

Climate Watch (Serial No.: 20140728 – 00)

Initial/Updated/Final

Topic:		Warning:	0	No particular awareness
Organization issuing the statement:	SEEVCCC		1	Potentially dangerous
			2	Dangerous
Issued/ Amended / Cancelled	28-07-2014 12:00 P.M.		3	Very dangerous
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Valid from – to:	28-07 – 10-08-2014	Next amendment:	04-08-2014	
Region of concern: South-Eastern Europe				

„During the next week, precipitation surplus is expected in western Balkans and southwestern Turkey. Probability for exceeding upper tercile is around 90%.“

Monitoring

In the period from July 20th to 26th, 2014 above normal air temperature¹, with anomaly up to +5°C was registered in northern Croatia, eastern Bosnia and Herzegovina, most of Serbia and Romania, Moldova, eastern Bulgaria, northern and central Turkey and south Caucasus. Weekly precipitation sums, ranging from 10 up to 100 mm were registered in most part Balkans and northern Turkey. In northernmost part of Turkey precipitation totals reached 200 mm.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (July 28th to August 3rd, 2014), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly up to -2°C in most part of Balkans and south Caucasus. Above normal mean weekly temperature, with anomaly up to +2°C is expected in northern Romania, southeastern Greece, Moldova and most part of Turkey. Probability for exceeding lower/upper tercile is around 90%. Precipitation surplus is expected in western Balkans and southwestern Turkey. Probability for exceeding upper tercile is around 90%.

During the second week (August 4th to 10th, 2014), above normal mean weekly temperature, with anomaly up to +2°C is expected over Black and Aegean Sea with around 90% probability for exceeding upper tercile. Precipitation surplus is predicted for most part of the SEE region. Probability for exceeding upper tercile is around 60%.

In the period from July 28th to August 24th 2014, below normal mean monthly air temperature is expected in western Balkans, with anomaly up to -2°C. Above normal mean monthly air temperature, with anomaly around +2°C is forecast for Turkey and over Black and Aegean Sea. Probability for exceeding the lower/upper tercile is around 80%. Precipitation surplus is expected in western Balkans and southwestern Turkey. Probability for exceeding upper tercile is around 70%.

During the following three months (August, September and October) SEEVCCC seasonal forecast predicts above normal air temperature over north part of the Balkans, while below normal air temperature is expected over western, central and southern Turkey and South Caucasus. Precipitation deficit is expected in most part of the region. Precipitation surplus is expected over the Carpathians, South Caucasus and in northernmost of Turkey.

Update

An updated statement will be issued on 4-8-2014.

