

## 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	29-7-2013 12:00 P.M.	3	Very dangerous
Contact:	E-mail: cws-seevccc@hidmet.gov.rs Phone: +38112066925 Fax: +38112066929		
Valid from – to:	29-7-2013 – 11-8-2013	Next amendment:	5-8-2013

Region of concern: South-Eastern Europe

**„Within the first week (July 29<sup>th</sup> to August 4<sup>th</sup>, 2013), ECMWF monthly forecast predicts above normal temperature, with anomaly from +1 up to +4 °C, in Romania and Balkans except from costal parts of Greece. 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 South Caucasus where precipitation surplus is forecast. Probability for both events is up to 90%“.**

### Monitoring

In the period from July 21<sup>st</sup> to 27<sup>th</sup> temperature above normal 1981-2010<sup>1</sup>, with anomaly from +1 up to +3 °C, was recorded in Croatia, Bosnia and Herzegovina, most part of Serbia, Bulgaria and Albania, western Romania, Montenegro, eastern FYR Macedonia, western Greece and westernmost Turkey. In most part of Moldova, Turkey and South Caucasus below normal temperature with anomaly from -1 up to -3 °C was observed. Precipitation from 25 up to 100 mm was registered in central part of south Caucasus. In rest of the region no significant precipitation was recorded.

<sup>1</sup> Reference climatological period is the 1981-2010 period

## **Outlook**

Within the first week (July 29<sup>th</sup> to August 4<sup>th</sup>, 2013), ECMWF monthly forecast predicts above normal temperature, with anomaly from +1 up to +4 °C, in Romania and Balkans except from coastal parts of Greece. 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 South Caucasus where precipitation surplus is forecast. Probability for deficit over Balkans is 70-80 %, while over Turkey it goes up to 90 %.

During the second week (August 5<sup>th</sup> to 11<sup>th</sup>, 2013) temperature above normal, with anomaly from +1 up to +3 °C is expected in Balkans, Moldova, Romania and part of central and western Turkey. 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 surplus with less confidence is expected in South Caucasus, while precipitation deficit with probability up to 90 % is expected in the rest of the SEE region.

In the period from July 29<sup>th</sup> to August 25<sup>th</sup>, above normal temperature, with anomaly up to +3 °C, is expected in Balkans, eastern Romania and part of western and central Turkey. In eastern part of Turkey and South Caucasus temperature below normal, with anomaly up to -3 °C, is expected. The probability for exceeding upper/lower tercile is up to 90 %. Precipitation deficit is expected in Balkans, eastern Romania and Turkey with probability around 80 %. With less confidence precipitation surplus is expected in most part of Moldova, while in South Caucasus precipitation surplus with probability around 80 % is expected.

