

## Climate Watch (Serial No.: 20130916 – 00)

Initial/Updated/Final

Topic:	Warning:	0	No particular awareness
Organization issuing the statement:	SEEVCCC	1	Potentially dangerous
		2	Dangerous
Issued/ Amended / Cancelled	16-09-2013 12:00 P.M.	3	Very dangerous
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Valid from – to:	16-09-2013 – 29-09-2013	Next amendment:	23-09-2013

Region of concern: South-Eastern Europe

**„During next week, with probability of around 70% for exceeding upper/lower tercile, temperature above normal (anomaly up to +2°C) is expected in northern Turkey and south Caucasus while temperature below normal (anomaly up to -2° C) is expected in western Balkans and southern Turkey. Within the next month, precipitation surplus is expected in most of Turkey and south Caucasus with probability up to 90% for exceeding upper tercile.**

### Monitoring

In the period from September 08<sup>th</sup> to 14<sup>th</sup> temperature above normal 1981-2010<sup>1</sup>, with anomaly from +1 up to +3°C, was recorded in southern Albania, Greece, southeastern Romania, most of Bulgaria and western Turkey. Temperature below normal with anomaly from -1 up to -3°C was registered in northern Croatia, northern and northwestern of Serbia, part of central Turkey and part of south Caucasus. In most of Balkans precipitation from 10 up to 100 mm was recorded, elsewhere no significant precipitation was observed.

### Outlook

Within the first week (September 16<sup>th</sup> to 22<sup>nd</sup>, 2013), ECMWF monthly forecast predicts, temperature above normal with anomaly up to +2°C in northern Turkey and south Caucasus, while temperature below normal, with anomaly up to -2° C, is expected in western Balkans and southern Turkey. The probability for exceeding upper/lower tercile is around 70%. Precipitation

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

surplus is expected in Moldova, most of Romania, Turkey and in coastal regions of SEE, while deficit is expected in south Caucasus. The probability for exceeding upper/lower tercile is up to 90%.

During the second week (September 23<sup>rd</sup> to 29<sup>th</sup>, 2013) most of SEE is expected to experience temperature below normal, with anomaly up to -2°C. The probability for this event is around 70%. Normal to wet weather conditions is expected in SEE region.

In the period from September 16<sup>th</sup> to October 13<sup>th</sup>, average temperature is expected in SEE region. In most of Turkey and south Caucasus precipitation surplus is expected, with probability for exceeding upper tercile up to 90%.