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

ANNEX

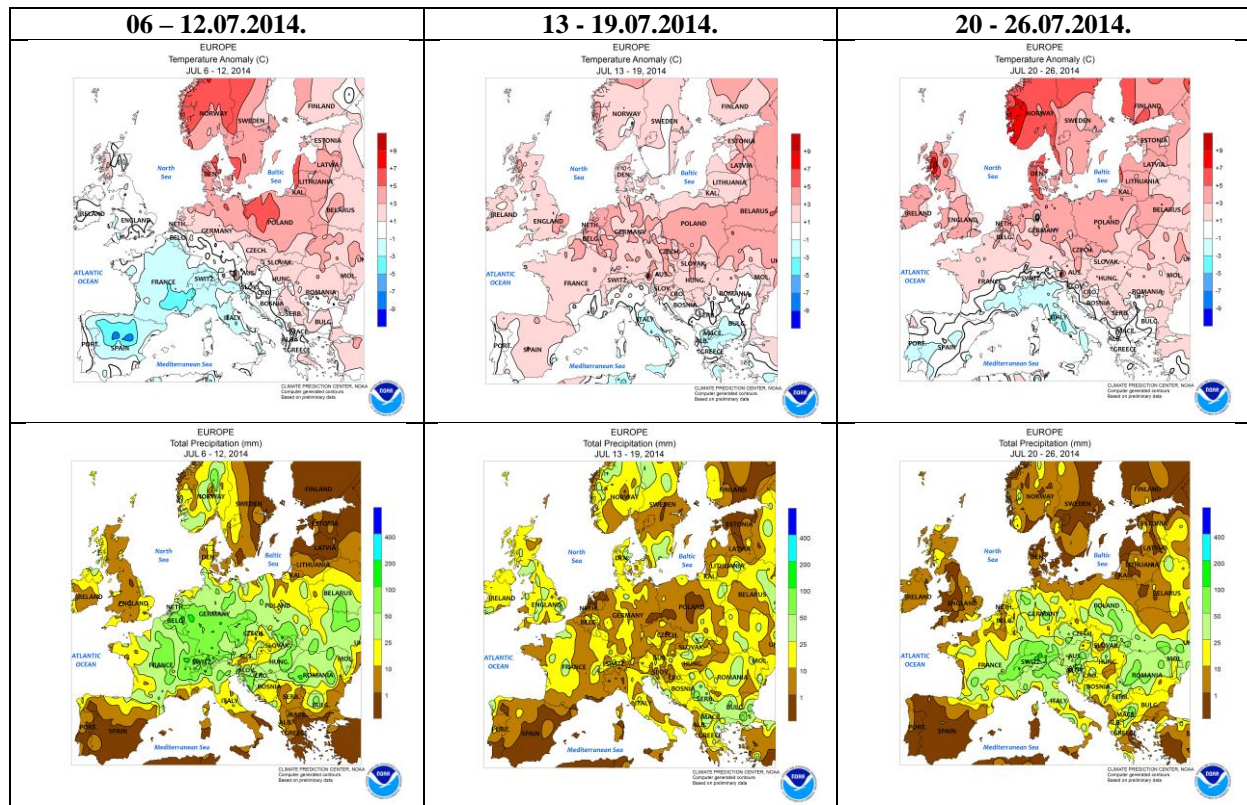


Figure1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

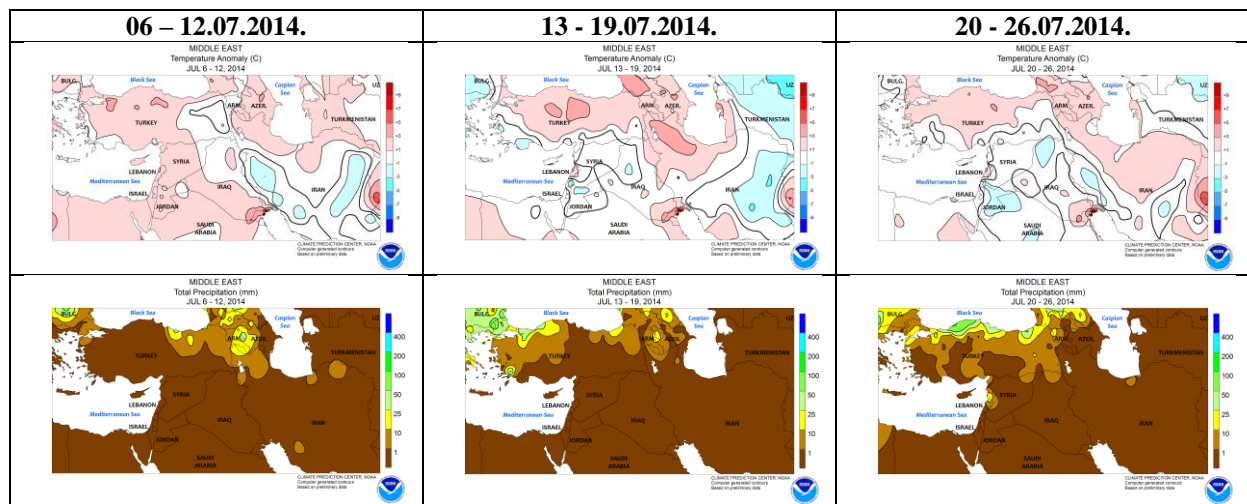


Figure2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

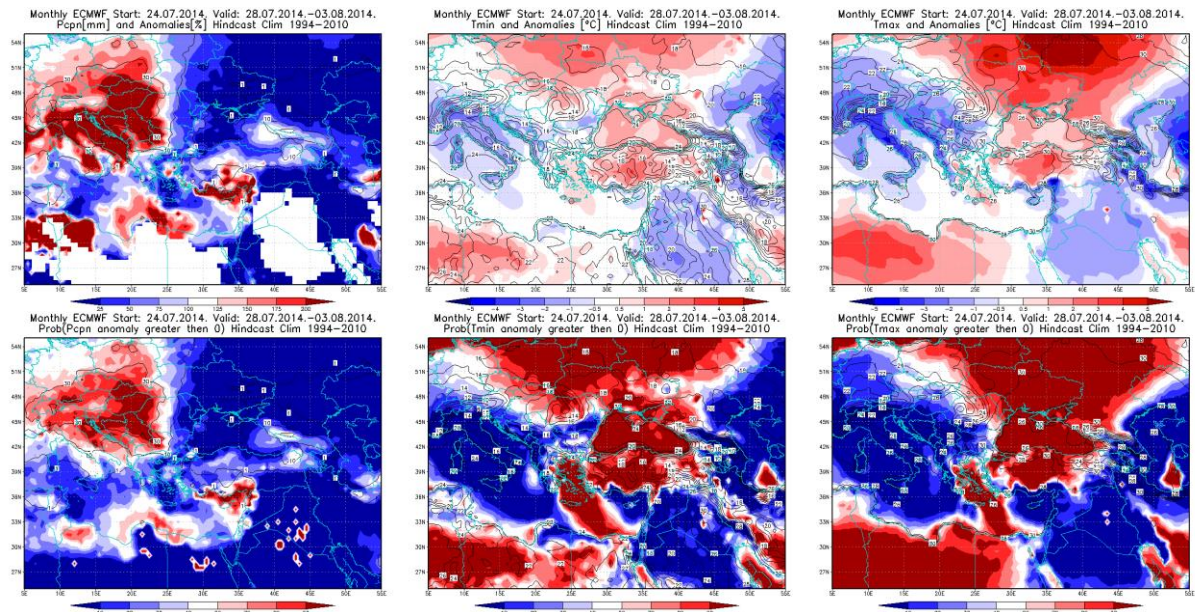


Figure3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 28.7 – 3.8.2014. period

