Climate Watch (Serial No.: 20130624 – 00)

Initial/Updated/Final

Topic:		Warning:	0 No particular awareness
Organization issuing the statement:	SEEVCCC		1 Potentially dangerous
			2 Dangerous
Issued/ Amended / Cancelled	24-6-2013 12:00 P.M.		3 Very dangerous
Contact:	E-mail: cws-seevccc@hidmet.gov.rs Phone: +38112066925 Fax: +38112066929		
Valid from – to:	24-6-2013 – 7-7-2013	Next amendment:	1-7-2013

Region of concern: South-Eastern Europe

„During next month with probability for exceeding lower/upper tercile of around 60%, below normal temperature (anomaly up to -2 °C), is expected in Western Balkans, western Romania and along Adriatic and Ionian see, while in rest of the region temperature above normal (anomaly up to +2 °C) is expected. With probability for exceeding upper tercile of around 80% precipitation surplus is expected in Western Balkans, Moldova and Romania. During next week water level rise is expected on Danube River, Sava River, Tisza River and Banat streams. "

Monitoring

In the period from June 16th to 22nd, in most of SEE region, mean temperature above normal 1981-2010[1], with anomaly from +1 °C up to +7 °C was recorded. In most places of the region daily maximum temperature was between 30 °C and 40 °C. Precipitation up to 100mm was recorded in some places of northern Turkey and south Caucasus, while in rest of the region no significant precipitation was registered.

Water level on Danube River and Sava River was receding, while on Tisza River minor receding was observed.

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

Outlook

Within the first week (June 24th to 30th, 2013), ECMWF mounthly forecast predicts below normal temperature, with anomaly up to -3 °C, in Western Balkans, western Romania and along Adriatic and Ionian see, while in rest of the region temperature above normal, with anomaly up to +3 °C is expected. The probability for exceeding lower/upper tercile is up to 90%. Precipitation surplus is expected in Western Balkans, Moldova and Romania, with probability for exceeding upper tercile of around 80%. In rest of the region precipitation deficit is expected, with probability around 80%. Water level rise is expected on Danube River, Sava River, Tisza River and Banat streams.

During the second week (July 01st to 07th, 2013) in whole SEE region normal to cold weather conditions are expected, with anomaly around -2 ° C and probability for exceeding lower tercile around 70%. With less confidence precipitation surplus is expected in Greece and Turkey. Water level on Danube River will be receding. Upstream water levels on Tisza and Banat streams will decrease, while downstream stagnation is expected.

In the period from June 24th to July 21st, below normal temperature, with anomaly up to -2 °C, in Western Balkans, western Romania and along Adriatic and Ionian see, while in rest of the region temperature above normal, with anomaly up to +2 °C is expected. The probability for exceeding lower/upper tercile is around 60%. Precipitation surplus is expected in Western Balkans, Moldova and Romania, with probability for exceeding upper tercile of around 80%. In rest of the region precipitation deficit is expected, with probability around 80%.

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 are 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 1-7-2013.

