

Climate Watch (Serial No.: 20130923 – 00)

Initial/Updated/Final

Topic:	Warning:	0	No particular awareness
Organization issuing the statement:	SEEVCCC	1	Potentially dangerous
		2	Dangerous
Issued/ Amended / Cancelled	23-9-2013 12:00 P.M.	3	Very dangerous
Contact:	E-mail: cws-seevccc@hidmet.gov.rs Phone: +38112066925 Fax: +38112066929		
Valid from – to:	23-9-2013 – 6-10-2013	Next amendment:	30-9-2013

Region of concern: South-Eastern Europe

„In the period from September 23rd to 29th, below normal temperature, with anomaly from -1°C up to -4°C, is expected in the entire SEE region. The probability for this event is around 90%. Precipitation deficit is expected in the Balkans with probability around 80%. Precipitation surplus, with probability around 90%, is expected in most part of Turkey and south Caucasus.“

Monitoring

In the period from September 15th to 21st, temperature above normal 1981-2010¹, with anomaly from +1 up to +5°C, was recorded in part of western and southern Turkey and south Caucasus. Temperature below normal with anomaly from -1 up to -3°C was registered in most part of Balkans, Romania and most part of Moldova. Most of Balkans received precipitation up to 100 mm, while elsewhere significant amounts were not observed.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (September 23rd to 29th, 2013), ECMWF monthly forecast predicts below normal temperature with anomaly from -1°C up to -4°C in the entire SEE region. The probability for this event is around 90%. Precipitation deficit with probability around 80% is expected in the Balkans. Precipitation surplus, with probability around 90%, is expected in most part of Turkey and South Caucasus.

During the second week (September 29th to October 6th, 2013) Turkey and South Caucasus are expected to see temperature below normal, with anomaly up to -3°C, with probability around 70%. In rest of the SEE region average temperature is expected with less confidence. Precipitation deficit is expected along coastal Greece and east Turkey, while precipitation surplus is expected in central Turkey. Probability for these events is around 70%.

In the period from September 23rd to October 20th, below normal temperature, with anomaly up to -3°C, is expected in most part of SEE region, with probability around 80%. Precipitation deficit is expected in south and southeast Serbia, along Adriatic coast, in FYR of Macedonia, south Romania, southwest Bulgaria, south Albania and in north and south Greece. Probability is around 80%. Precipitation surplus is expected in east and south Turkey, with probability around 80%.

During the following three months (October, November, December) SEEVCCC seasonal forecast predicts slightly above normal temperature in most of western Balkans and temperature slightly below normal in some parts of Turkey. Normal to dry weather conditions are expected in most of SEE region, with the exception of the coastal regions where precipitation surplus is expected.

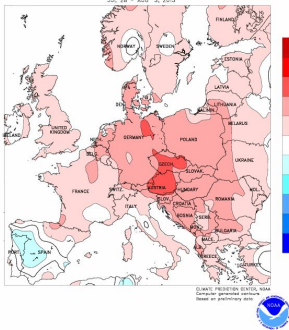
Update

An updated statement will be issued on 30-9-2013.

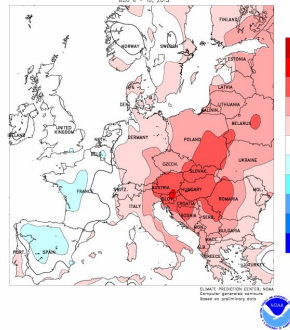
For further information please contact cws-seevccc@hidmet.gov.rs