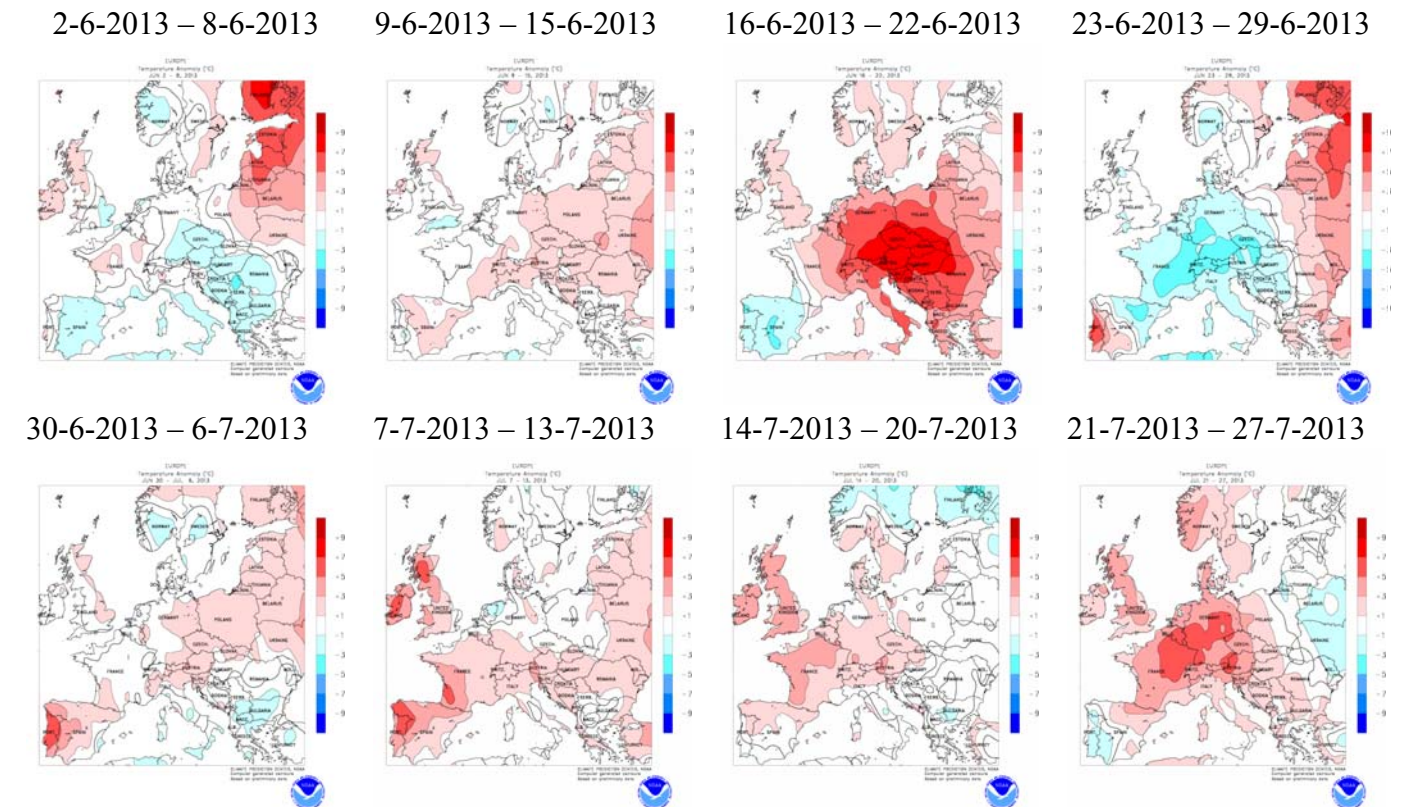
During the following three months (August, September, October) SEEVCCC seasonal forecast predicts average temperature in most of Balkans. Temperature below normal is expected in most part of Turkey and south Caucasus. Normal to dry weather conditions are expected in most of SEE region, except from the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

## **Update**

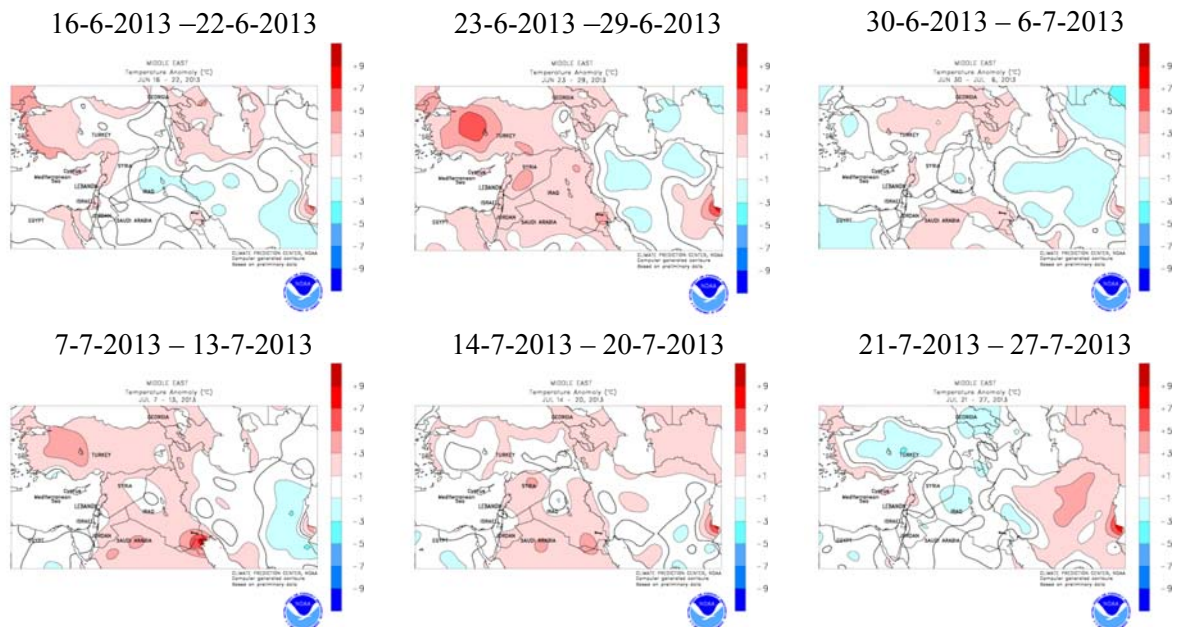
An updated statement will be issued on 5-8-2013.

