

Climate Watch (Serial No.: 20130909 – 00)

Initial/Updated/Final

Topic:	Warning:	0	No particular awareness
Organization issuing the statement:	SEEVCCC	1	Potentially dangerous
		2	Dangerous
Issued/ Amended / Cancelled	09-09-2013 12:00 P.M.	3	Very dangerous
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Valid from – to:	09-09-2013 – 22-09-2013	Next amendment:	16-09-2013

Region of concern: South-Eastern Europe

„Within the first week, ECMWF monthly forecast predicts temperature above normal with anomaly up to +2°C in the Balkans, most part of Romania and Moldova. Temperature below normal, with anomaly up to -2° C, is expected in central and western part of Turkey and South Caucasus. The probability for both events is around 80%. Precipitation surplus is expected in Croatia, most part of Bosnia and Herzegovina, Montenegro and Romania, northern part of Albania and Serbia and part of Moldova with probability up to 80%. In the rest of the SEE region normal to dry weather conditions are expected with probability up to 90%.“

Monitoring

In the period from September 01st to 7th temperature above normal 1981-2010¹, with anomaly from +1 up to +3°C, was recorded in most part of Croatia, in western and southwestern part of Bosnia and Herzegovina and southern Albania. Temperature below normal with anomaly from -1 up to -3°C was recorded in most part of Serbia, northern part of Bulgaria, Romania, Moldova, and South Caucasus. In central part of Turkey temperature below normal with anomaly up to -5 was observed. Precipitation measuring from 25 up to 100 mm was registered in northern part of Turkey and part of South Caucasus. In rest of the region no significant precipitation was recorded.

At the beginning of the week water level at Danube River featured minor rise followed by stagnation. On the rivers Sava, Tisza and Drina water levels held steady.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (September 09th to 15th, 2013), ECMWF monthly forecast predicts, temperature above normal with anomaly up to +2°C in the Balkans, most part of Romania and Moldova. Temperature below normal, with anomaly up to -2° C, is expected in central and western part of Turkey and South Caucasus. The probability for both events is around 80%. Precipitation surplus is expected in Croatia, most part of Bosnia and Herzegovina, Montenegro, Romania, northern part of Albania and Serbia and part of Moldova with probability up to 80%. In the rest of the SEE region normal to dry weather conditions are expected with probability up to 90%. Water levels on the Danube River will characterize moderate rise. Sava River water levels will increase this week as well. Tisza River will hold steady.

During the second week (September 16th to 22nd, 2013) in most part of Croatia, northwestern part of Bosnia and Herzegovina, northeastern part of Serbia, eastern part of Romania temperature below normal, with anomaly up to -1°C is expected. The probability for this event is around 70%. Most part of Greece, eastern and southeastern part of Bulgaria, most part of central and northern Turkey are expected to experience above normal temperature, with anomaly up to +1°C. The probability for this event is around 80%. With less confidence precipitation surplus is expected in the entire SEE region. Moderate water level rise is expected on rivers Danube and Sava. Rivers Tisza and Drina will hold steady.

In the period from September 09th to October 6th, most part of coastal and central Greece and central part of Bulgaria temperature above normal, with anomaly around +1°C is expected, with probability around 80%. In the South Caucasus and southern Turkey temperature below normal, with anomaly up to -1°C is expected. The probability for this event is around 80%. With less confidence precipitation surplus is expected in most part of Balkan Peninsula, Romania, Turkey and South Caucasus.

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, with the exception of the coastal regions where precipitation surplus is expected.

Update

An updated statement will be issued on 16-09-2013.

For further information please contact cws-seevccc@hidmet.gov.rs

ANNEX

14-7-2013 – 20-7-2013 21-7-2013 – 27-7-2013 28-7-2013 – 3-8-2013 4-8-2013 – 10-8-2013

