

## Climate Watch (Serial No.: 20130930 – 00)

Initial/**Updated**/Final

Topic:	Warning:	<b>0</b>	No particular awareness
Organization issuing the statement:	SEEVCCC	1	Potentially dangerous
		2	Dangerous
<u>Issued/ Amended /</u> Cancelled	30-9-2013 12:00 P.M.	3	Very dangerous
Contact:	E-mail: cws-seevccc@hidmet.gov.rs Phone: +38112066925 Fax: +38112066929		
Valid from – to:	30-9-2013 – 13-10-2013	Next amendment: 7-10-2013	

Region of concern: South-Eastern Europe

**„ During next month, with probability for exceeding lower tercile of 90%, below normal temperature, with anomaly from -1 °C up to -3 °C, is expected in most part of SEE region. Within the first week, with probability for exceeding upper tercile of around 70%, precipitation surplus is expected in most of the region. “**

### Monitoring

In the period from September 22<sup>nd</sup> to 28<sup>th</sup>, temperature below normal 1981-2010<sup>1</sup>, with anomaly from -1 up to -3°C, was recorded in Moldova, most of Romania, Turkey and south Caucasus. Precipitation from 10 up to 100 mm was observed in northernmost Turkey and part of south Caucasus, while rest of the region didn't receive any significant precipitation quantities.

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

## **Outlook**

Within the first week (September 30<sup>th</sup> to October 06<sup>th</sup>, 2013), ECMWF monthly forecast predicts below normal temperature, with anomaly from -1 °C up to -5 °C, in the entire SEE region. The probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected in most of the region. The probability for exceeding upper tercile is around 70%.

During the second week (October 07<sup>th</sup> to 13<sup>th</sup>, 2013) most of Croatia, Bosnia and Herzegovina and northern Montenegro will see temperature above normal, with anomaly up to +1 °C, while in Moldova, eastern and southern Romania, central and eastern Bulgaria, Turkey and south Caucasus temperature below normal, with anomaly up to -3 °C, is expected. The probability is around 80%. In the entire SEE region normal to dry weather conditions are expected, with probability around 60%.

In the period from September 30<sup>th</sup> to October 27<sup>th</sup>, below normal temperature, with anomaly from -1 °C up to -3 °C, is expected in most part of SEE region. The probability for exceeding lower tercile is up to 90%. The region is expected to receive average amount of precipitation, with probability around 60%.

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

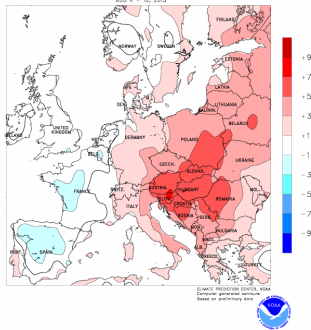
## **Update**

An updated statement will be issued on 7-10-2013.

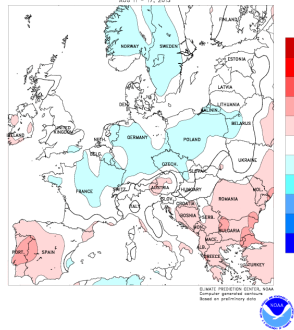
For further information please contact [cws-seevccc@hidmet.gov.rs](mailto:cws-seevccc@hidmet.gov.rs)