ANNEX

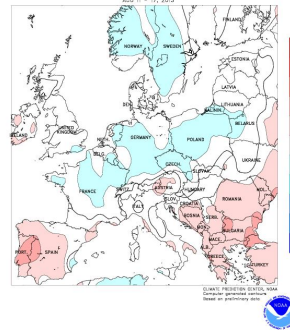
28-7-2013 – 3-8-2013



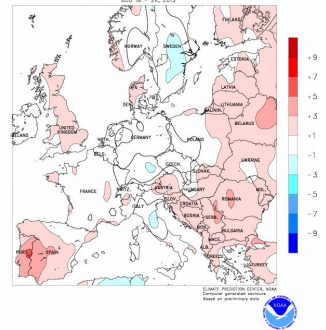
4-8-2013 – 10-8-2013



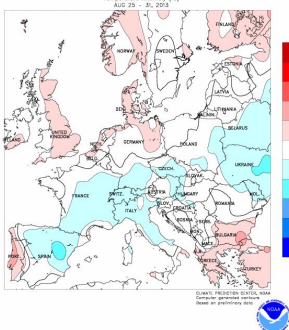
11-8-2013 – 17-8-2013



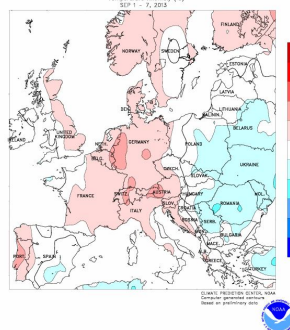
18-8-2013 – 24-8-2013



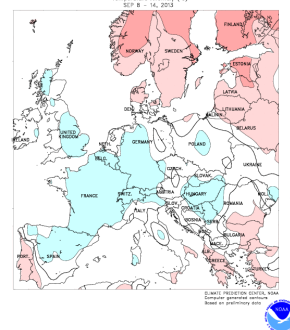
25-8-2013 – 31-8-2013



1-9-2013 – 7-9-2013



8-9-2013 – 14-9-2013



15-9-2013 – 21-9-2013

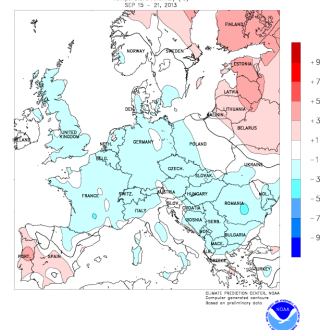
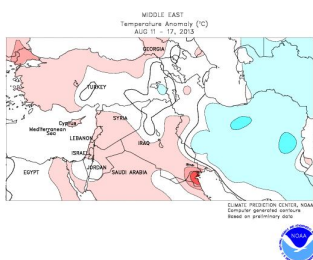
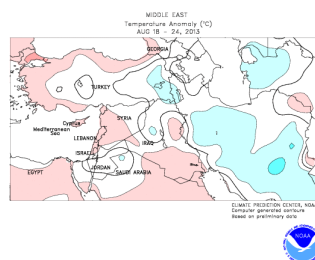


Figure 1. Temperature anomaly for recent weeks (source: Climate Prediction Center, USA)

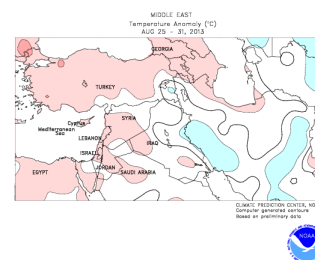
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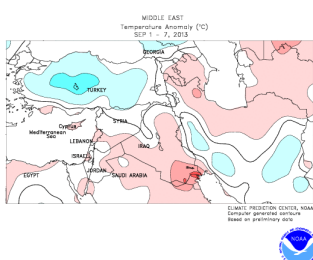
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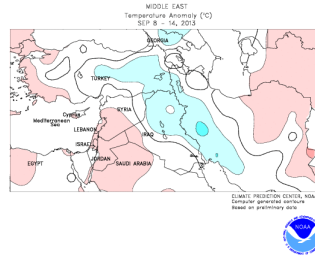
25-8-2013 – 31-8-2013