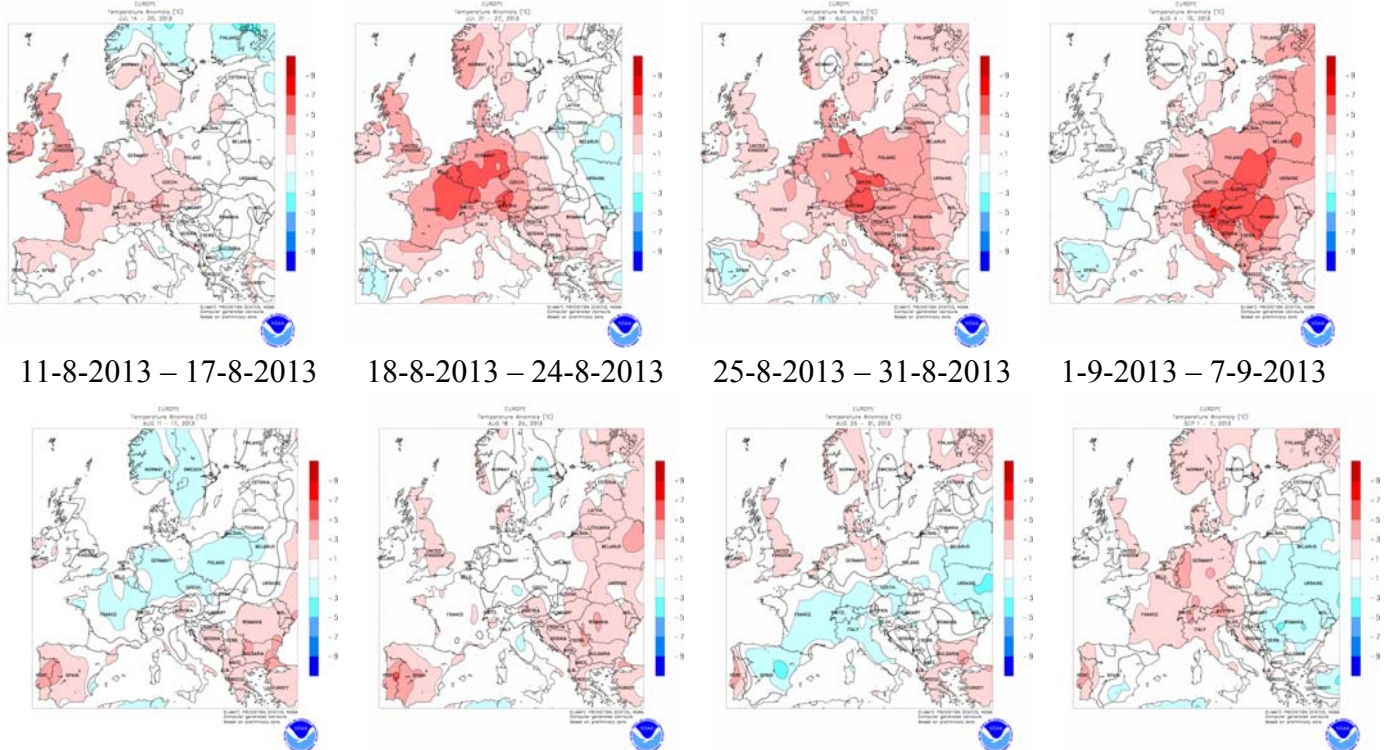


Figure 1. Temperature anomaly for recent weeks (source: Climate Prediction Center, USA)

