

Climate Watch (Serial No.: 20130715 – 00)

Initial/Updated/Final

Topic:	Warning:	0	No particular awareness
Organization issuing the statement:	SEEVCCC	1	Potentially dangerous
		2	Dangerous
Issued/ Amended / Cancelled	15-7-2013 12:00 P.M.	3	Very dangerous
Contact:	E-mail: cws-seevccc@hidmet.gov.rs Phone: +38112066925 Fax: +38112066929		
Valid from – to:	15-7-2013 – 28-7-2013	Next amendment:	22-7-2013

Region of concern: South-Eastern Europe

„Within the first week (July 15th to 21th, 2013), ECMWF monthly forecast predicts below normal temperature, with anomaly up to -3 °C, in most part of Balkans and in west Turkey, while central and eastern Turkey and south Caucasus will experience temperature above normal, with anomaly up to +2 °C. The probability for exceeding lower/upper tercile is around 90%. Precipitation surplus with less confidence is expected in most part of Greece, southeastern Albania and northwestern Turkey. In the remainder of SEE region precipitation deficit is expected, with probability around 80% “

Monitoring

In the period from July 7th to 13th, in most part of SEE region temperature above normal 1981-2010¹, with anomaly from +1 up to +3 °C, in northwestern Turkey up to +5 °C, was recorded. Precipitation up to 100 mm was registered in northeastern part of Romania, eastern and central Croatia, northernmost Bosnia and Herzegovina and eastern Albania. In most part of Croatia, northern Bosnia and Herzegovina, western and southwestern part of Serbia, western FYR Macedonia, central part of Bulgaria and northwestern part of Romania precipitation from 25 to 50 mm was observed. In rest of the region no significant precipitation was registered.

On the upstream portion of Danube River water level characterized receding while minor receding was observed downstream. The upstream and middle part of Sava River held steady and declined downstream. Tisza River held steady.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (July 15th to 21th, 2013), ECMWF monthly forecast predicts below normal temperature, with anomaly up to -3 °C, in most part of Balkans and in west Turkey, while in central and eastern Turkey and south Caucasus temperature above normal, with anomaly up to +2 °C is expected. The probability for exceeding lower/upper tercile is around 90%. Precipitation surplus with less confidence is expected in most part of Greece, southeastern Albania and northwestern Turkey. In the remainder of SEE region precipitation deficit is expected, with probability around 80%. Water level on the upstream part of Danube River will hold steady, while on the middle portion minor receding and receding is expected. Sava River water level will decline, whereas Tisza River will hold steady.

During the second week (July 22th to 28th, 2013) in coastal part of Adriatic see, Bosnia and Herzegovina, Montenegro, FYR of Macedonia, Albania, most part of Serbia, most part of Bulgaria, south Romania and in north Greece, temperature below normal, with anomaly up to -2 °C, is expected. Temperature above normal, with anomaly +2 °C, is expected in most parts of Turkey. Probability for exceeding lower/upper tercile is around 80%. With less confidence precipitation surplus is expected in south Croatia, Bosnia and Herzegovina, Montenegro, Serbia, most part of Bulgaria, part of northeastern and western Greece and western Turkey. Precipitation deficit is expected in most part of Turkey and south Caucasus. Probability for this event is up to 90%. Water level on rivers Danube and Sava will decline, while Tisza and Drina will hold steady.

In the period from July 15th to August 11th, below normal temperature, with anomaly up to -2 °C, is expected in south part of Bosnia and Herzegovina and Serbia, Montenegro, Albania, FYR of Macedonia, most part of Bulgaria and north part of Greece while in most part of Turkey temperature above normal, with anomaly up to +2 °C is expected. The probability for exceeding lower/upper tercile is around 80%. With less confidence precipitation surplus is expected in most part of Greece, southern Albania and part of central Turkey, while in rest part of Turkey, Moldova and coastal part of Greece precipitation deficit is expected with probability around 80%.

During the following three months (August, September, October) SEEVCCC seasonal forecast predicts average temperature in most of Balkans. 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, apart from the part of central Romania and south Caucasus and northernmost Turkey where precipitation surplus is expected.

Update

An updated statement will be issued on 22-7-2013.

