

## Climate Watch (Serial No.: 20130819 – 00)

Initial/Updated/Final

Topic:	Warning:	0	No particular awareness
Organization issuing the statement:	SEEVCCC	1	Potentially dangerous
		2	Dangerous
Issued/ Amended / Cancelled	19-8-2013 12:00 P.M.	3	Very dangerous

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Valid from – to: 19-8-2013 – 15-9-2013 Next amendment: 26-8-2013

Region of concern: South-Eastern Europe

**„Within the first week (August 19<sup>th</sup> to 25<sup>th</sup>, 2013), ECMWF monthly forecast predicts average temperatures in most of SEE region. Below normal temperature, with anomaly around -1°C is expected in central, south and east Turkey as well as in South Caucasus, with probability around 80%. Precipitation deficit is expected in north Serbia, Croatia, most parts of Bosnia and Herzegovina and Montenegro, Albania, south Greece and in most parts of Turkey. With less confidence, precipitation surplus is expected in part of east and central Serbia, central Romania, part of north Turkey and South Caucasus. In the beginning of the period, water level on the upstream portion of Danube River will mark minor rise, followed by receding, whereas in the middle portion of the river slight increase preceded by the stagnation is expected by the end of the period. “**

### Monitoring

In the period from August 11<sup>th</sup> to 17<sup>th</sup> temperature above normal 1981-2010<sup>1</sup>, with anomaly from +1 up to +5 °C, was recorded in Balkans and west and north Turkey. In most part of SEE region there wasn't any significant precipitation, except in central Romania where 100mm of precipitation was registered.

Water levels on rivers Danube, Sava and Tisza characterized receding.

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

## **Outlook**

Within the first week (August 19<sup>th</sup> to 25<sup>th</sup>, 2013), ECMWF monthly forecast predicts average temperatures in most of SEE region. Below normal temperature with anomaly around -1°C is expected in central, south and east Turkey and South Caucasus, with probability around 80%. Precipitation deficit is expected in north Serbia, Croatia, most part of Bosnia and Herzegovina and Montenegro, Albania, south Greece and in most part of Turkey. With less confidence precipitation surplus is expected in part of east and central Serbia, central Romania, part of north Turkey and South Caucasus. In the beginning of the period, water level on the upstream portion of Danube River will mark minor rise, followed by receding, whereas in the middle portion of the river, slight increase preceded by the stagnation is expected by the end of the period.

During the second week (August 26<sup>th</sup> to September 1<sup>st</sup>, 2013) in most part of Balkans and central Turkey temperature above normal, with anomaly up to +2 °C, is expected. The probability for this event is around 80%. Precipitation deficit is expected in most part of SEE region, except south Balkans, east Turkey and South Caucasus where average precipitation is expected. Probability is around 80%. Water levels on rivers Danube, Sava and Tisza will hold steady.

In the period from August 19<sup>th</sup> to September 15<sup>th</sup>, above normal temperature, with anomaly up to +2 °C, is expected in the Balkans, while east Turkey and South Caucasus are expected to experience temperature below normal. The probability for these events is up to 90 %. Normal to dry weather conditions are expected across the entire region, with probability 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, apart from the part of central and north Romania, south Caucasus and northernmost Turkey where precipitation surplus is expected.

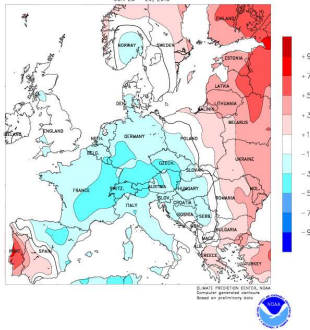
## **Update**

An updated statement will be issued on 26-8-2013.

