

Climate Watch (Serial No.: 20160808– 00)

Initial/Updated/Final

Topic: **precipitation, temperature**

Organization issuing the statement: SEEVCCC

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Valid from – to: 8-8-2016– 21-8-2016 Next amendment: 15-8-2016

Region of concern: **Balkans, Turkey, south Caucasus**

„In the period from August 8th to 14th 2016, above normal mean weekly air temperature, with anomaly up to +3°C, is predicted for most of Turkey, southern Balkans and south Caucasus. Below normal mean weekly air temperature, with anomaly up to -3°C, is expected in western Balkans. Probability for exceeding upper/lower tercile is up to 90%. Precipitation surplus is expected in western part of the Balkans with up to 60% probability for exceeding upper tercile. Deficit of precipitation with around 80% probability is predicted for the south Caucasus.”

Monitoring

In the period from July 31st to August 6th 2016, above normal air temperature¹ was registered in most of the SEE region with anomaly up to +5°C. Below normal air temperature was observed in eastern Turkey with anomaly up to -3°C. Weekly precipitation sums were below 25 mm in most of the SEE region, while some parts of Romania and northwestern Balkans, northern Turkey and south Caucasus received up to 100 mm of rain.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (August 8th to 14th, 2016), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +3°C, in most of Turkey, southern Balkans and south Caucasus. Below normal mean weekly air temperature, with anomaly up to -3°C, is expected in western Balkans. Probability for exceeding upper/lower tercile is up to 90%. Precipitation surplus is expected in western part of the Balkans with up to 60% probability for exceeding upper tercile. Deficit of precipitation with around 80% probability is predicted for the south Caucasus.

During the second week (August 15th to 21st, 2016), above normal mean weekly air temperature is expected in most of Turkey and south Caucasus, with anomaly up to +3°C, while below normal mean weekly air temperature is predicted in most of the Balkans. Probability for exceeding upper/lower is up to 70%. Precipitation surplus is expected in some parts of Turkey, while deficit is predicted for most of the Balkans. Probability for exceeding upper/lower tercile is up to 60%.

In the period from August 8th to September 4th 2016, above normal mean monthly air temperature is predicted in most of Turkey, with anomaly up to +2°C. Probability for exceeding upper tercile is around 70%. Precipitation surplus is expected in some parts of southern Turkey, while deficit is predicted for most part of the Balkans and south Caucasus. Probability for exceeding upper/lower tercile is up to 60%.

During the following three months (August, September and October) SEEVCCC seasonal forecast predicts above normal seasonal air temperature in the western and northern Balkans, Romania, and most part of Ukraine. Below normal seasonal air temperature is predicted in Cyprus, most of Turkey, as well as south Caucasus, Jordan and Israel. Precipitation deficit is expected over most part of the SEE region, while precipitation surplus is predicted over Carpathian Mountains, Israel, northernmost part of Turkey, and along southern Adriatic coast.