1-9-2013 – 7-9-2013



8-9-2013 – 14-9-2013



15-9-2013 – 21-9-2013

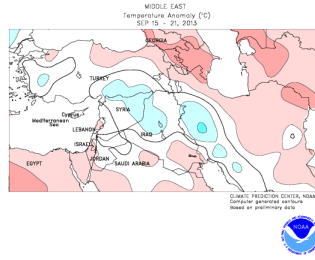


Figure2. Temperature anomaly for recent weeks for Middle East (source: Climate Prediction Center, USA)

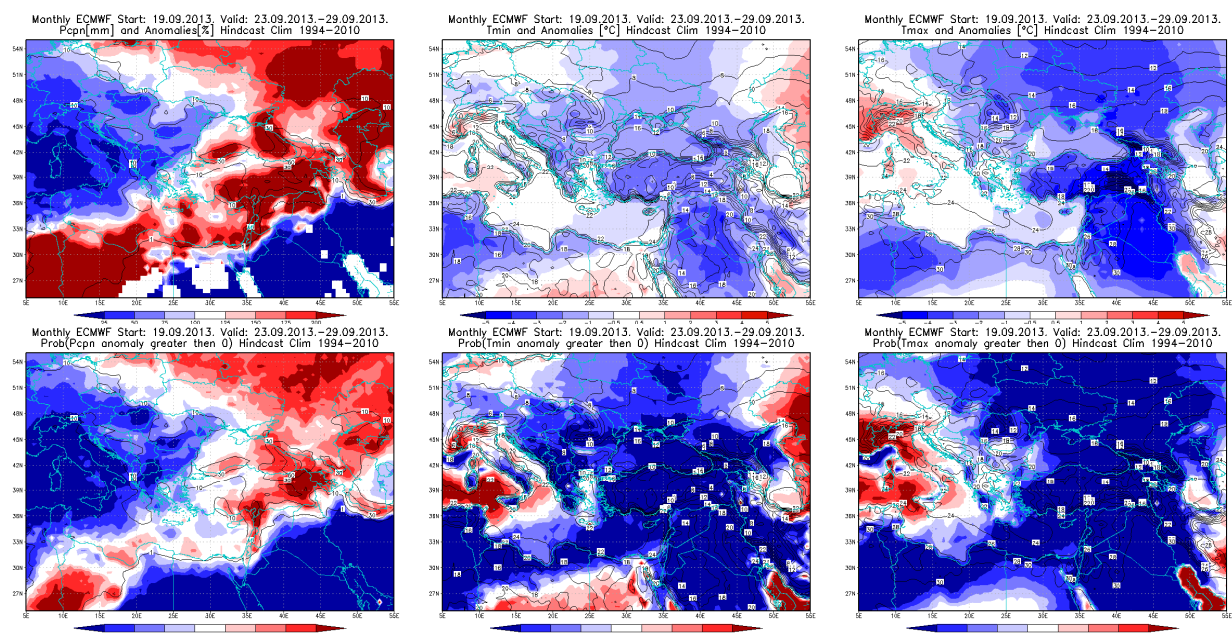


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 23 – 29.9.2013 period