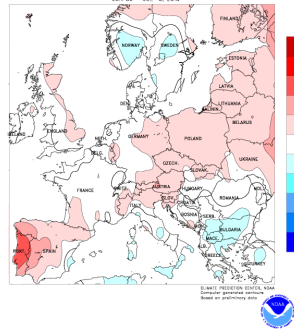
For further information please contact [cws-seevccc@hidmet.gov.rs](mailto:cws-seevccc@hidmet.gov.rs)

## ANNEX

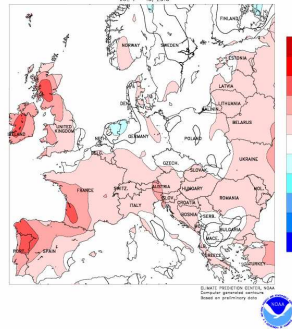
23-6-2013 – 29-6-2013



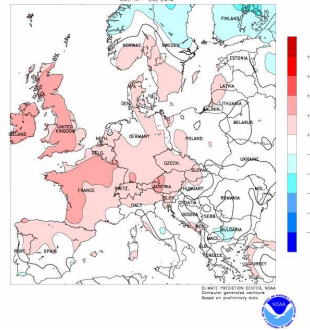
30-6-2013 – 6-7-2013



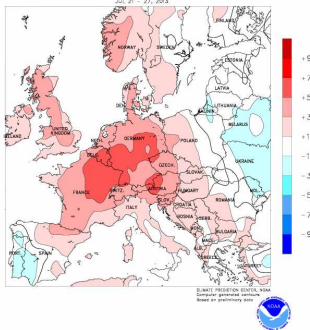
7-7-2013 – 13-7-2013



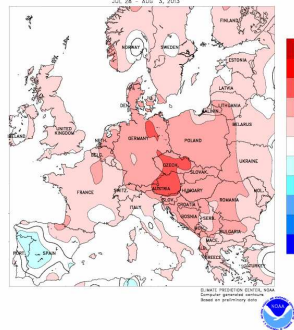
14-7-2013 – 20-7-2013



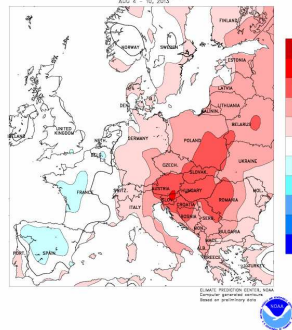
21-7-2013 – 27-7-2013



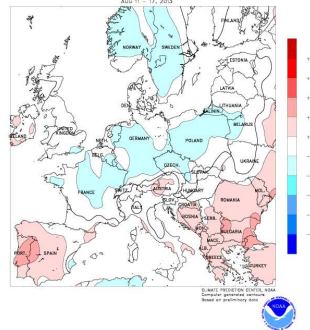
28-7-2013 – 3-8-2013



4-8-2013 – 10-8-2013

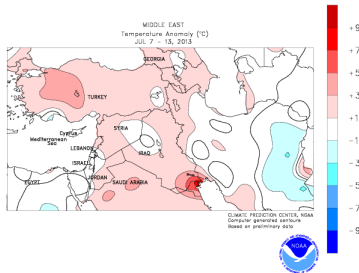


11-8-2013 – 17-8-2013

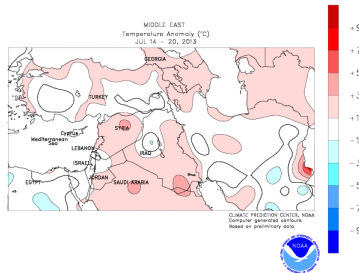


**Figure 1.** Temperature anomaly for recent weeks (source: Climate Prediction Center, USA)

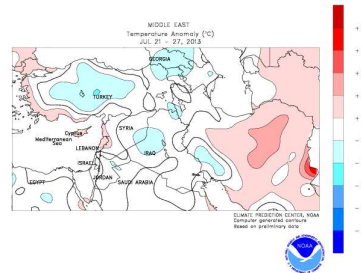
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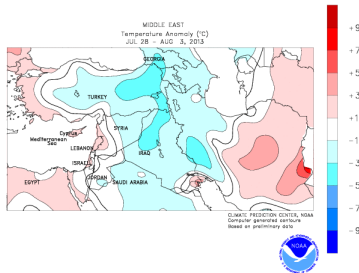
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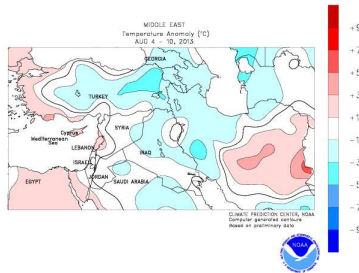
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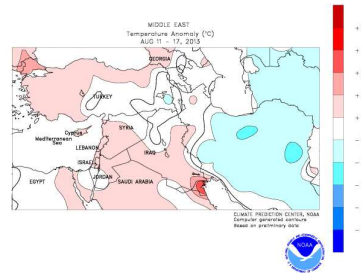
28-7-2013 – 3-8-2013