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

ANNEX

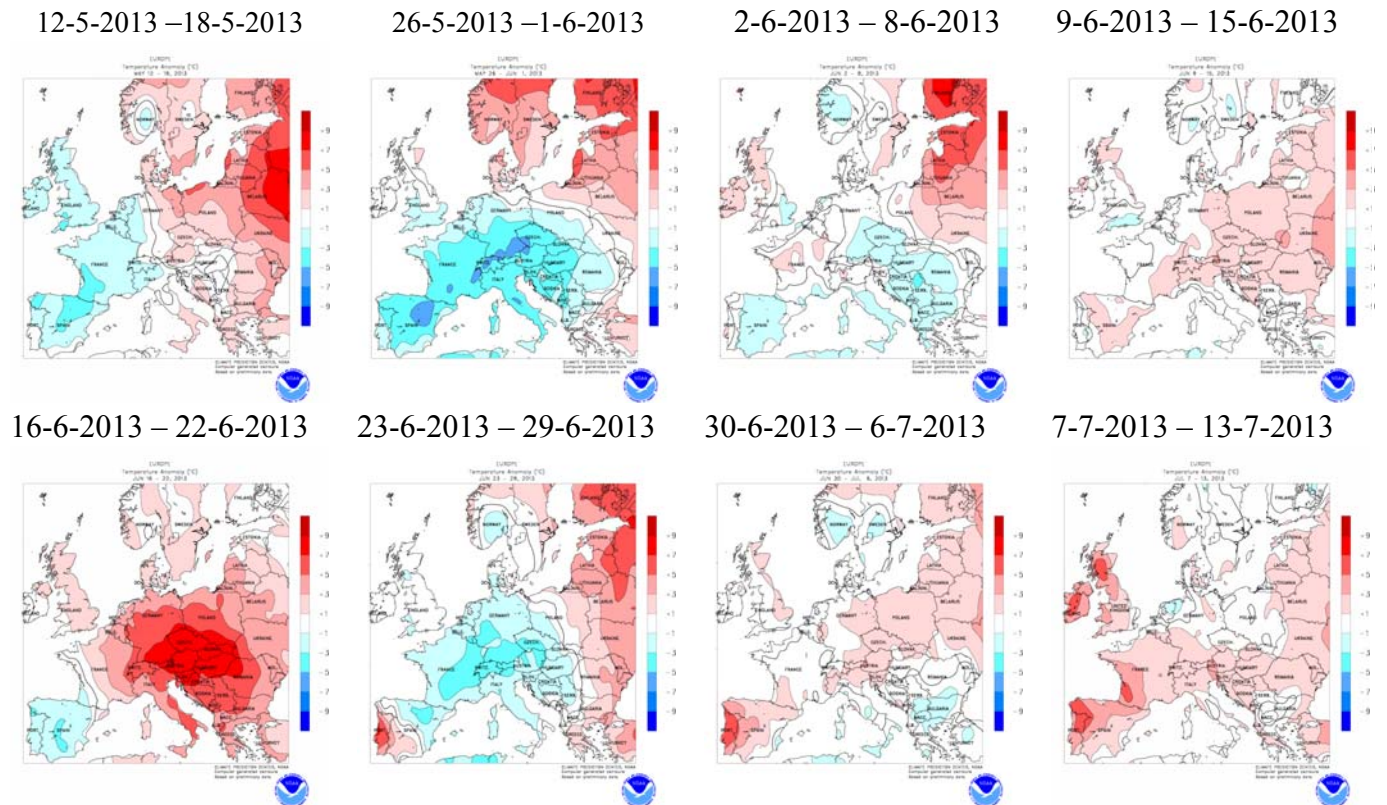


Figure 1. Temperature anomaly for recent weeks (source: Climate Prediction Center, USA)