## ANNEX

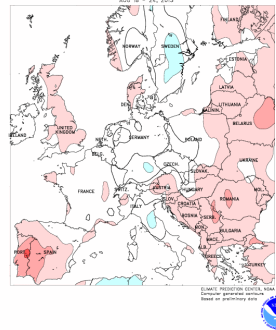
4-8-2013 – 10-8-2013



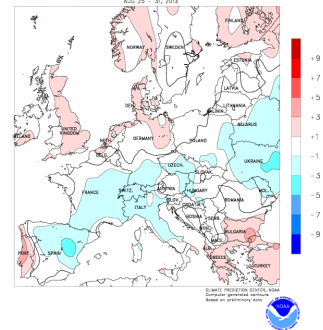
11-8-2013 – 17-8-2013



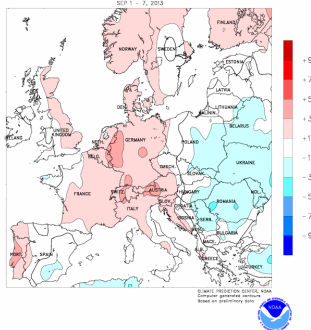
18-8-2013 – 24-8-2013



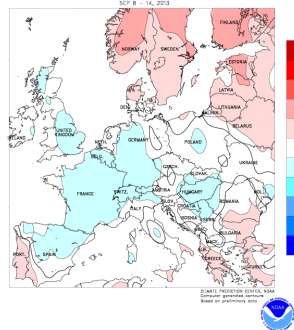
25-8-2013 – 31-8-2013



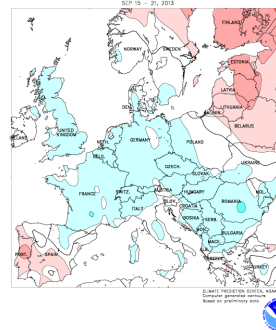
1-9-2013 – 7-9-2013



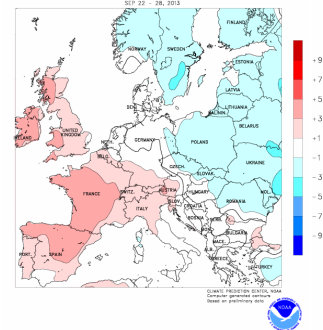
8-9-2013 – 14-9-2013



15-9-2013 – 21-9-2013

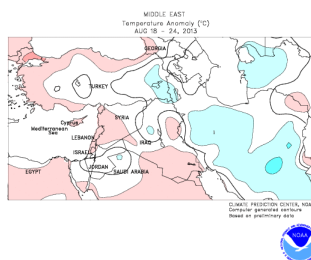


22-9-2013 – 28-9-2013

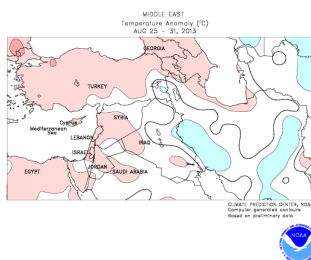


**Figure 1.** Temperature anomaly for recent weeks (source: Climate Prediction Center, USA)

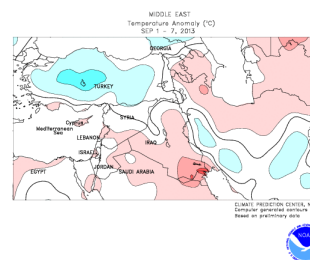
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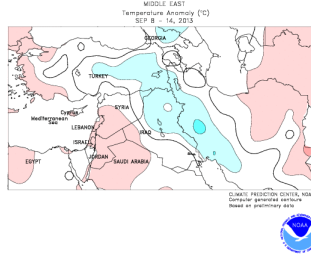
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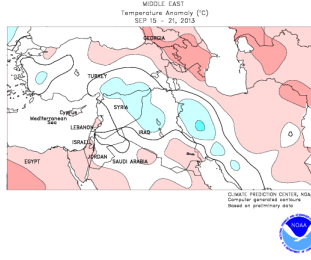
1-9-2013 – 7-9-2013