Update

An updated statement will be issued on 15-8-2016

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

ANNEX

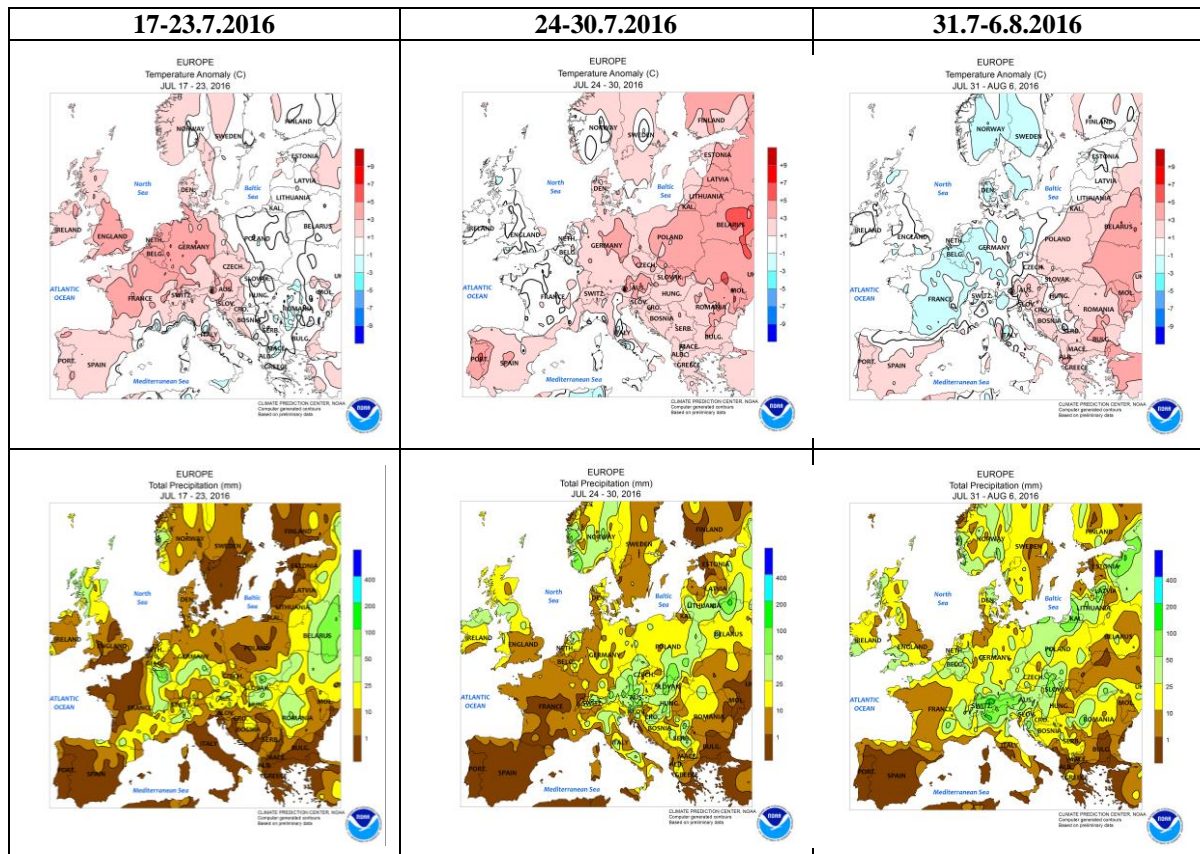


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

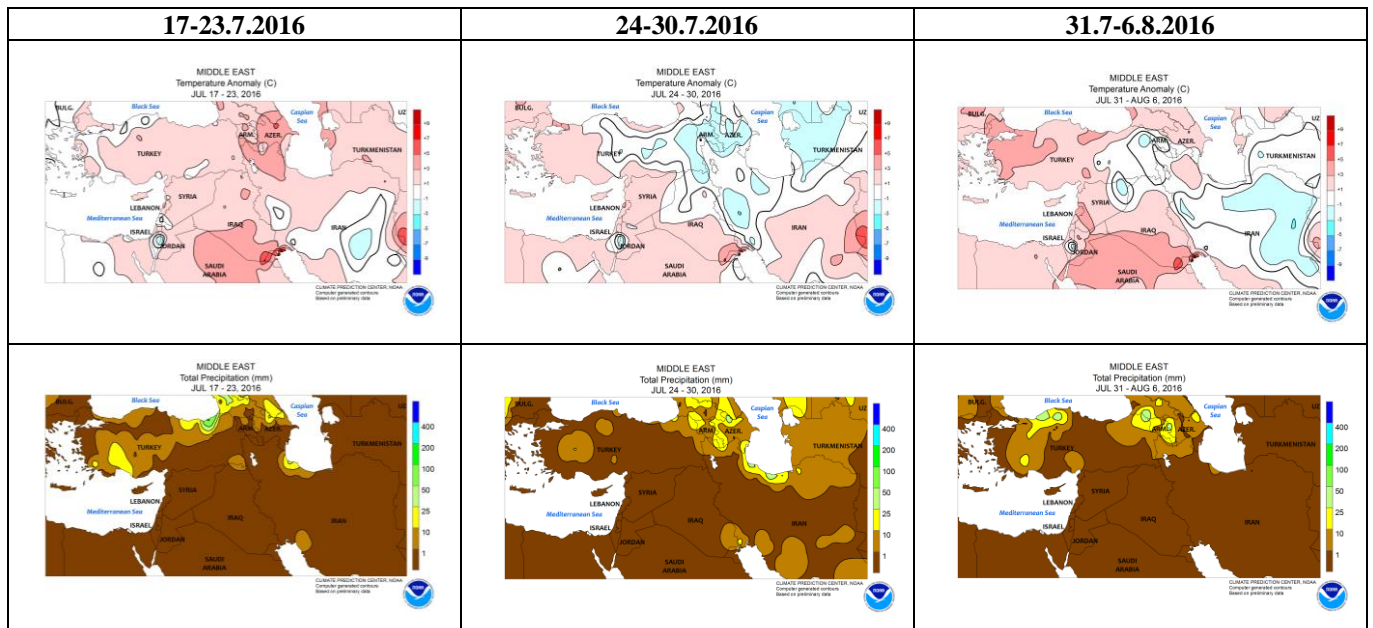