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

ANNEX

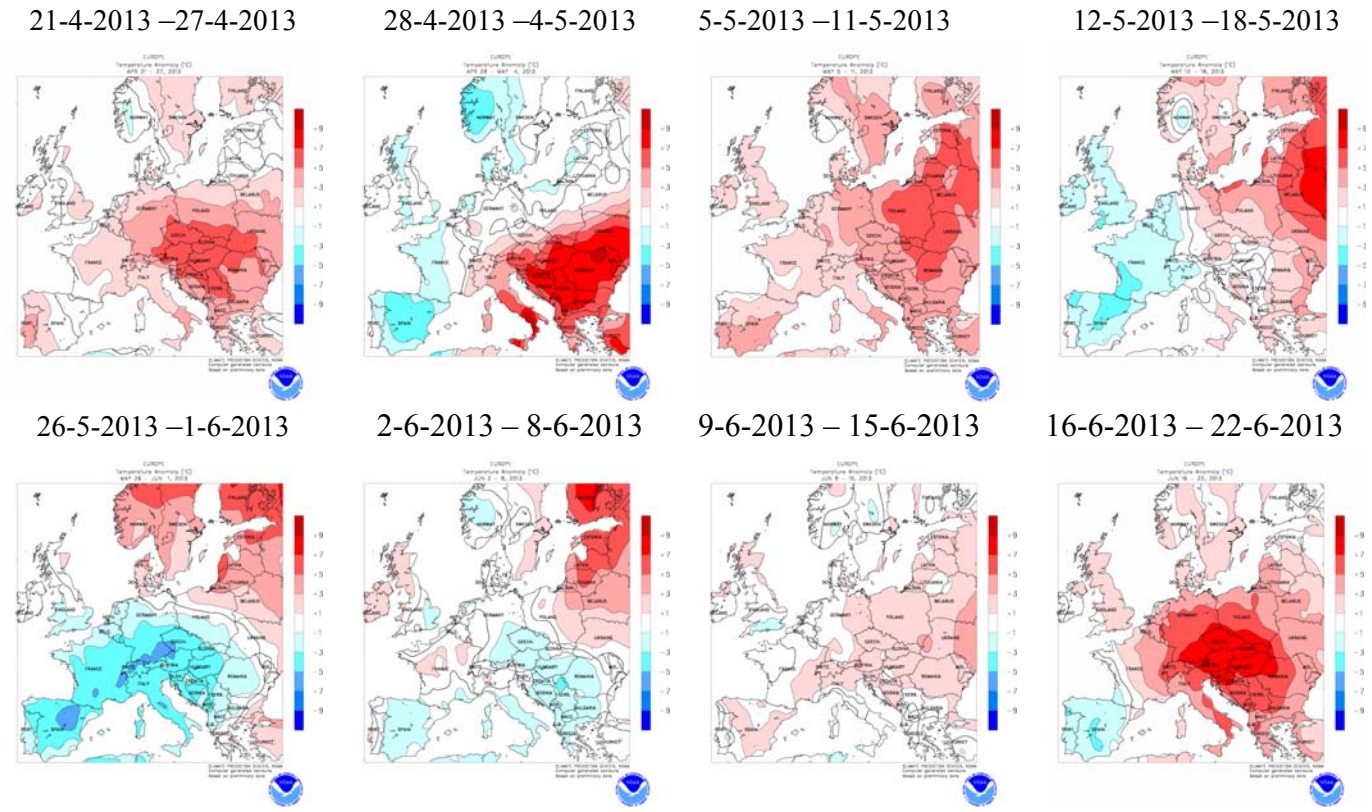

Figure 1. Temperature anomaly for recent weeks (source: Climate Predication Center, USA)

