Climate Watch (Serial No.: 20130708 – 00)

Initial/Updated/Final

Topic:		Warning:	0	No particular awareness
Organization issuing the statement:	SEEVCCC		1	Potentially dangerous
			2	Dangerous
Issued/ Amended / Cancelled	8-7-2013 12:00 P.M.		3	Very dangerous
Contact:	E-mail: cws-seevccc@hidmet.gov.rs Phone: +38112066925 Fax: +38112066929			
Valid from – to:	8-7-2013 – 21-7-2013	Next amendment: 15-7-2013		

Region of concern: South-Eastern Europe

„During next month with probability for exceeding upper tercil of around 70%, Precipitation surplus is expected in Balkans, while in Turkey temperature above normal, with anomaly up to +2 ^{o}C and probability of around 90% for exceeding upper tercil is expected. Minor receding on the middle part of the Danube River and slight drop of Sava River water level is expected. ”

Monitoring

In the period from June 30th to July 06^{th,} in part of southern Romania, Bulgaria, southern Serbia, easternmost Albania, fYR of Macedonia, northern and southernmost Greece and small part of western Turkey mean temperature below normal 1981-2010[1], with anomaly up to -3 ^{o}C was recorded, while in central and northern Turkey and south Caucasus it was above normal, up to +3 ^{o}C . Precipitation from 25 up to 200 mm was recorded in Moldova, eastern Romania, most of Bulgaria and small part of south Caucasus, while in rest of the region no significant precipitation was registered.

Water level of Danube River characterized receding and minor receding. Sava River water level featured stagnation followed by slight receding. Tisza River held steady.

[1] Reference climatological period is the 1981-2010 period

Outlook

Within the first week (July 08th to 14th, 2013), ECMWF mounthly forecast predicts below normal temperature, with anomaly up to -2 °C, in Balkans and south Caucasus, while in Turkey temperature above normal, with anomaly up to +2 °C is expected. The probability for exceeding lower/upper tercil is up to 90%. Precipitation surplus is expected in Balkans with probability for exceeding upper tercil of around 80%. In rest of the region precipitation deficit is expected. The water level on the upstream portion of Danube River will characterize stagnation, while minor receding is expected on the middle part of the river. Slight drop of Sava River water level as well as stagnation of Tisza River is expected.

During the second week (July 15st to 21st, 2013) in Turkey temperature above normal, with anomaly up to +2 °C and probability of around 70% for exceeding upper tercil is expected. In rest of SEE region normal to slightly cold weather conditions is expected. In most of SEE region precipitation deficit is expected with probability up to 90%. Water levels on rivers Danube, Tisza and Sava will hold steady.

In the period from July 08th to August 04th, in Turkey temperature above normal, with anomaly up to +2 °C and probability of around 90% for exceeding upper tercil is expected. In rest of SEE region normal to slightly cold weather conditions is expected. Precipitation surplus is expected in Balkans with probability for exceeding upper tercil of around 70%. In southern Greece, Turkey and south Caucasus precipitation deficit is expected.

During the following three months (July, August, September) SEEVCCC seasonal forecast predicts above normal temperature in most of Balkans, except Montenegro, northern, western and southern Albania, southern fYR of Macedonia and most part of Greece. Temperature below normal is expected in most part of Turkey and south Caucasus. Normal to dry weather conditions is expected in most of SEE region, except part of central Romania and south Caucasus and northernmost Turkey where precipitation surplus is expected.

Update

An updated statement will be issued on 15-7-2013.