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

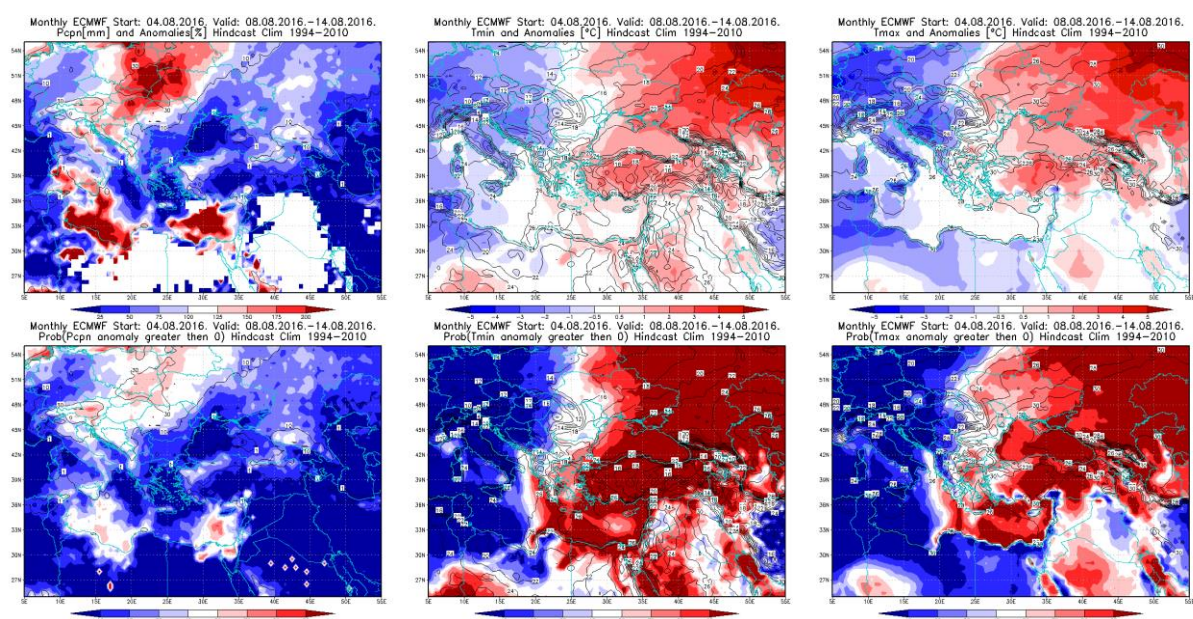


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation 8.8–14.8.2016 period

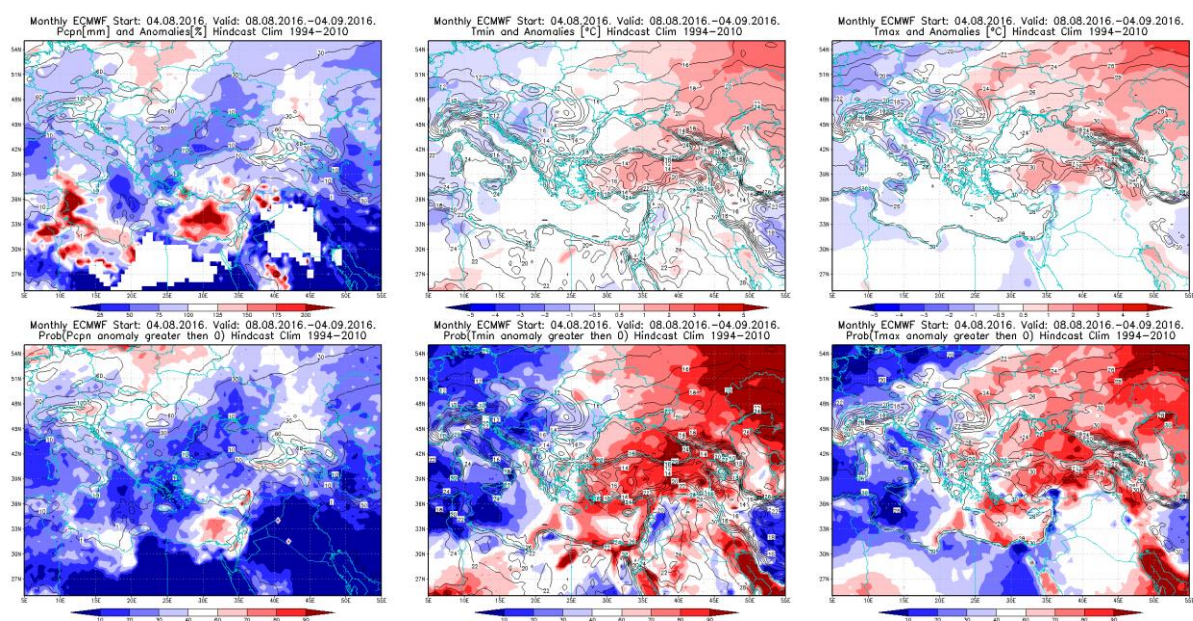