28-7-2013 – 3-8-2013 4-8-2013 – 10-8-2013 11-8-2013 – 17-8-2013

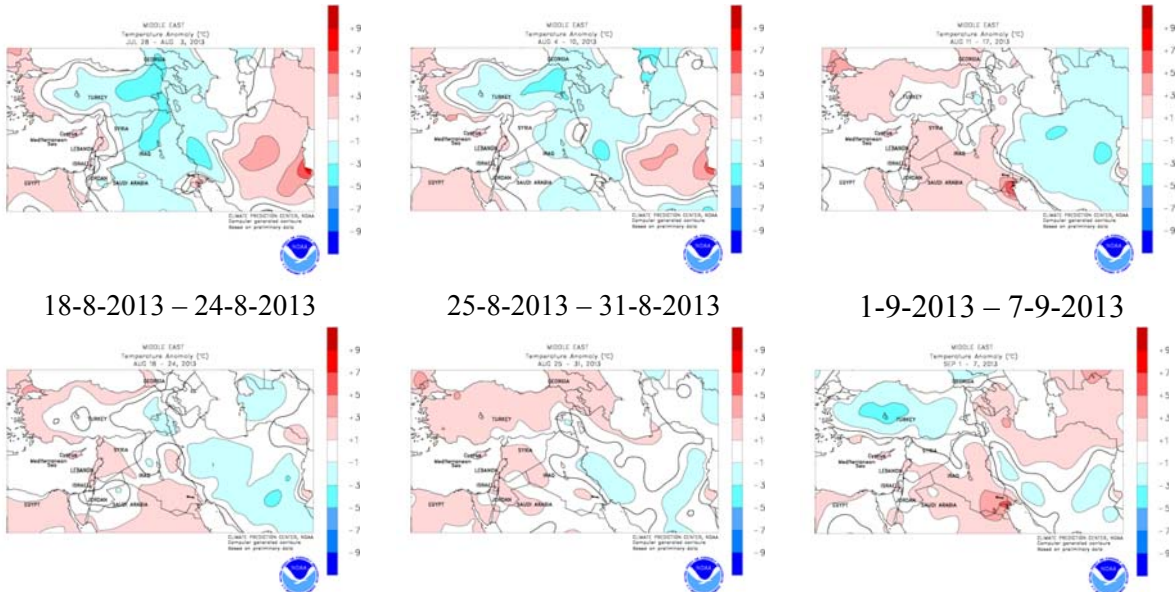


Figure2. Temperature anomaly for recent weeks for Middle East (source: Climate Prediction Center, USA)