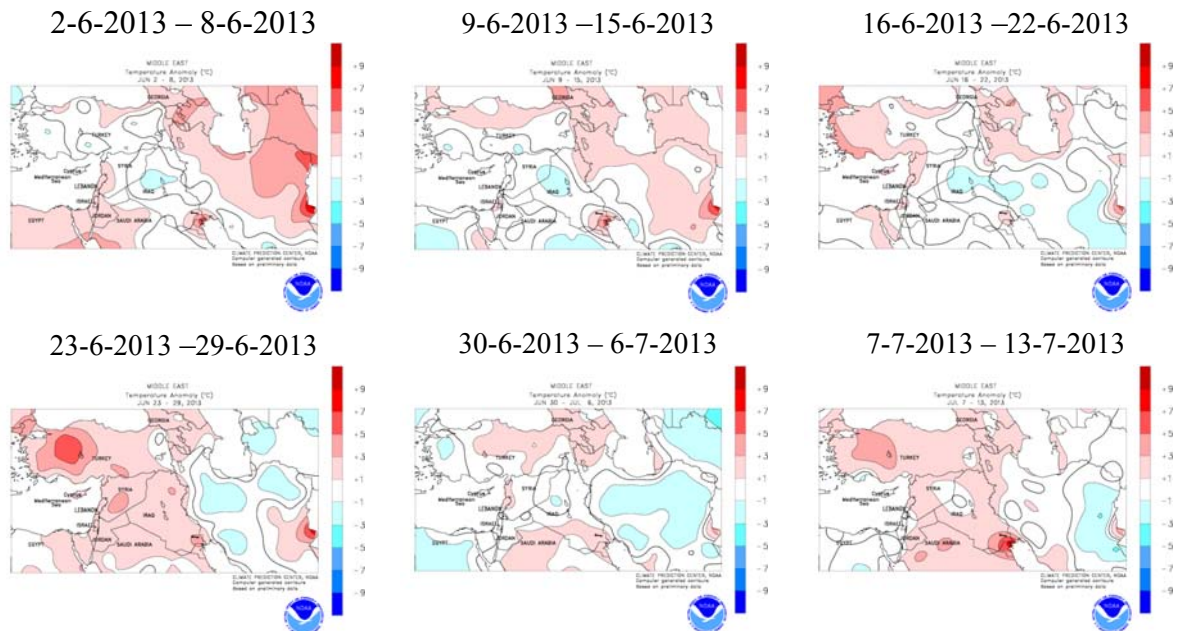


Figure2. Temperature anomaly for recent weeks for Middle East (source: Climate Prediction Center, USA)