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 8.8– 4.9.2016 period

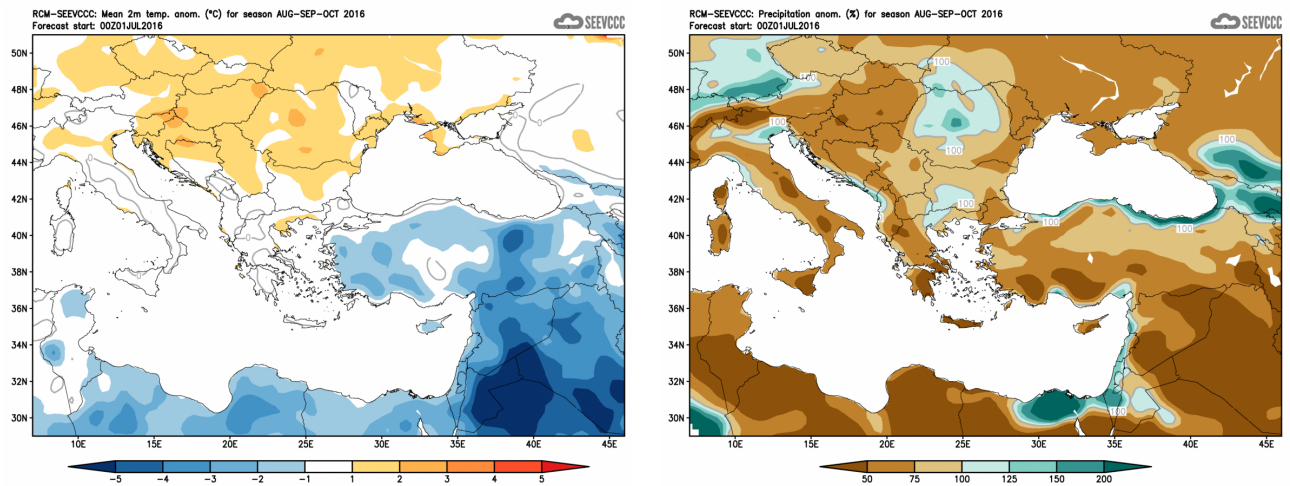


Figure5.Mean seasonal temperature and precipitation anomaly for the season ASO (seasonal outlook from RCM – SEEVCCC)

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/>)