

## Climate Watch (Serial No.: 20140721 – 00)

Initial/Updated/Final

Topic:		Warning:	0	No particular awareness
Organization issuing the statement:	SEEVCCC		1	Potentially dangerous
			2	Dangerous
Issued/ Amended / Cancelled	21-07-2014 12:00 P.M.		3	Very dangerous
Contact:	E-mail: <a href="mailto:cws-seevccc@hidmet.gov.rs">cws-seevccc@hidmet.gov.rs</a> Phone: +38112066925 Fax: +38112066929			
Valid from – to:	21-07 – 3-08-2014	Next amendment:	28-07-2014	

Region of concern: South-Eastern Europe

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

### Monitoring

In the period from July 13<sup>th</sup> to 19<sup>th</sup>, 2014 above normal air temperature<sup>1</sup>, with anomaly up to +3°C was registered in part of eastern Bosnia and Herzegovina, north part of Serbia and Croatia, east Bulgaria, west and north Romania, Turkey and south Caucasus, while in some part of central Turkey it reached +5°C. In part of north and south Greece, south FYR of Macedonia, east Albania and south Bulgaria air temperature anomaly up to -3°C was observed. Weekly precipitation sums ranging from 25 up to 50 mm were registered in most part of Serbia, Bulgaria and FYR of Macedonia, part of central and western Romania, north Greece and part of northwestern Turkey. Part of western Serbia and eastern Bulgaria received up to 100 mm of precipitation, while in rest of the SEE region below 25 mm of precipitation was observed.

<sup>1</sup> Reference climatological period is the 1981-2010 period

## **Outlook**

Within the first week (July 21<sup>st</sup> to 27<sup>th</sup>, 2014), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly up to -2°C in most part of Balkans and south Turkey. Above normal mean weekly temperature, with anomaly up to +2°C is expected in northwestern Romania and most part of Turkey. Probability for exceeding upper/ lower tercile is around 80%. Precipitation surplus is expected in Balkans and most part of Turkey. Probability for exceeding upper tercile is around 90%.

During the second week (July 28<sup>th</sup> to August 3<sup>rd</sup>, 2014), below normal mean weekly air temperature, with anomaly up to -2°C is predicted for most part of Balkans and southern and western Turkey, with up to 80% probability for exceeding the lower tercile. Above normal mean weekly temperature, with anomaly up to +2°C is expected in central and eastern part of Turkey and with 70% probability. Precipitation surplus is predicted for most part of Balkans and south and central Turkey. Probability for exceeding upper tercile is around 60%.

In the period from July 21<sup>th</sup> to August 17<sup>th</sup> 2014, below normal mean monthly air temperature is expected in Balkans and part of south Turkey, with anomaly up to -2°C and with around 80% probability for exceeding the lower tercile. Precipitation surplus is expected across entire Balkans and south and eastern Turkey. Probability for exceeding upper tercile is around 80%.

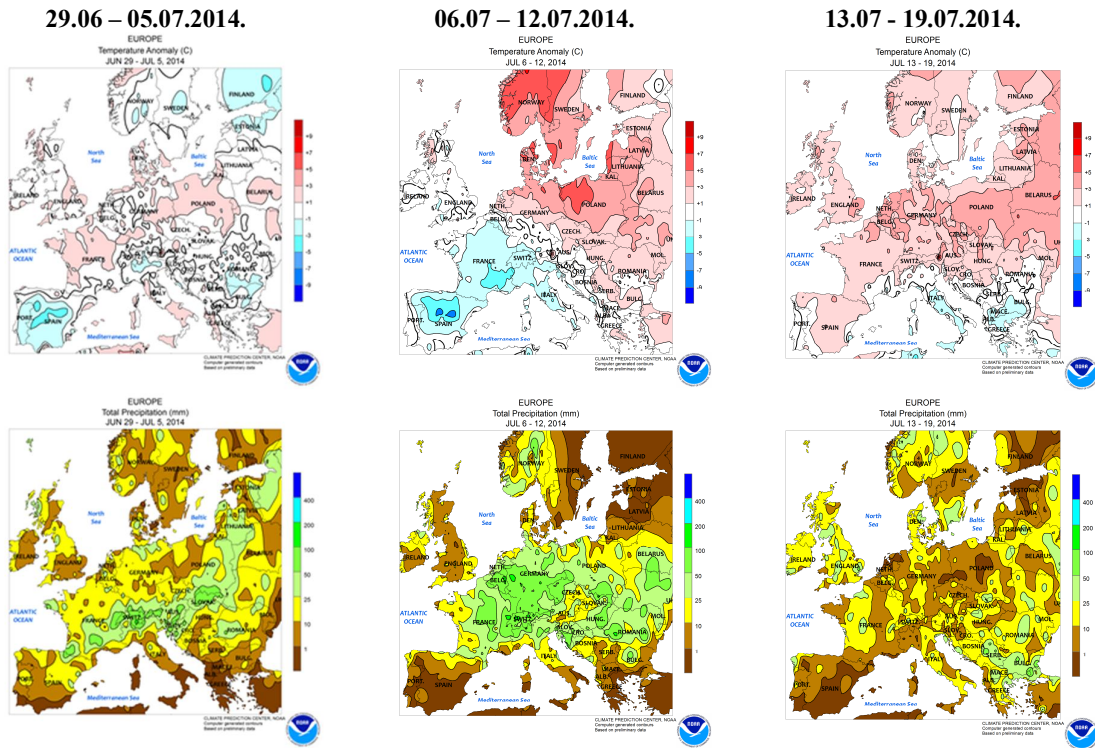
During the following three months (August, September and October) SEEVCCC seasonal forecast predicts above normal air temperature over north part of the Balkans, while below normal air temperature is expected over western, central and southern Turkey and South Caucasus. Precipitation deficit is expected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