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

ANNEX

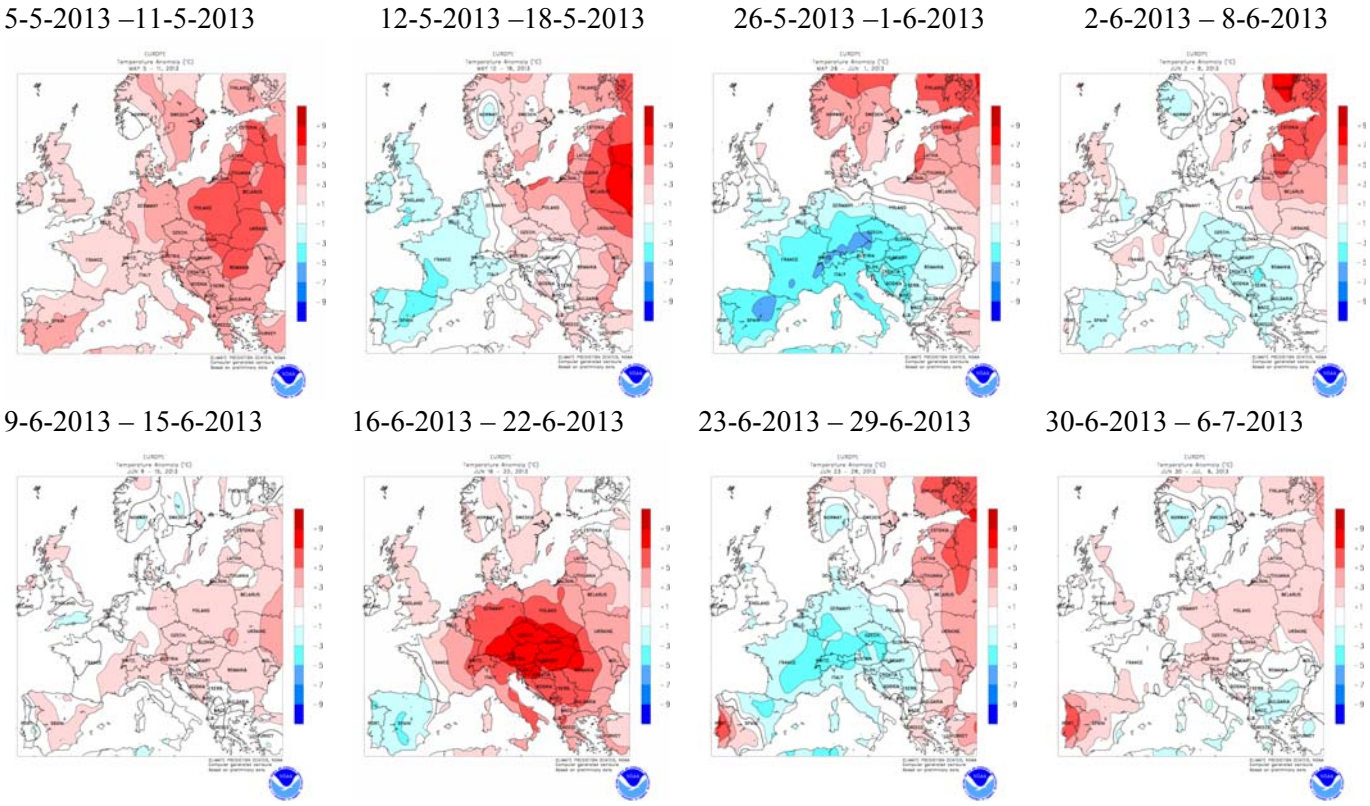

Figure 1. Temperature anomaly for recent weeks (source: Climate Predication Center, USA)

