Climate Watch (Serial No.: 20160801– 00)

Initial/Updated/Final

Topic: **precipitation**
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 1-8-2016 12:00 P.M.

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Valid from – to: 1-8-2016– 14-8-2016 Next amendment: 8-8-2016

Region of concern: **Balkans, Turkey**

„In the period from August 1st to 7th 2016, precipitation surplus is expected in northern and western part of the Balkans as well as eastern Turkey with around 80% probability for exceeding upper tercile."

Monitoring

In the period from July 24th to 30th 2016, above normal air temperature[1] was registered in the Balkans and western Turkey with anomaly mostly up to +3°C, in northeastern part of Romania and Moldova anomaly reached up to +5°C. Below normal air temperature was observed in eastern Turkey and South Caucasus with anomaly up to -3°C. Weekly precipitation sums were below 25 mm in most of the SEE region, while parts of the central Balkans received up to 100 mm of rain.

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

Outlook

Within the first week (August 1st to 7th, 2016), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +3°C, in most of Turkey and southern Balkans. Below normal mean weekly air temperature, with anomaly up to -2°C, is expected in the Pannonian Plain and south Caucasus. Probability for exceeding upper/lower tercile is up to 80%. Precipitation surplus is expected in northern and western part of the Balkans and eastern Turkey with around 80% probability for exceeding upper tercile.

During the second week (August 8th to 14th, 2016), above normal mean weekly air temperature is expected in most of Turkey, with anomaly up to +3°C, while average temperature is predicted in the remainder of the region. Probability for exceeding upper is around 80%. Precipitation surplus is expected in the southern Balkans and most part of Turkey. Probability for exceeding upper tercile is around 60%.

In the period from August 1st to 28th 2016, above normal mean monthly air temperature is predicted in southern and eastern parts of the Balkans and most part of Turkey, with anomaly up to +2°C. Probability for exceeding upper tercile is around 80%. Precipitation surplus is expected in the Pannonian Plain and most part of Turkey, with up to 80% probability for exceeding upper tercile.