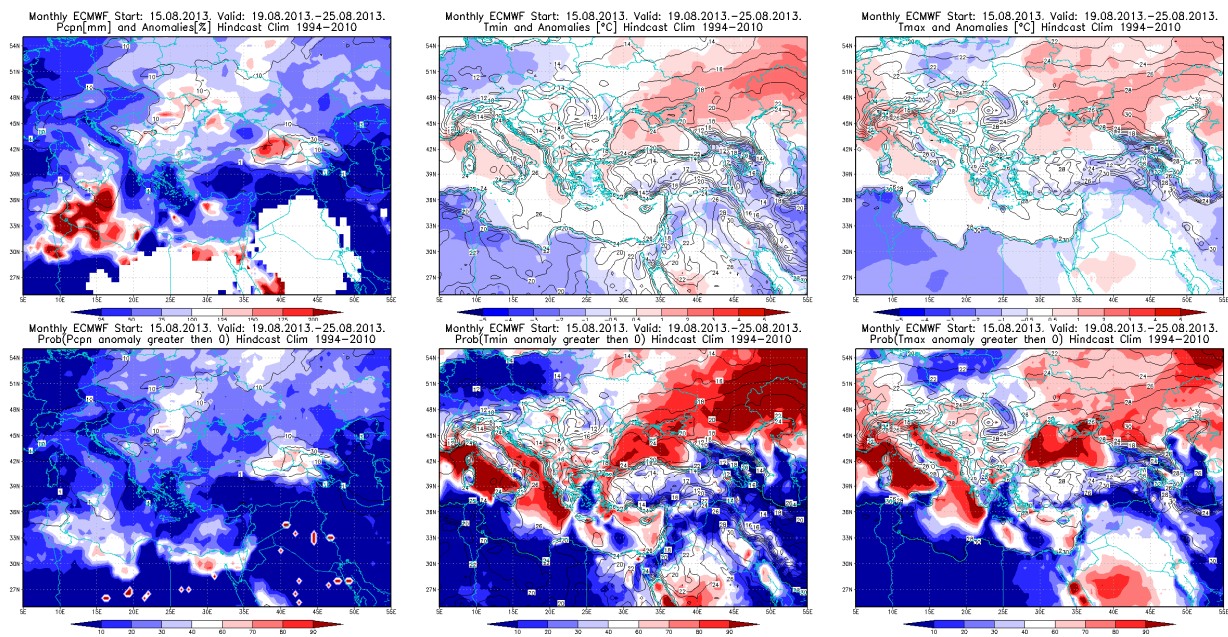
4-8-2013 – 10-8-2013



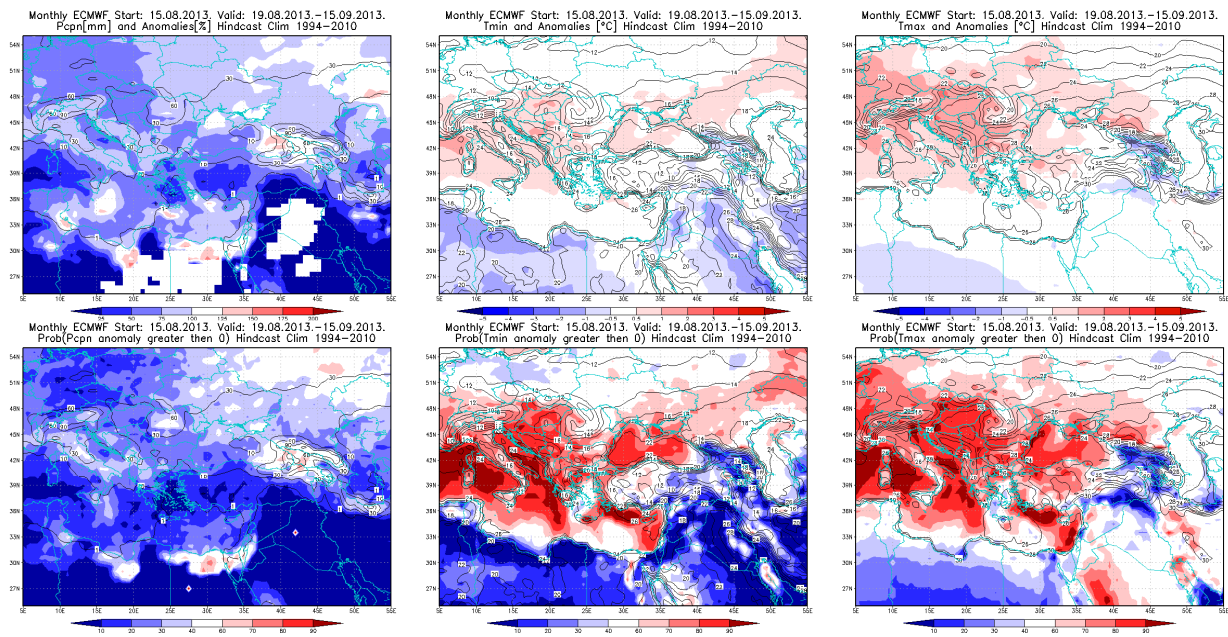
11-8-2013 – 17-8-2013



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

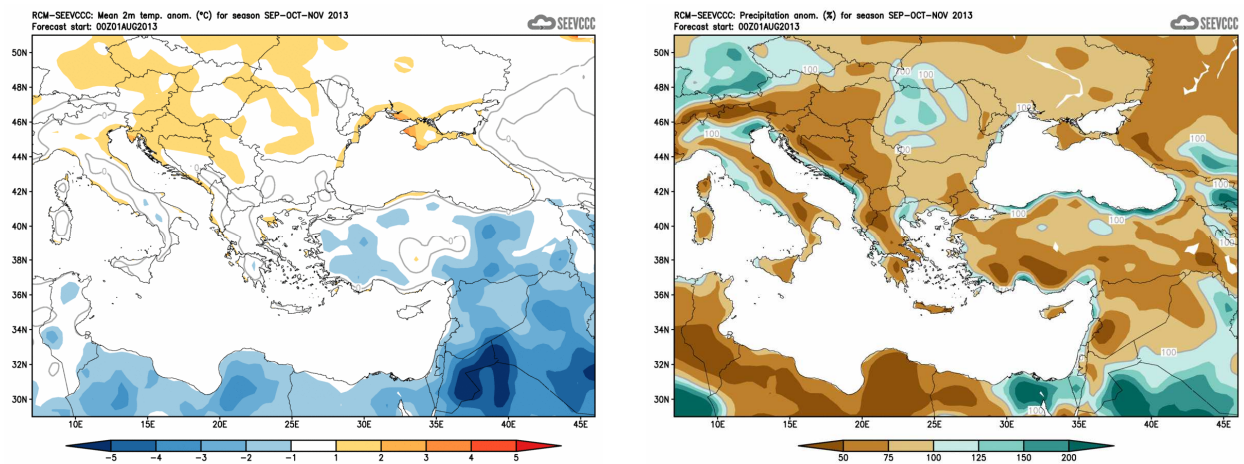


**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 19.–25.8.2013 period



**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 19.8– 15.9.2013 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](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/> )