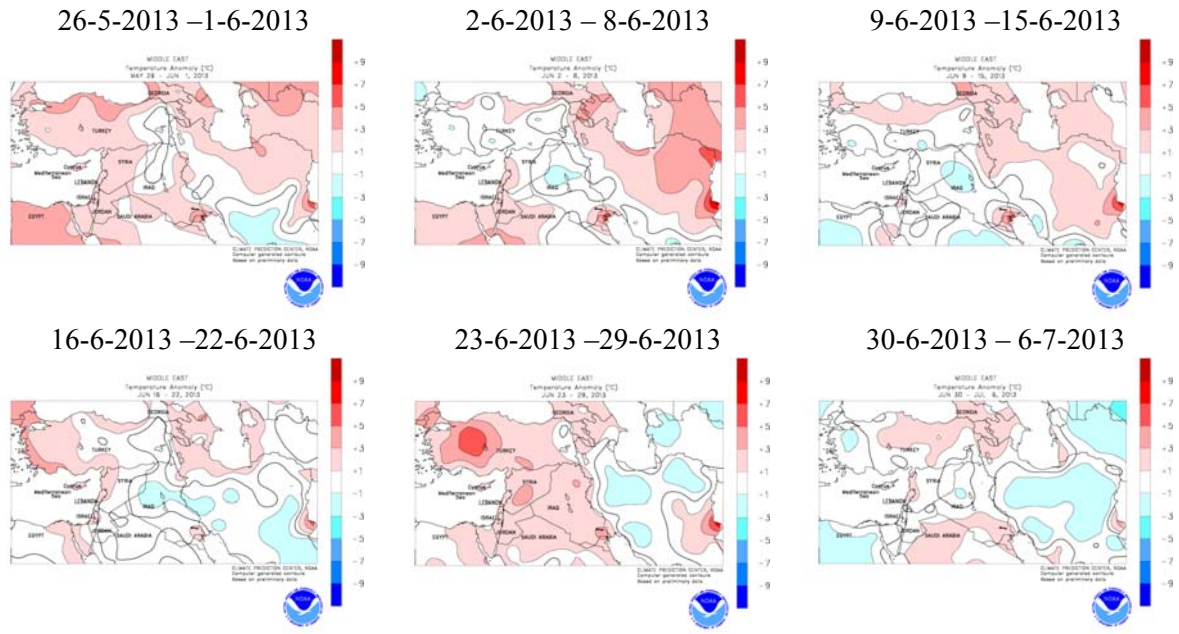

Figure2. Temperature anomaly for recent weeks for Middle East (source: Climate Predication Center, USA