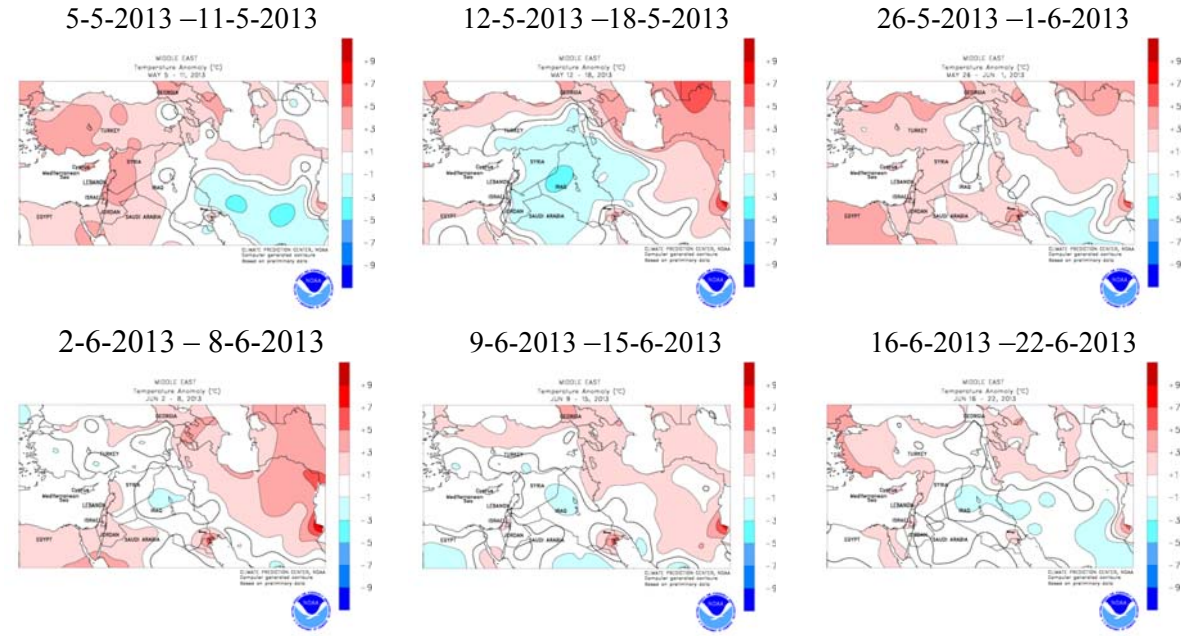

Figure2. Temperature anomaly for recent weeks for Middle East (source: Climate Predication Center, USA

