

## Climate Watch (Serial No.: 20130722 – 00)

Initial/Updated/Final

Topic:	Warning:	0	No particular awareness
Organization issuing the statement:	SEEVCCC	1	Potentially dangerous
		2	Dangerous
Issued/ Amended / Cancelled	22-7-2013 12:00 P.M.	3	Very dangerous
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Valid from – to:	22-7-2013 – 4-8-2013	Next amendment:	29-7-2013

Region of concern: South-Eastern Europe

**„Within the first week (July 22<sup>nd</sup> to 28<sup>th</sup>, 2013), ECMWF monthly forecast predicts below normal temperature, with anomaly from -1 up to -3 °C, in Moldova, Romania, northern Bulgaria, northeastern Greece, Turkey and South Caucasus with probability up to 90 %. Croatia, northwestern Bosnia and Herzegovina and northwestern Serbia will experience temperature above normal, with anomaly up to +2 °C and probability around 80 %. Precipitation deficit is expected in whole SEE region, except in South Caucasus, with probability up to 90%. Water level on the upstream portion of Danube River featured minor rise, whereas the remainder of the flow is expected to observe slight receding. Rivers Sava and Tisza will feature stagnation and minor receding toward the end of the period. “**

### Monitoring

In the period from July 14<sup>th</sup> to 20<sup>th</sup>, in most part of SEE region average temperature was observed. Temperature above normal 1981-2010<sup>1</sup>, with anomaly from +1 up to +3 °C, was recorded in south Bosnia and Herzegovina and Montenegro, in northern, northwestern and central Turkey and in south Caucasus. Precipitation up to 100 mm was registered in southwest Turkey and part of south Caucasus. In rest of the region no significant precipitation was registered.

On the upstream portion of Danube River water level held steady, while downstream minor decline was observed. Water levels on Tisza and Sava River characterized stagnation.

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

## **Outlook**

Within the first week (July 22<sup>nd</sup> to 28<sup>th</sup>, 2013), ECMWF monthly forecast predicts below normal temperature, with anomaly from -1 up to -3 °C, in Moldova, Romania, northern Bulgaria, northeastern Greece, Turkey and South Caucasus with probability up to 90 %. In Croatia, northwestern Bosnia and Herzegovina and northwestern Serbia temperature above normal, with anomaly up to +2 °C, is expected with probability around 80 %. Precipitation deficit is expected in whole SEE region, except South Caucasus, with probability up to 90%. Water level on the upstream portion of Danube River featured minor rise, whereas the remainder of the flow is expected to observe slight receding. Rivers Sava and Tisza will feature stagnation and minor receding toward the end of the period.

During the second week (July 29<sup>th</sup> to August 4<sup>th</sup>, 2013) in western Moldova, most part of Romania, northern Bulgaria and Albania and western part of South Caucasus temperature below normal, with anomaly up to -2 °C, is expected. Temperature above normal, with anomaly up to +2 °C, is expected in central Greece, most parts of Turkey and part of South Caucasus. Probability for these events is around 70%. Precipitation surplus with less confidence is expected in most part of Balkans. Precipitation deficit is expected in most part of Turkey and south Caucasus with probability around 80%. Water levels on Danube, Drina and Sava rivers will characterize minor decline, whereas Tisza River will hold steady.

In the period from July 22<sup>nd</sup> to August 18<sup>th</sup>, above normal temperature, with anomaly up to +2 °C, is expected in Croatia, Serbia most part of Bosnia and Herzegovina Serbia and central part of Turkey, with probability around 70 %. In northeastern part of Turkey and South Caucasus temperature below normal, with anomaly up to -2 °C, is expected. Probability for this event is around 80 %. Precipitation deficit is expected in most part of SEE region with probability around 80%.