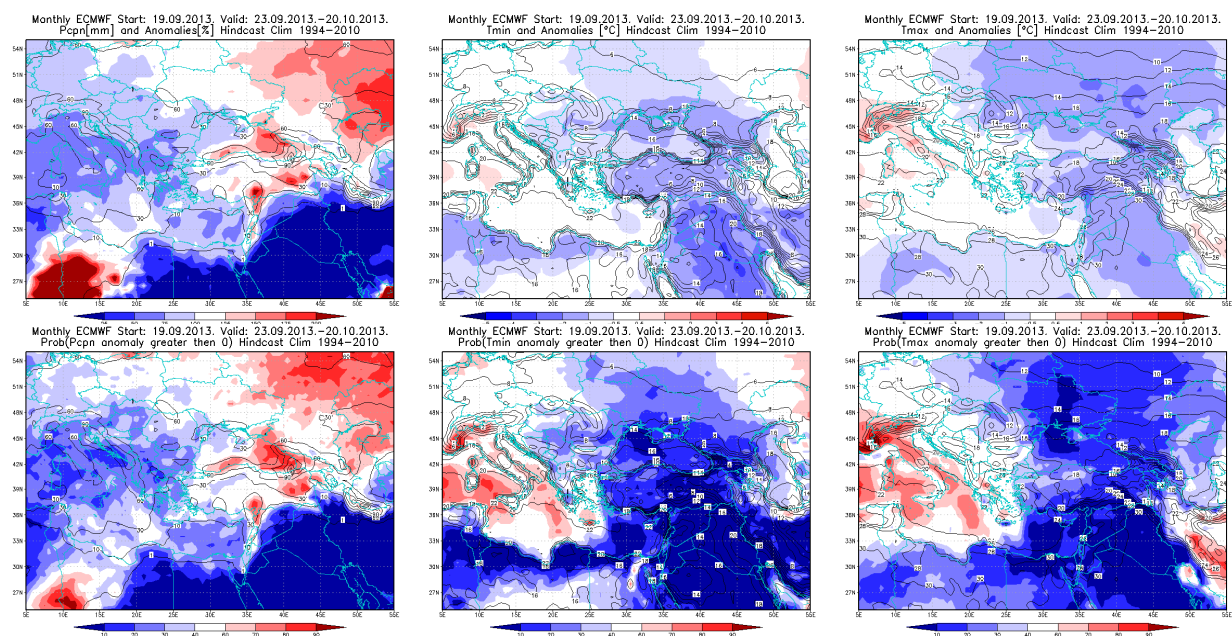


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 23.9 – 20.10.2013 period

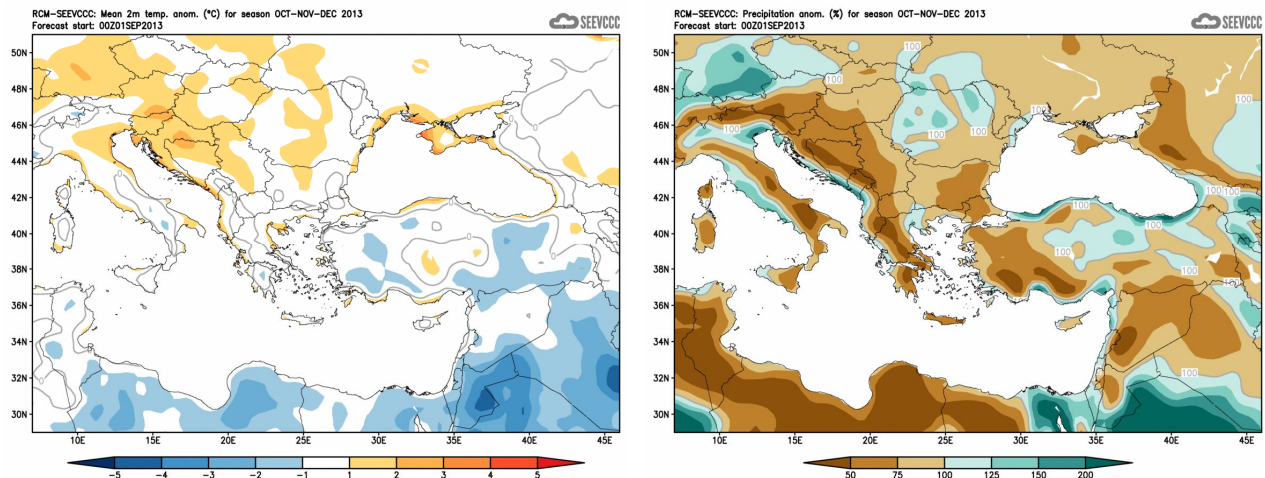


Figure 5. Mean seasonal temperature and precipitation anomaly for the season OND (seasonal outlook for RCM – SEEVCCC)

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/>)