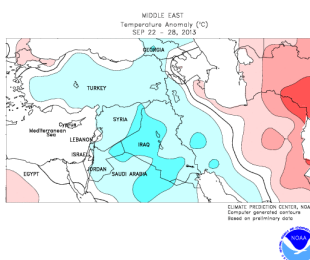
8-9-2013 – 14-9-2013



15-9-2013 – 21-9-2013

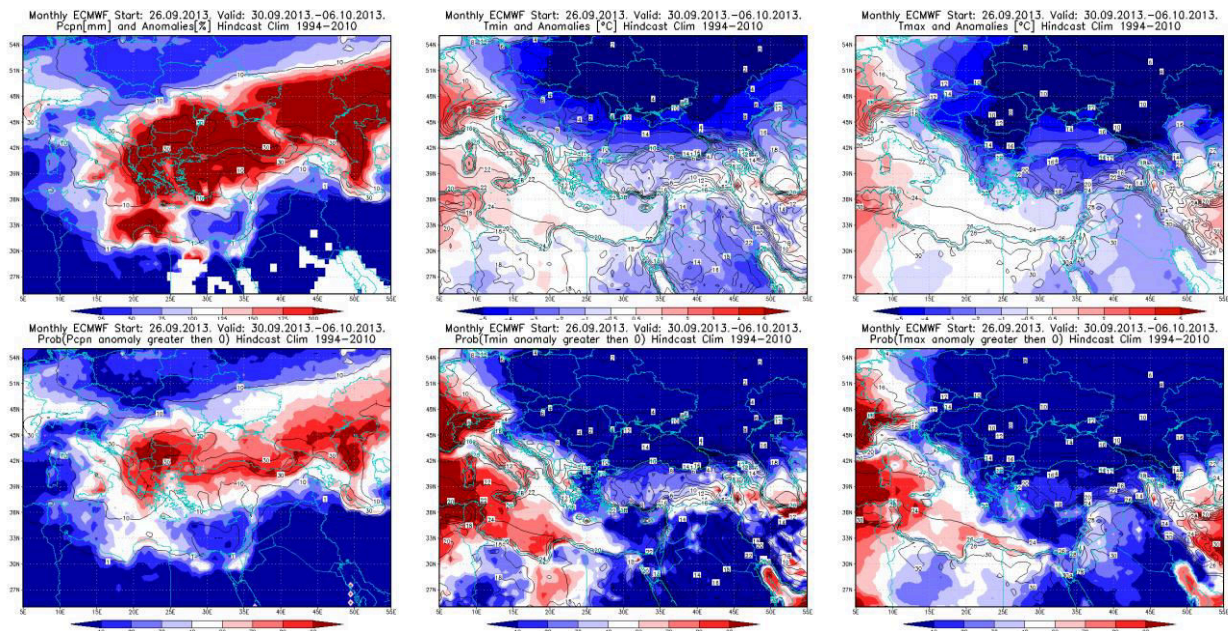


22-9-2013 – 28-9-2013

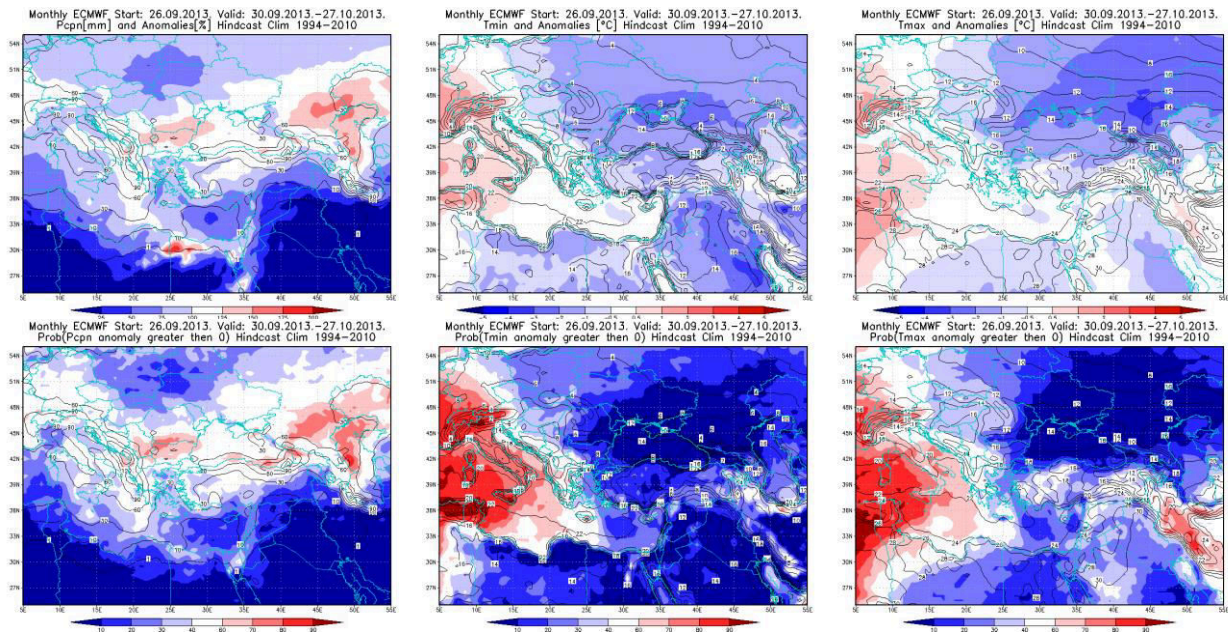


**Figure2.** Temperature anomaly for recent weeks for Middle East (source: Climate Prediction Center, USA)

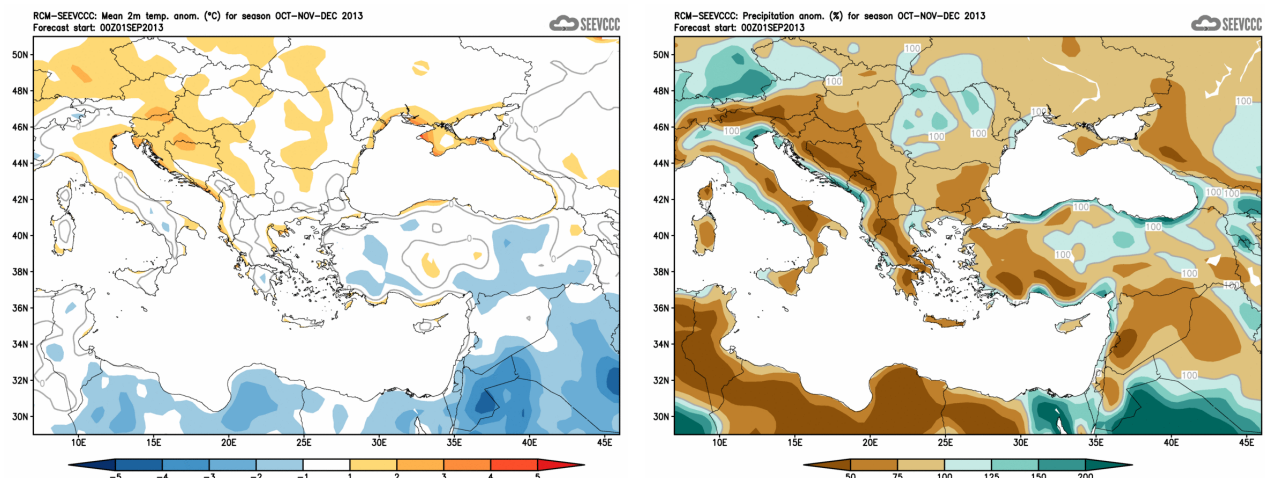




**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 30.9 – 6.10.2013. period



**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 30.9 – 27.10.2013. 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](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/> )