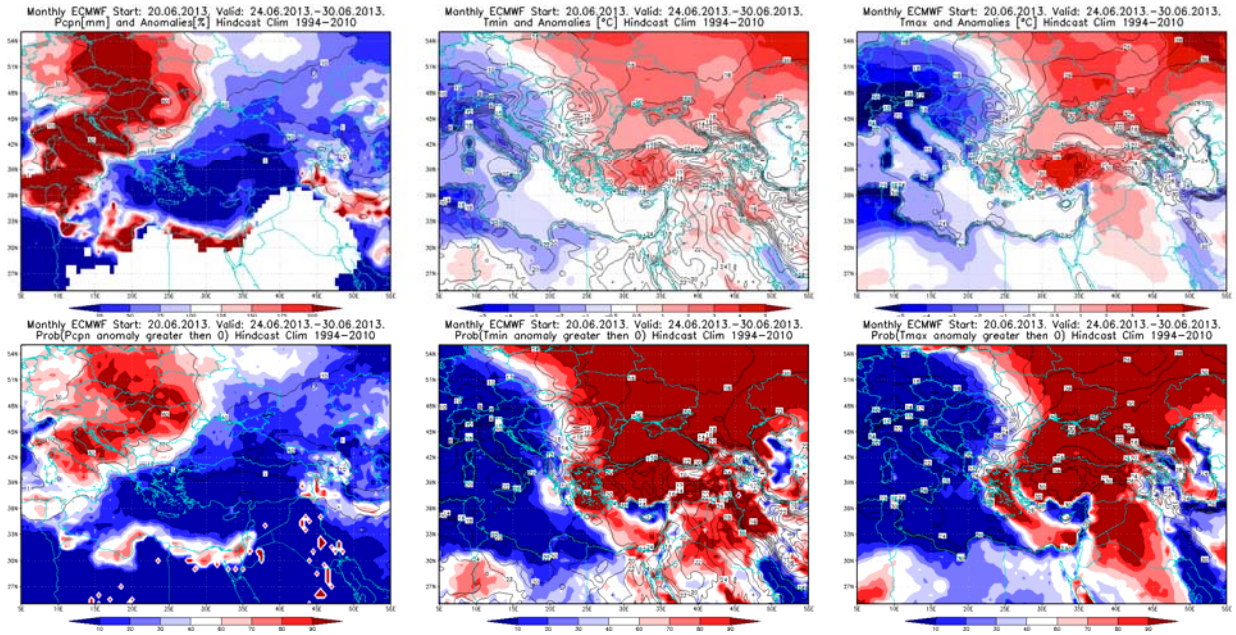

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 24 –30.6.2013 period

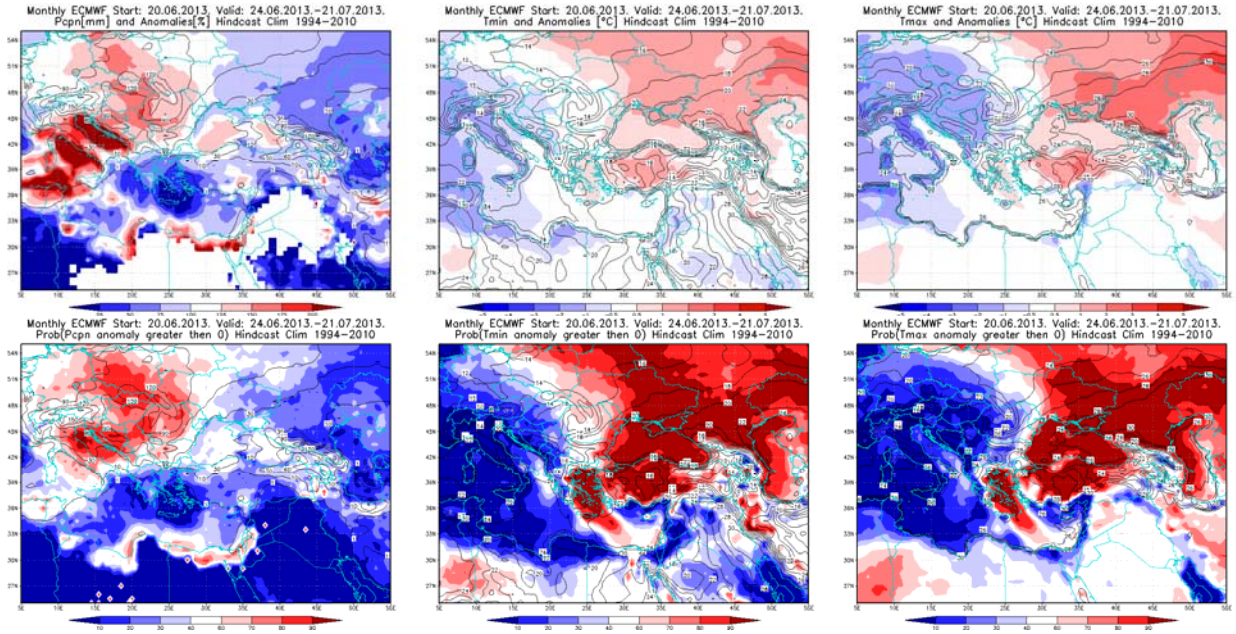

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 24.6– 21.7.2013 period

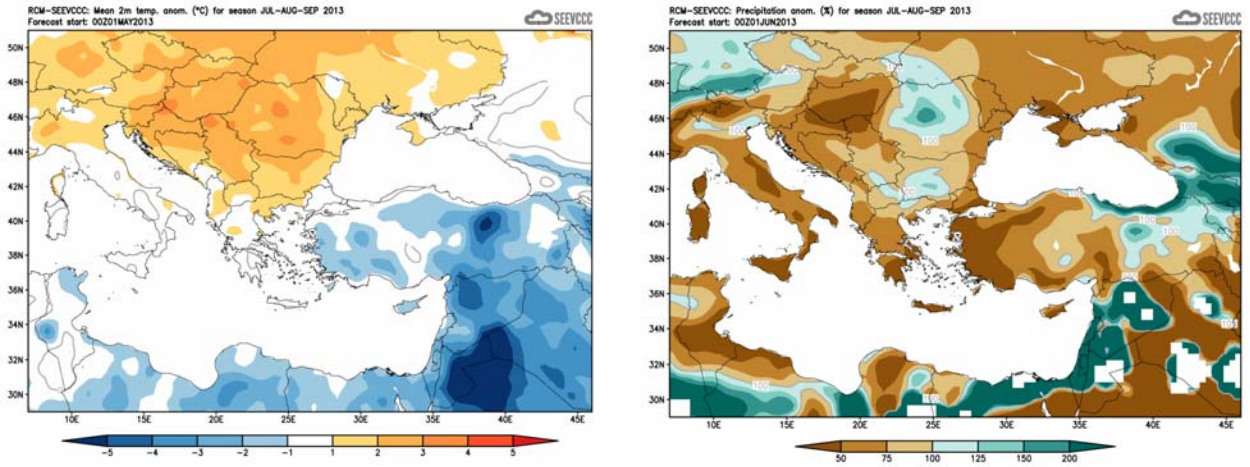

Figure 5. Mean seasonal temperature and precipitation anomaly for the season JAS (seasonal outlook for RCM – SEEVCCC)

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/)