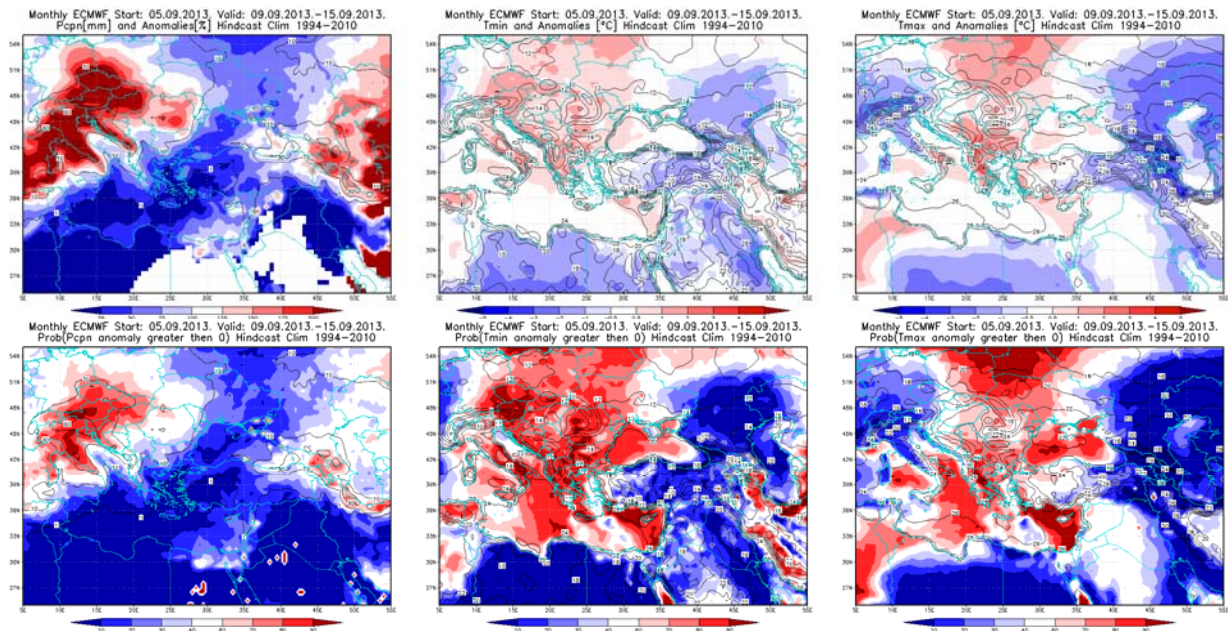


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 09.09 – 15.09.2013 period

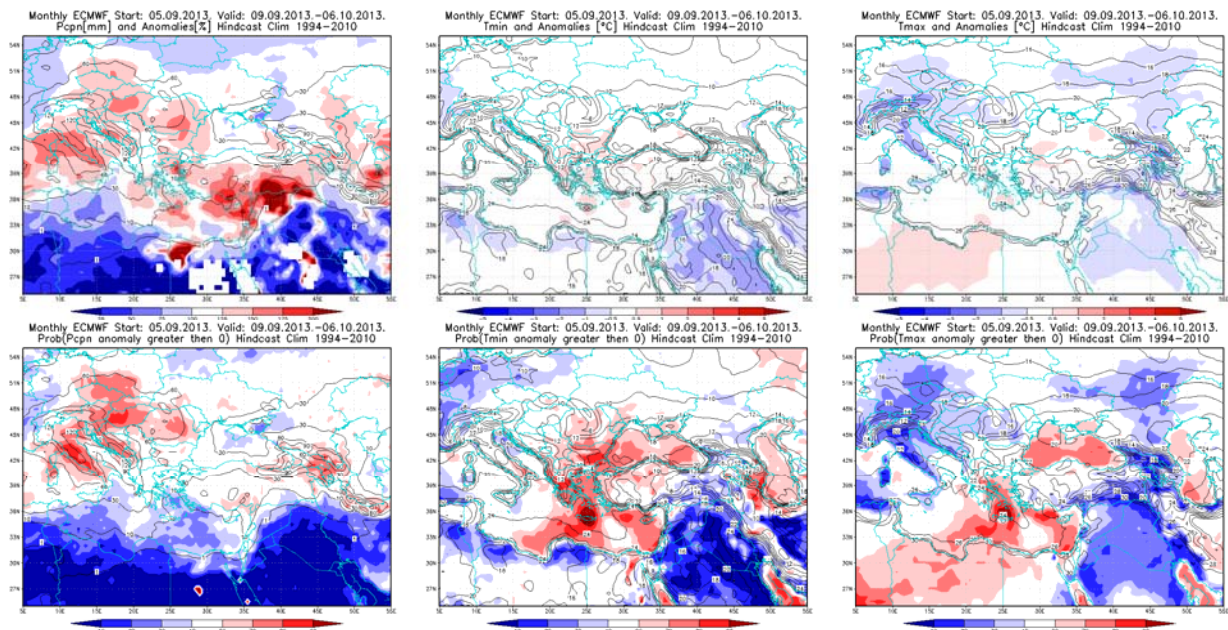


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 09.09 – 6.10.2013 period

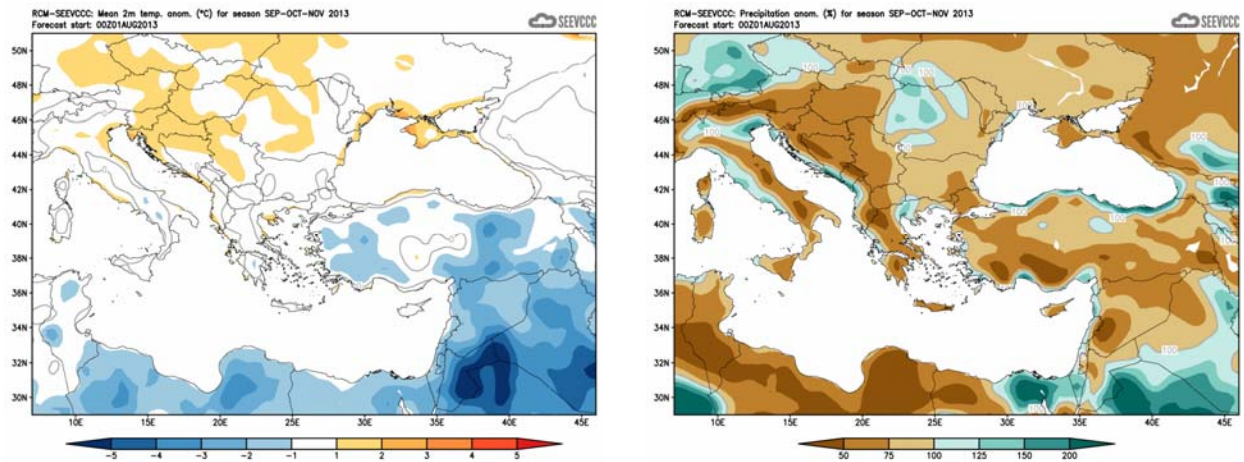


Figure 5. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook for RCM – SEEVCCC)

Sources

- Republic Hydrometeorological Service of Serbia (www.hidmet.gov.rs)
- South East European Virtual Climate Change Center (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/>)