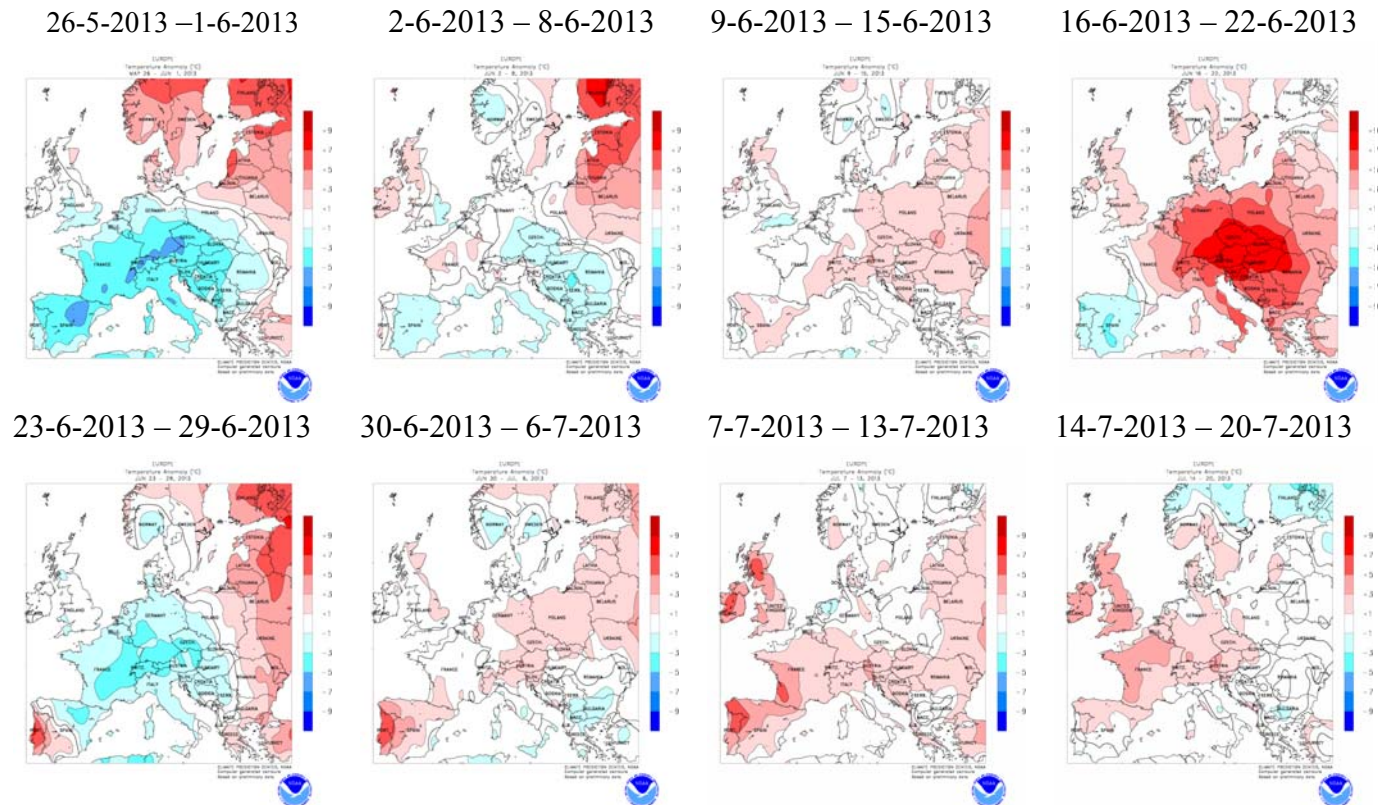
During the following three months (August, September, October) SEEVCCC seasonal forecast predicts average temperature in most of Balkans. Temperature below normal is expected in most part of Turkey and south Caucasus. Normal to dry weather conditions are expected in most of SEE region, apart from the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