## **Update**

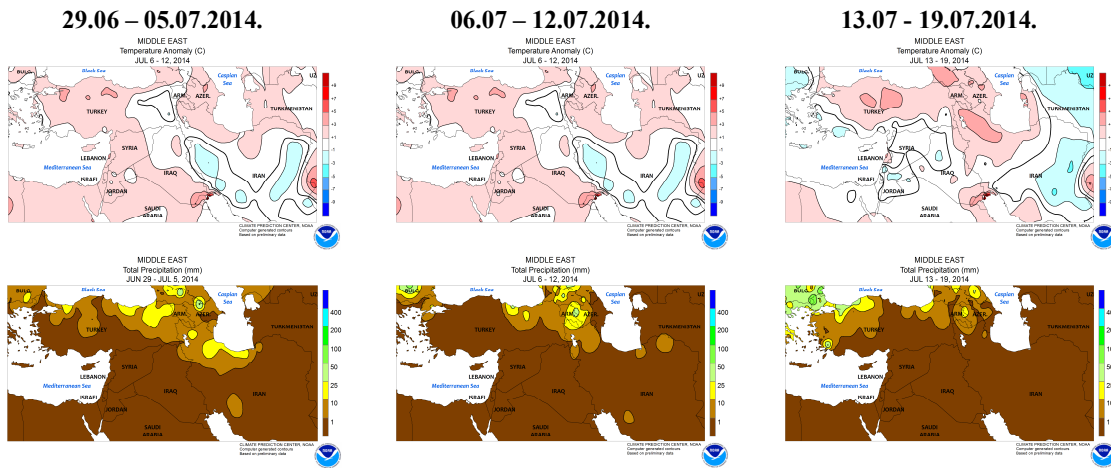
An updated statement will be issued on 28-7-2014.

For further information please contact [cws-seevccc@hidmet.gov.rs](mailto:cws-seevccc@hidmet.gov.rs)