For further information please contact [cws-seevccc@hidmet.gov.rs](mailto:cws-seevccc@hidmet.gov.rs)

## ANNEX

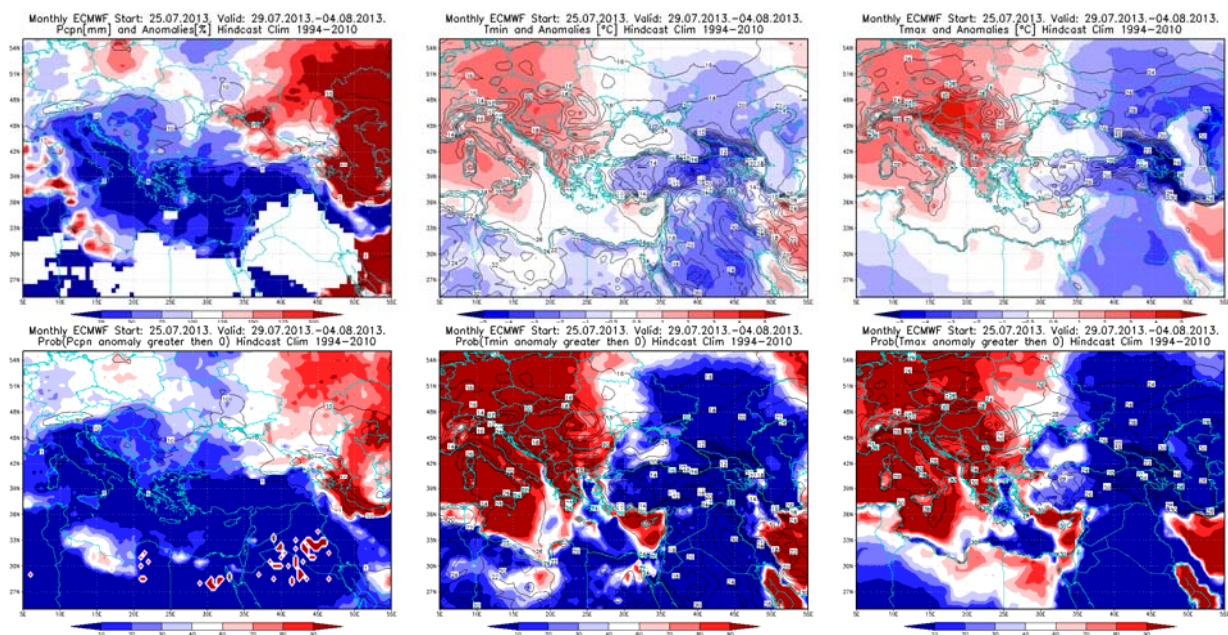


**Figure 1.** Temperature anomaly for recent weeks (source: Climate Prediction Center, USA)

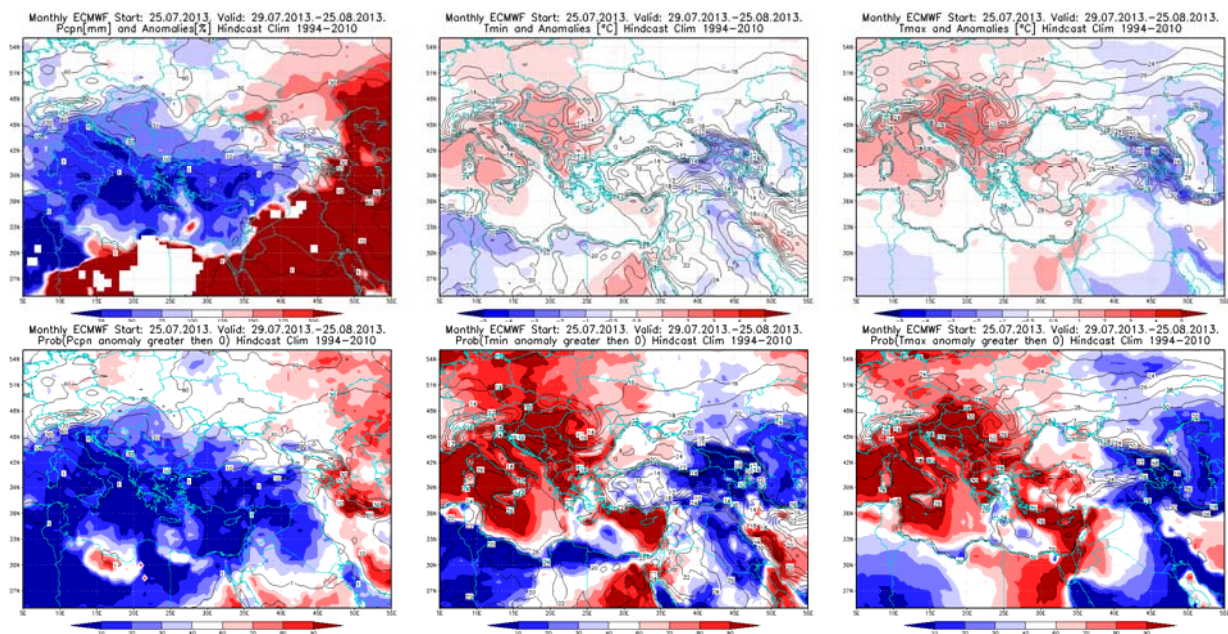


**Figure2.** Temperature anomaly for recent weeks for Middle East (source: Climate Prediction Center, USA)

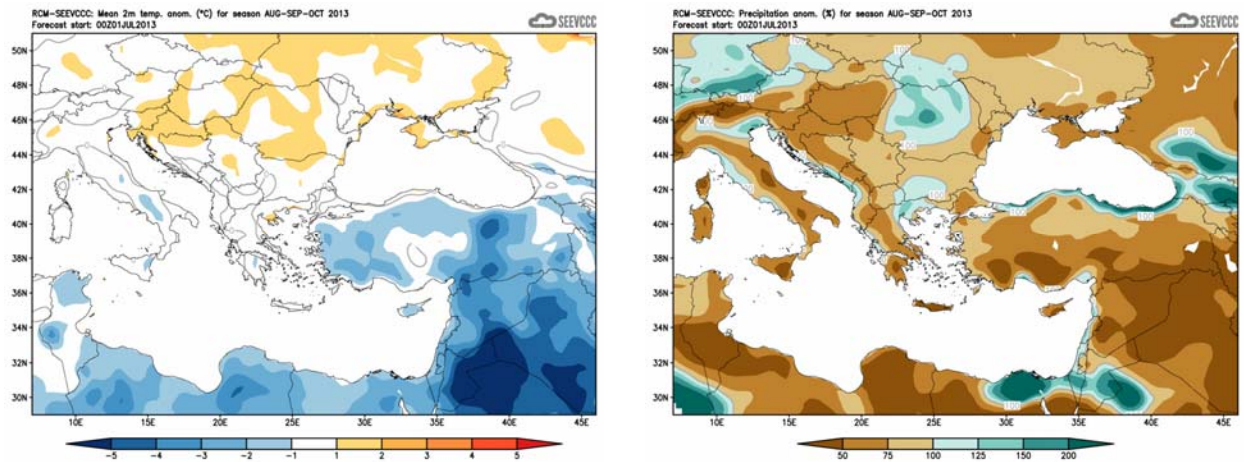




**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 29.7 –4.8.2013 period



**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 29.7– 25.8.2013 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](http://www.hidmet.gov.rs) )
- South East European Virtual Climate Change Center ([www.seevccc.rs](http://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/> )