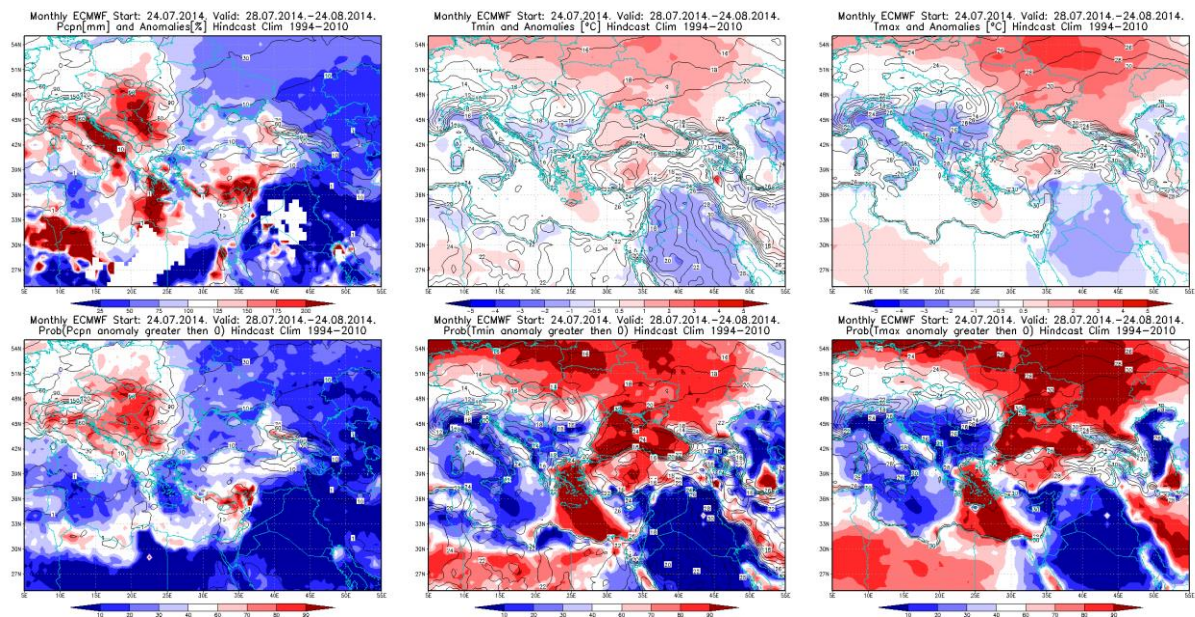


Figure4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 28.7 – 24.8.2014. period

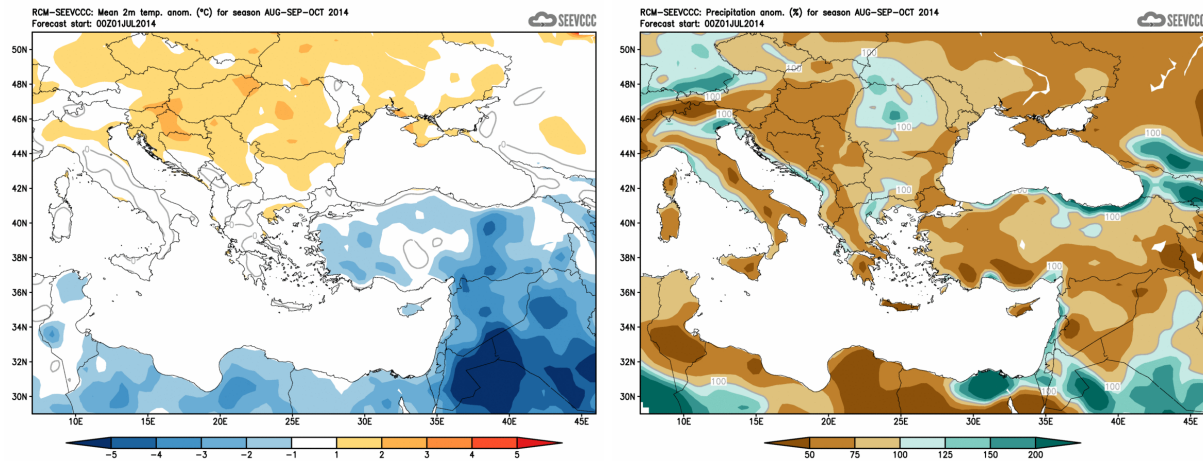


Figure5. Mean seasonal temperature and precipitation anomaly for the season ASO (seasonal outlook from RCM – SEEVCCC)

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/>)