## **Update**

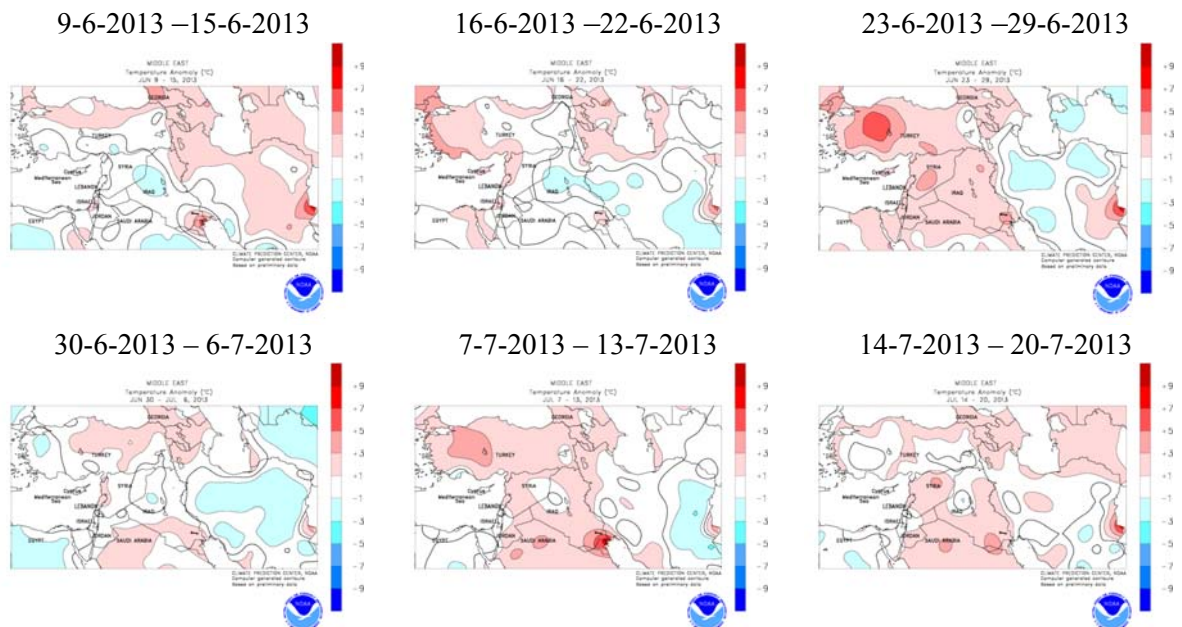
An updated statement will be issued on 29-7-2013.