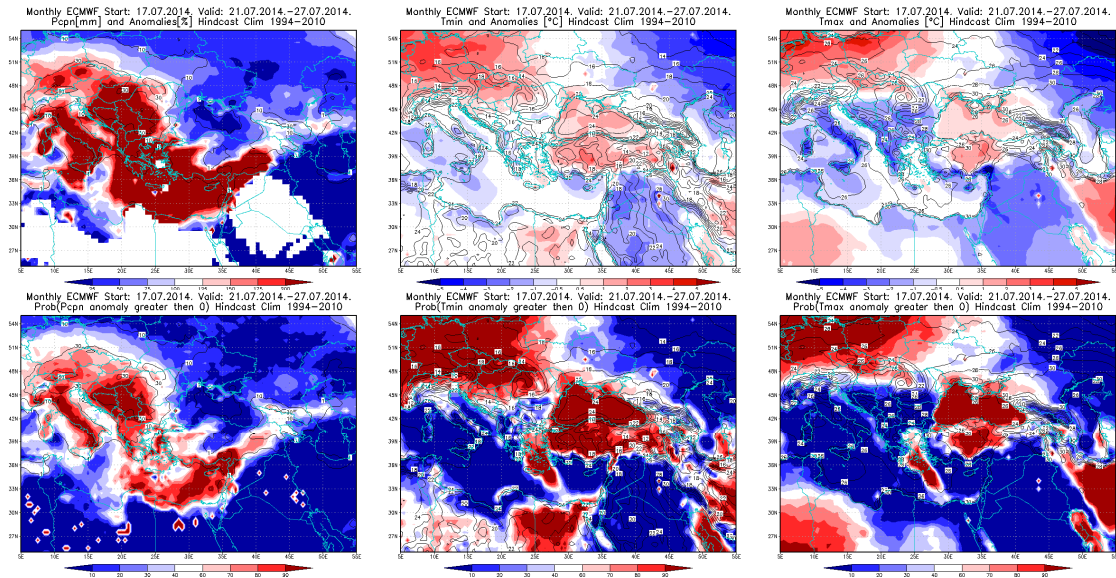
# ANNEX



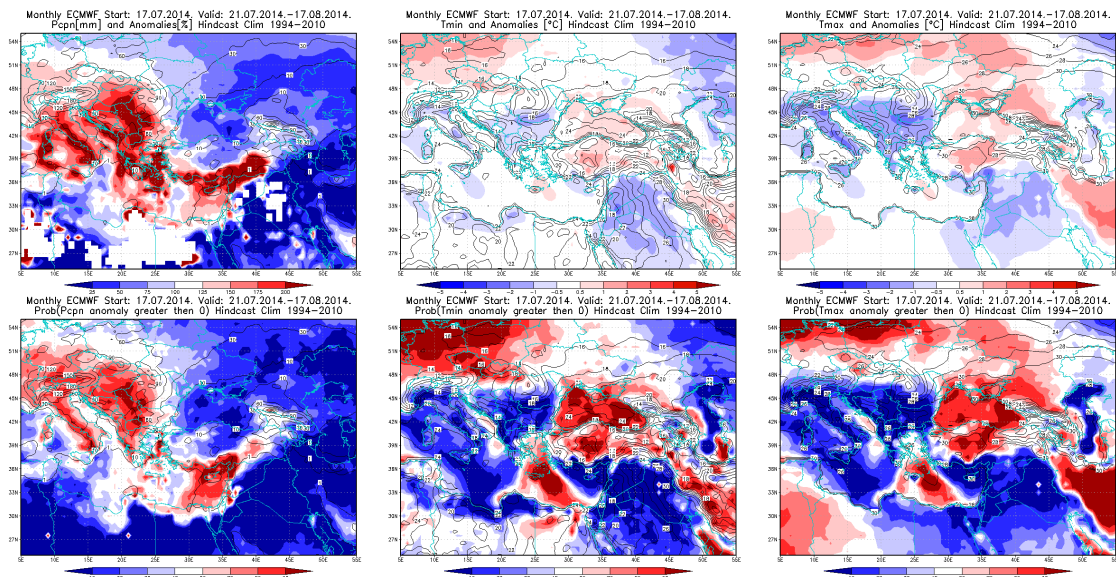
**Figure1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



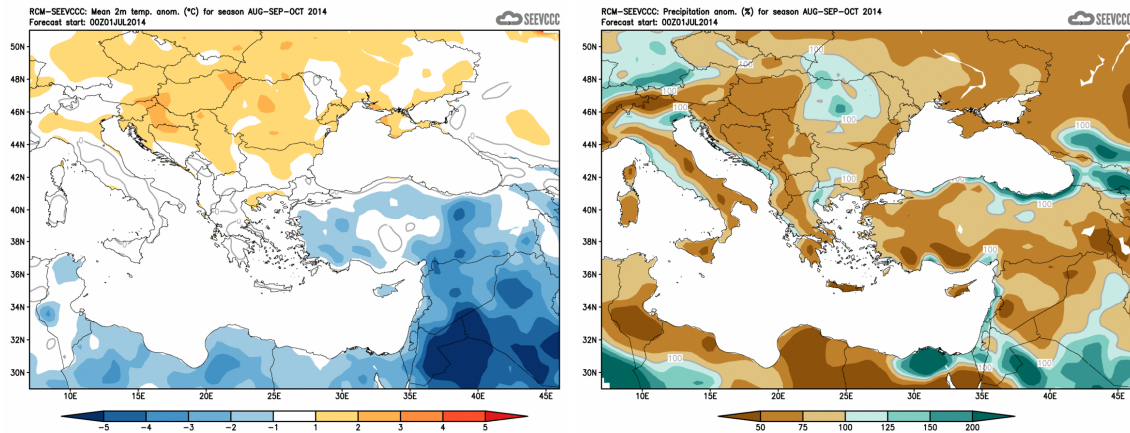
**Figure2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



**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 21 – 27.7.2014. 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 21.7 – 17.8.2014. period



**Figure 5.** 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](http://www.hidmet.gov.rs))
- South East European Virtual Climate Change Center ([www.seevccc.rs](http://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/>)