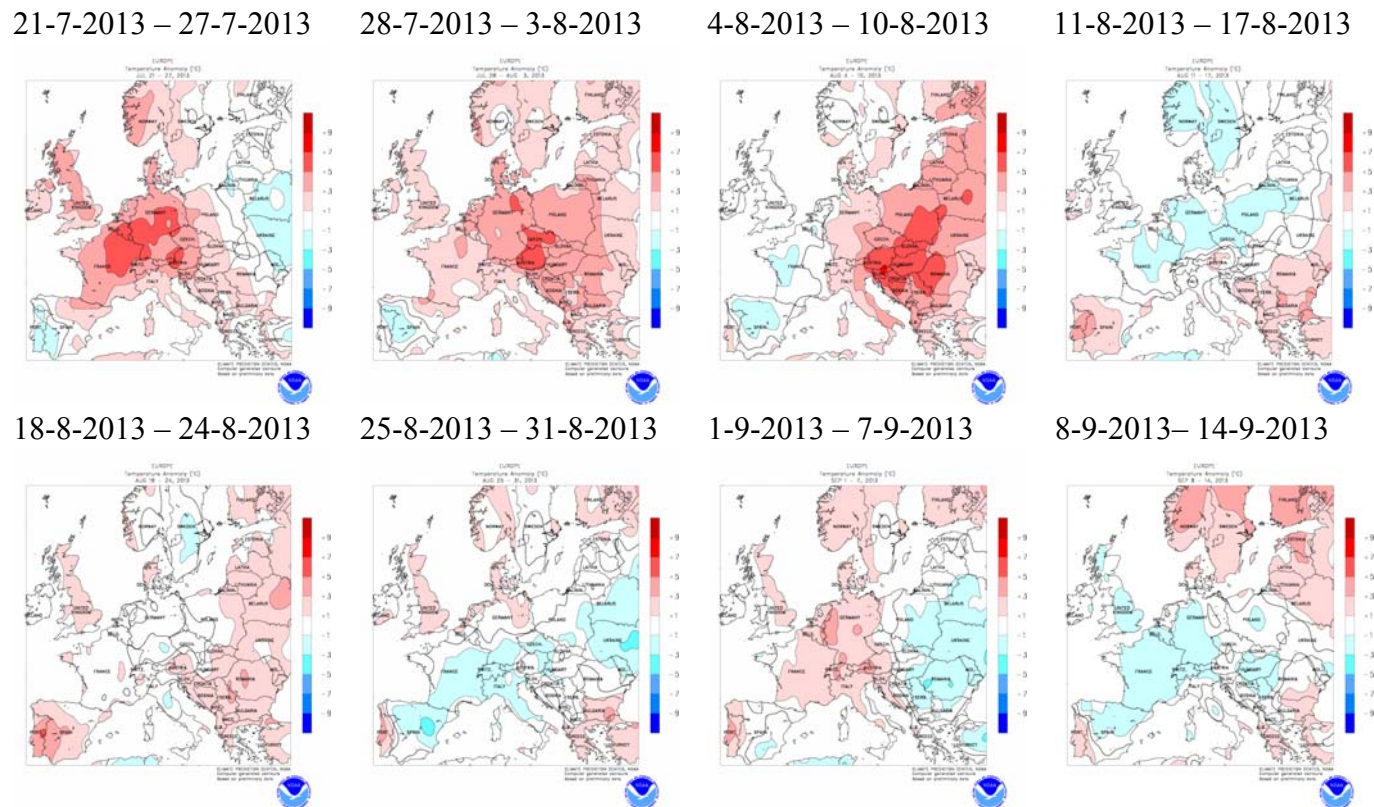
During the following three months (October, November, December) SEEVCCC seasonal forecast predicts slightly above normal temperature in most of western Balkans and temperature slightly below normal in some parts of Turkey. Normal to dry weather conditions are expected in most of SEE region, with the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

## **Update**

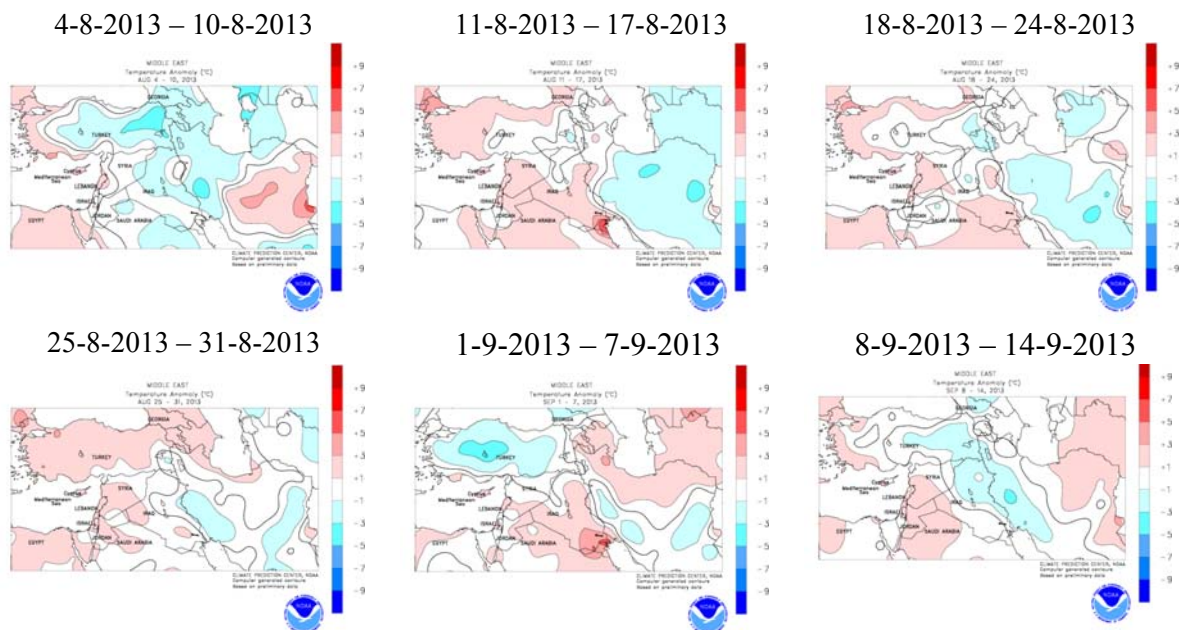
An updated statement will be issued on 23-09-2013.