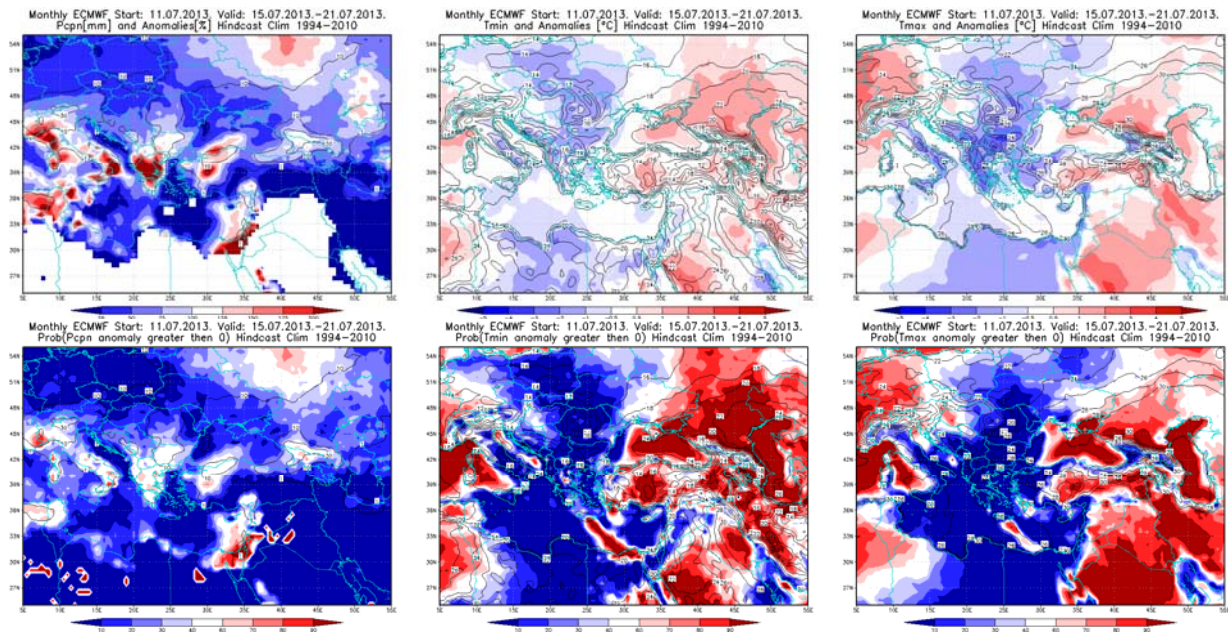


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 15 –21.7.2013 period

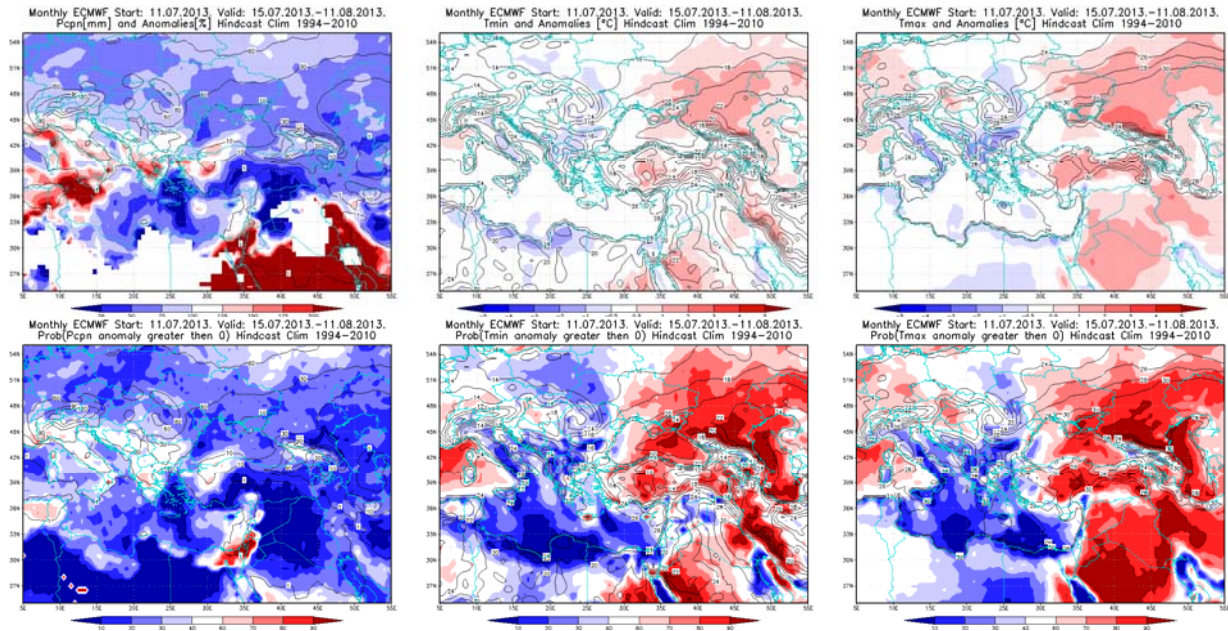


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 15.7– 11.8.2013 period

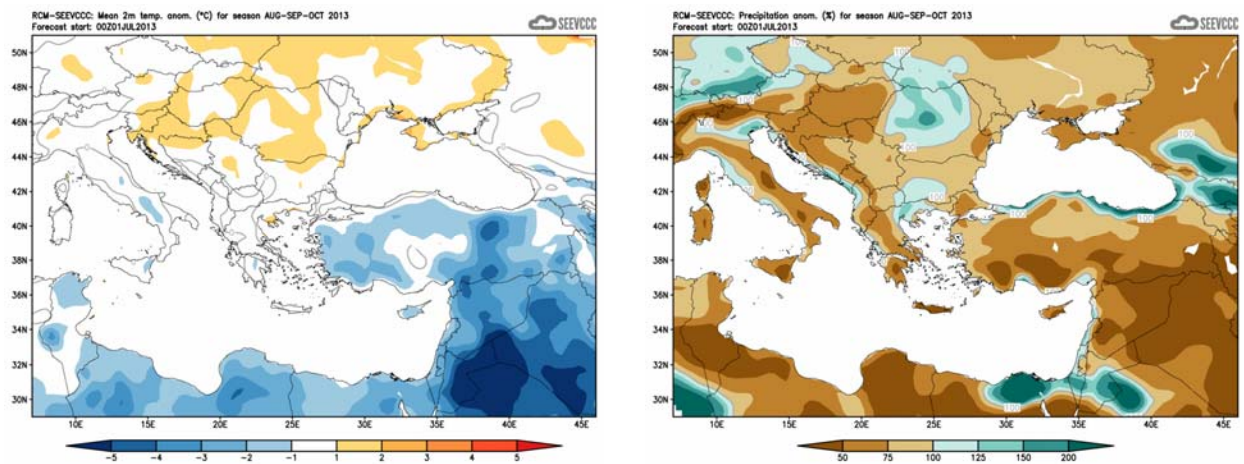


Figure 5. Mean seasonal temperature and precipitation anomaly for the season ASO (seasonal outlook for RCM – SEEVCCC)

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/>)