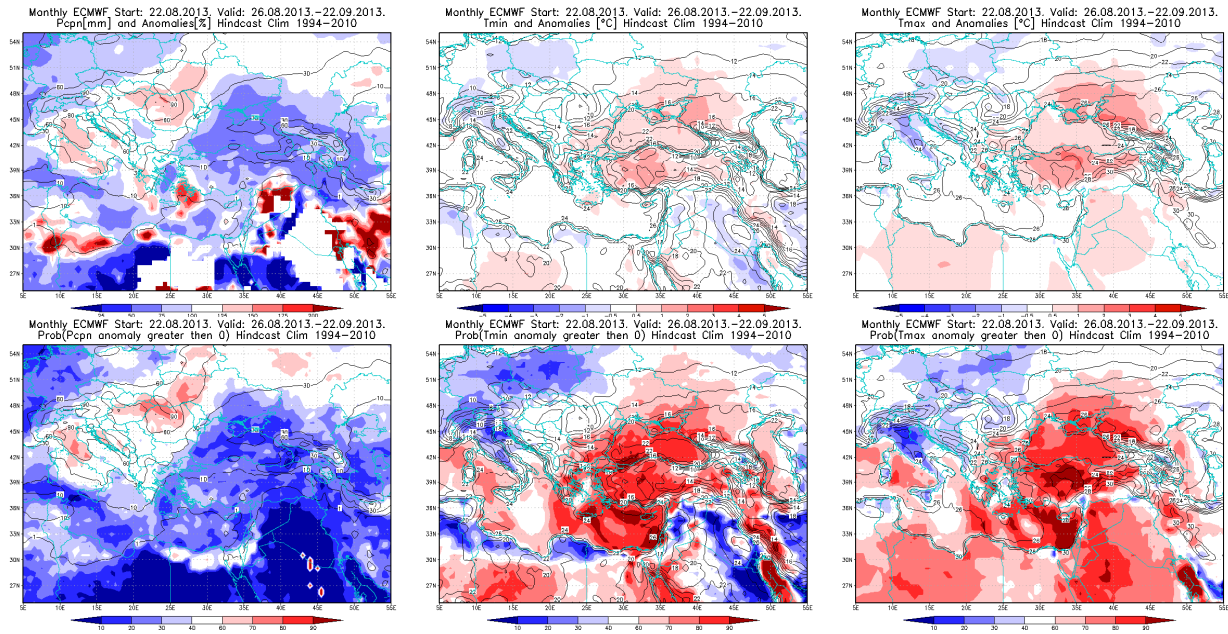


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 26.08–22.09.2013 period

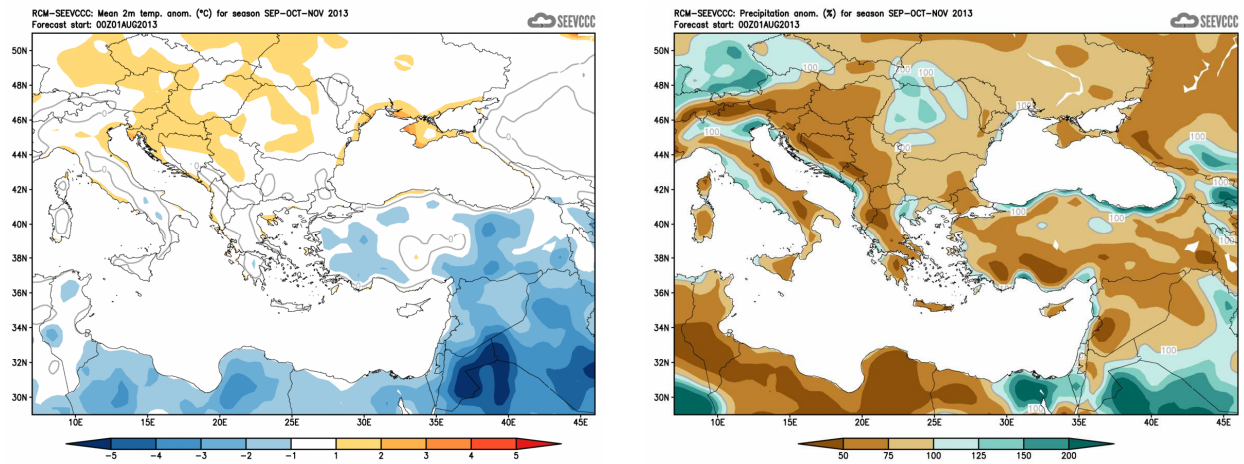


Figure 5. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook for RCM – SEEVCCC)

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/>)