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

## ANNEX

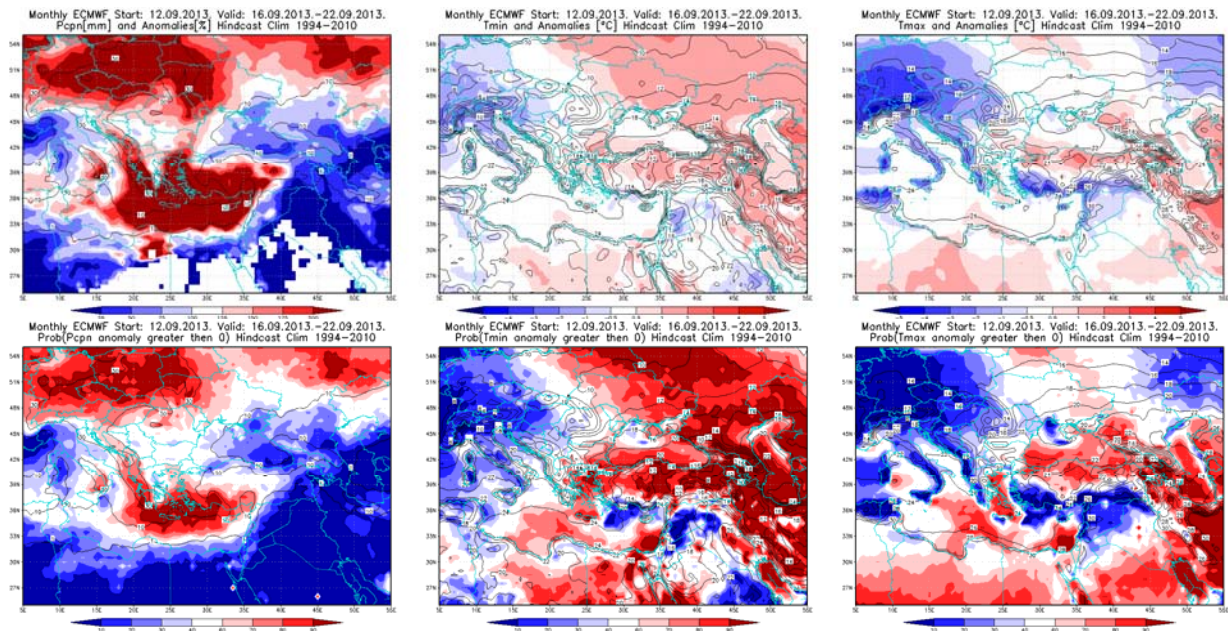


**Figure 1.** Temperature anomaly for recent weeks (source: Climate Prediction Center, USA)

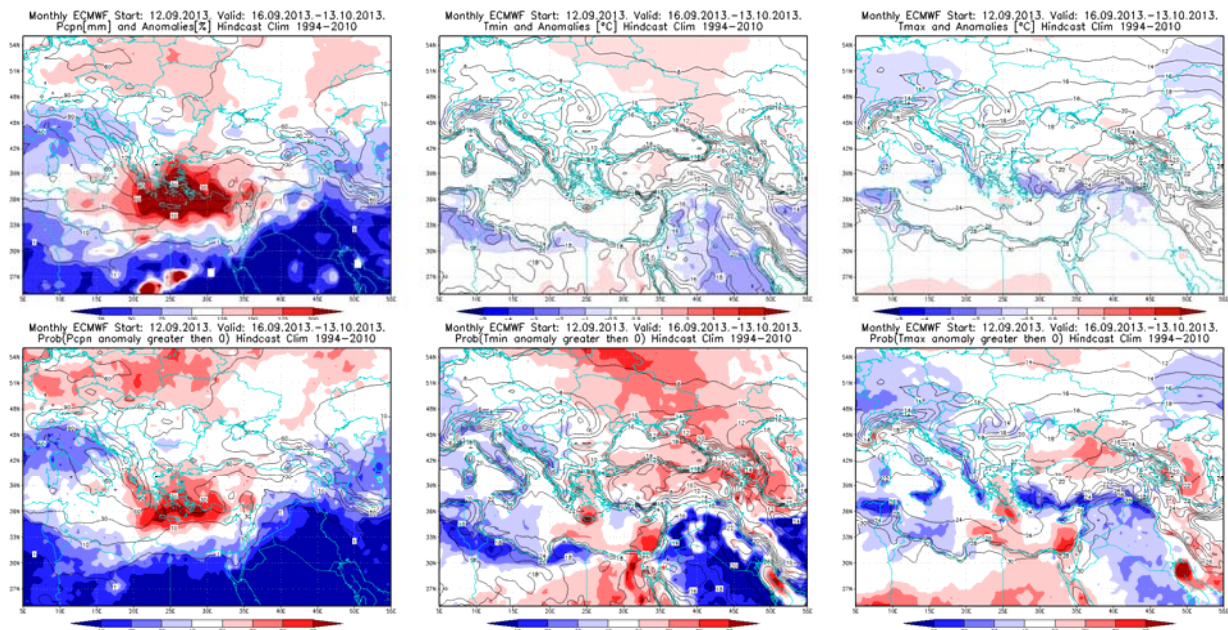


**Figure2.** Temperature anomaly for recent weeks for Middle