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

## ANNEX

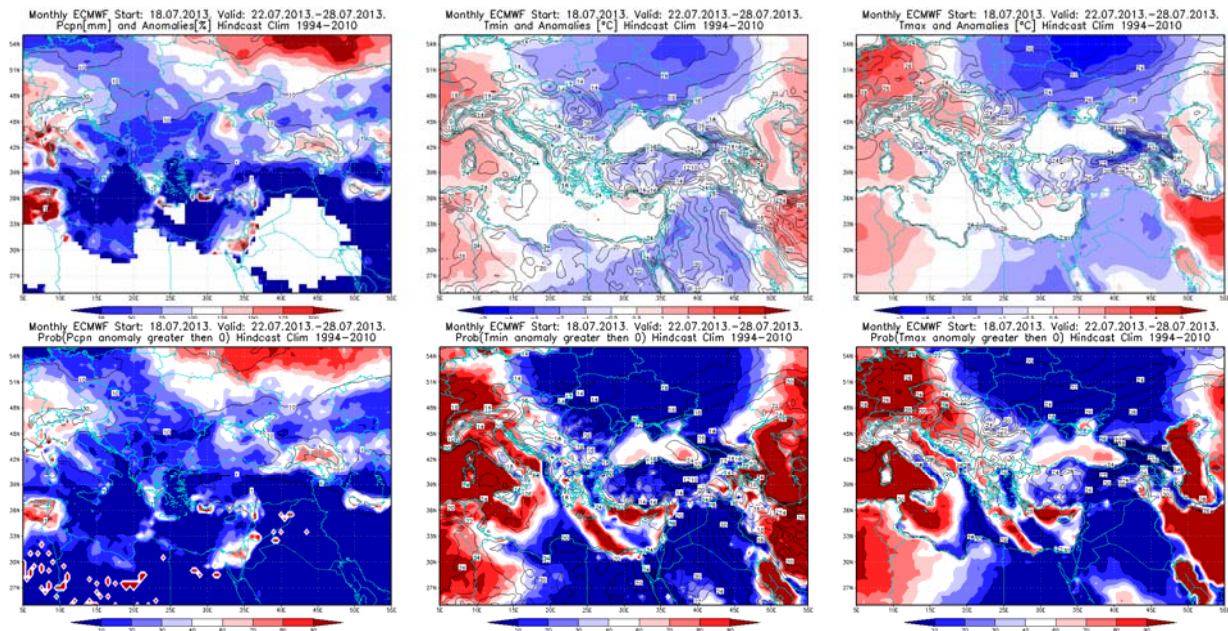


**Figure 1.** Temperature anomaly for recent weeks (source: Climate Prediction Center, USA)

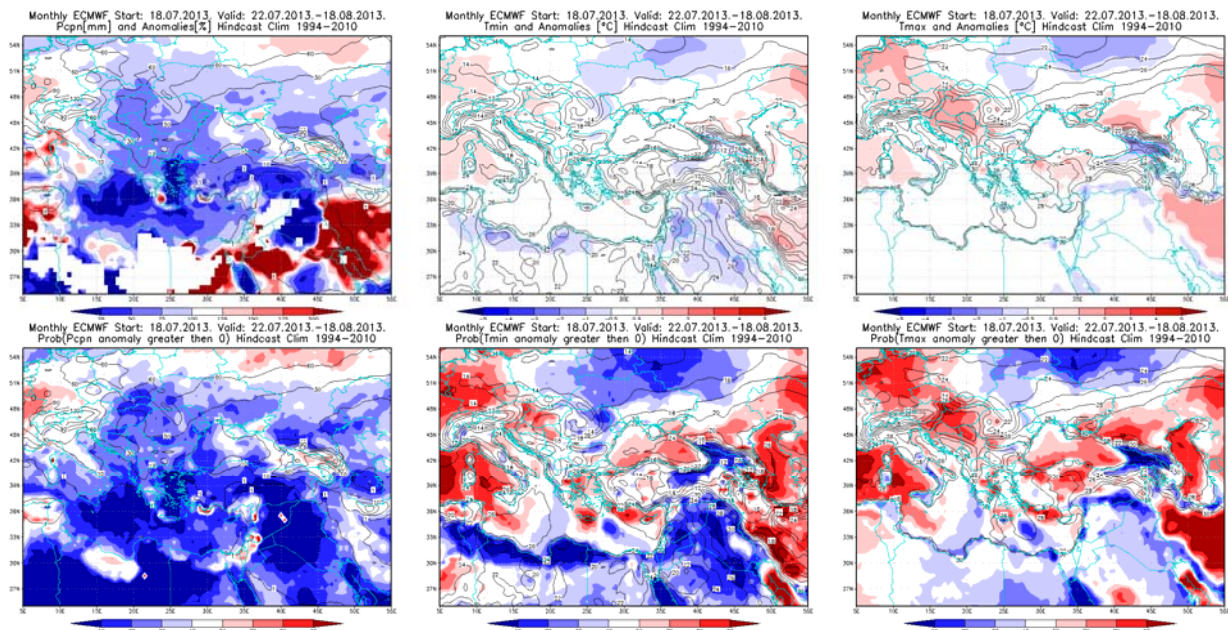


**Figure2.** Temperature anomaly for recent weeks for Middle East (source: Climate Prediction Center, USA)

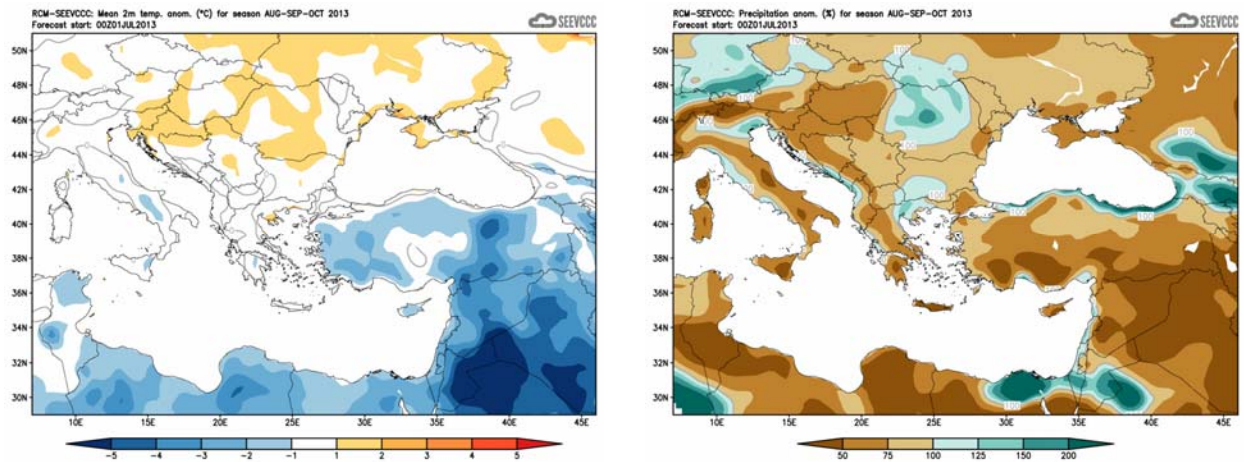




**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 22–28.7.2013 period



**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 22.7–18.8.2013 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/> )