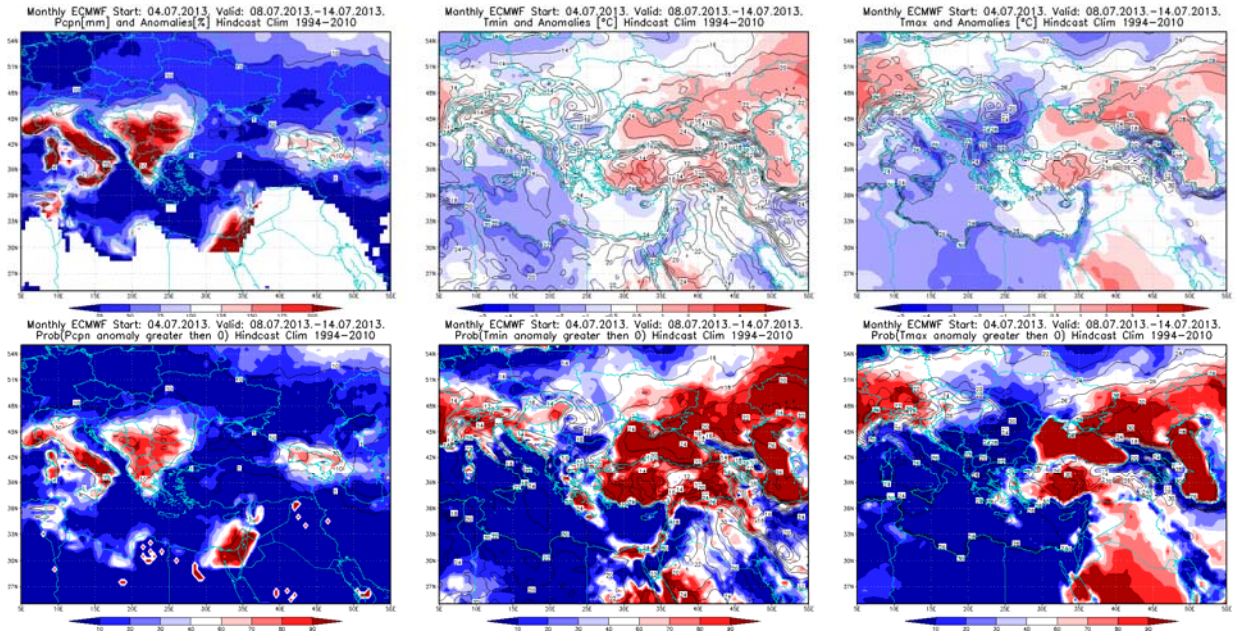

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 08 –14.07.2013 period

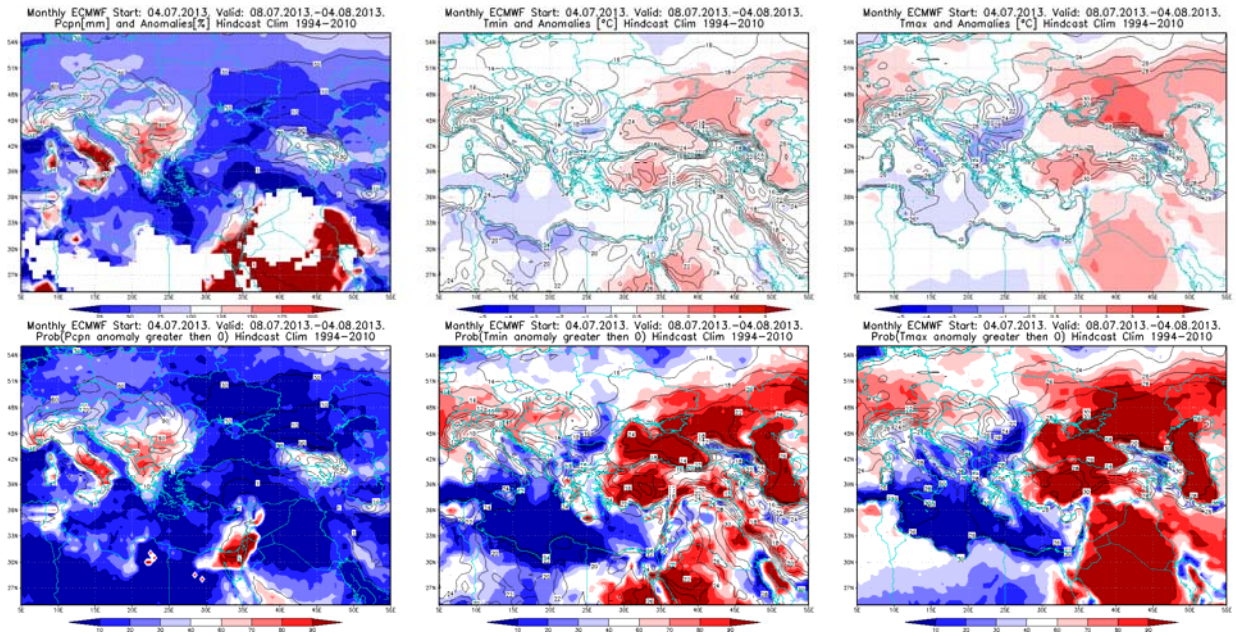

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 08.07– 04.08.2013 period

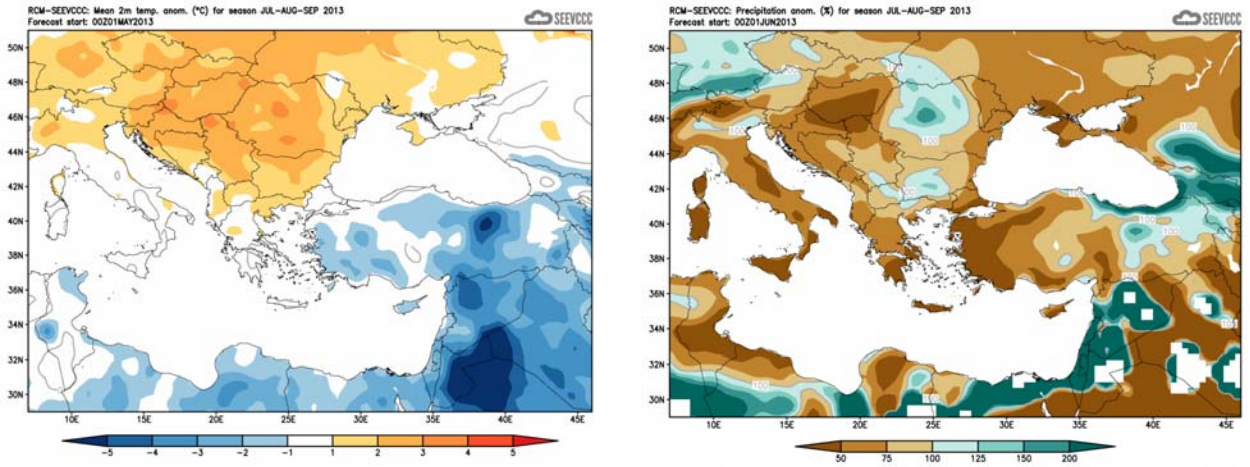

Figure 5. Mean seasonal temperature and precipitation anomaly for the season JAS (seasonal outlook for RCM – SEEVCCC)

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/)