East (source: Climate Prediction Center, USA)

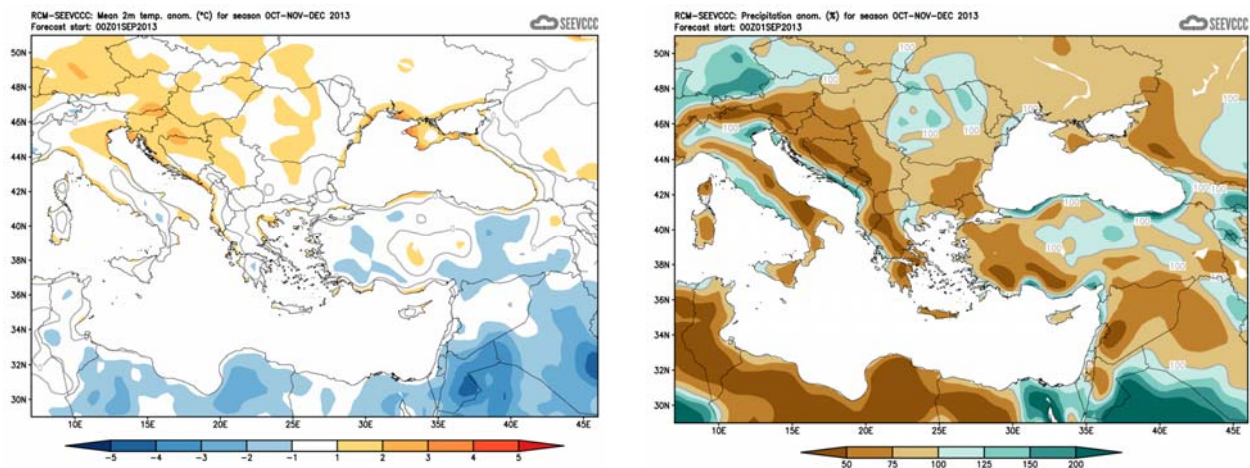




**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 16 – 22.09.2013 period



**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 16.09 – 13.10.2013 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/> )