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 8-8-2016

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

ANNEX

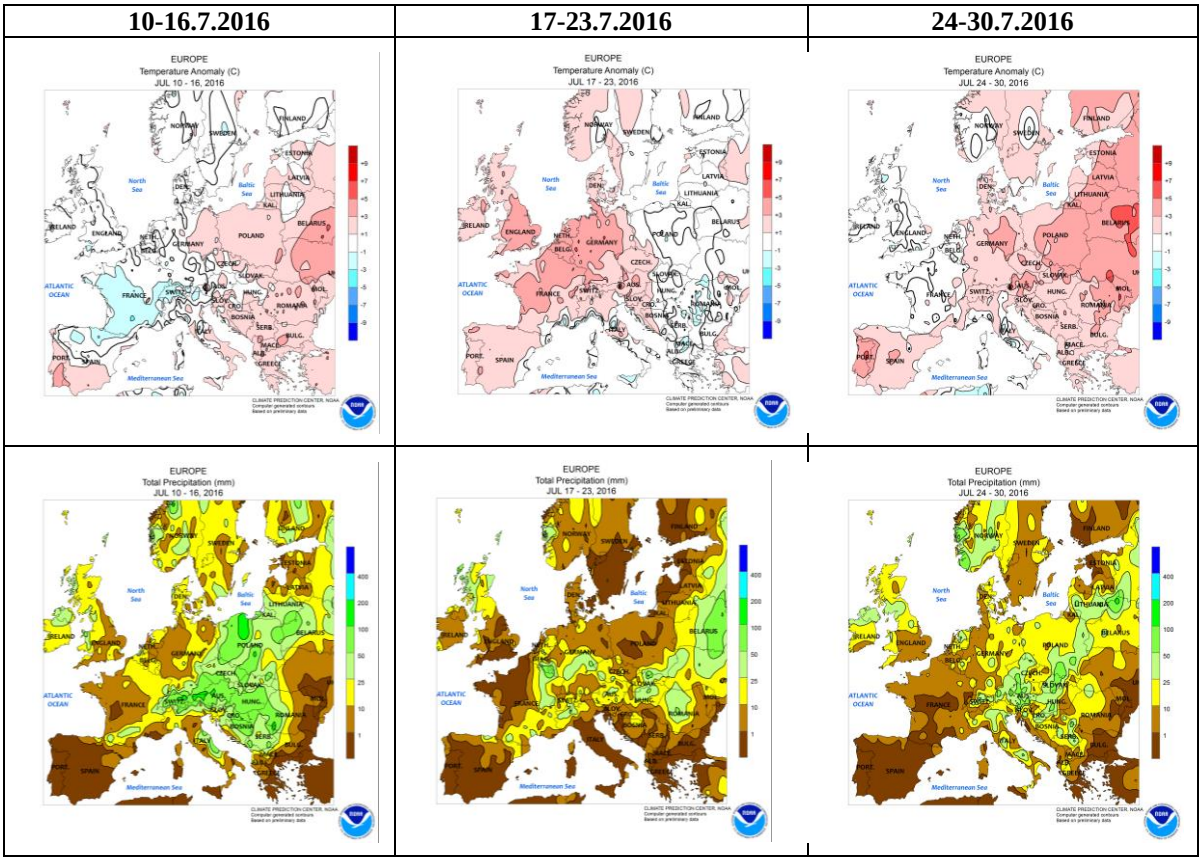

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

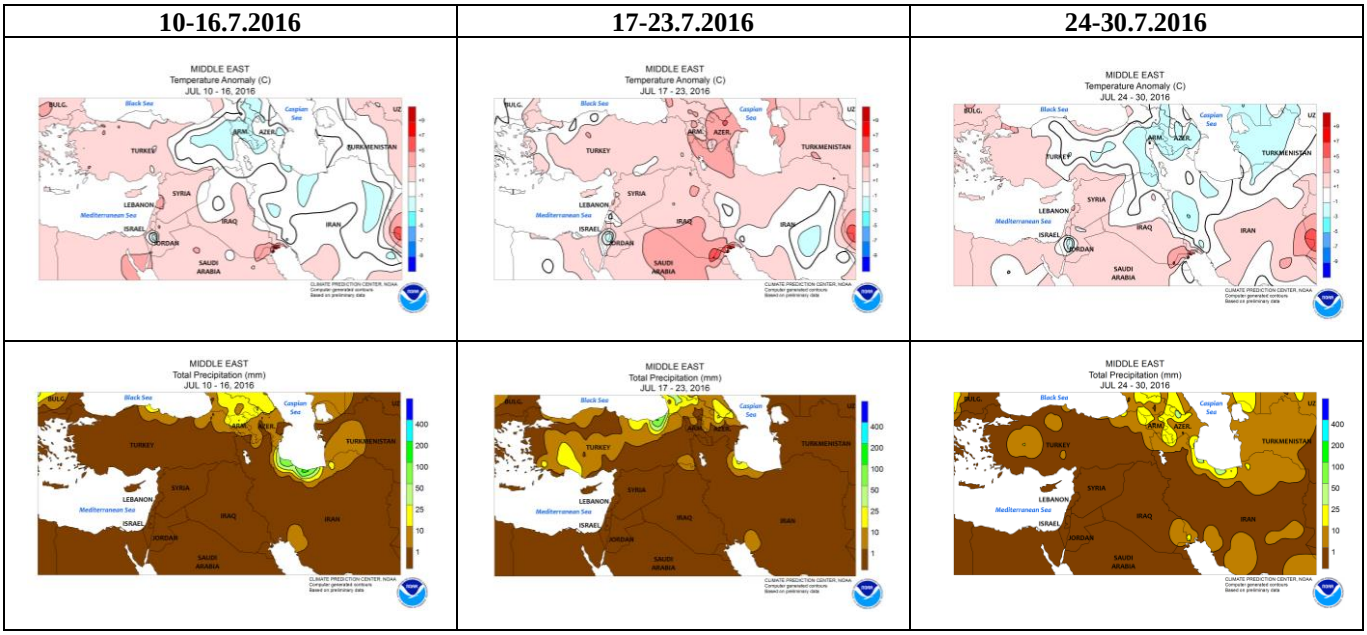

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

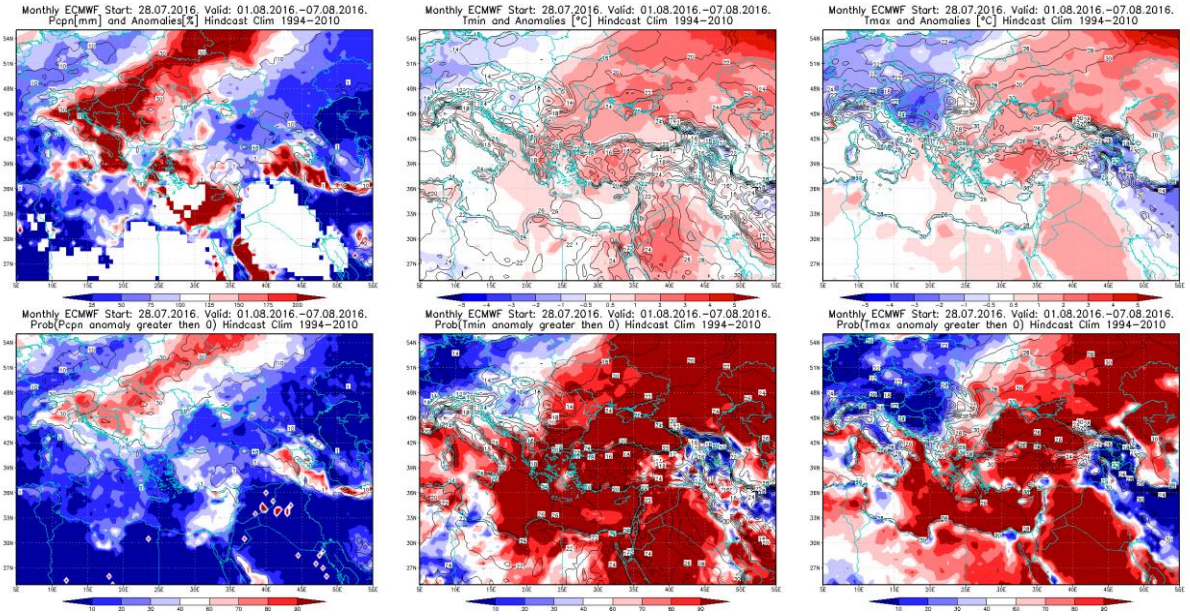

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation 1.8–7.8.2016 period

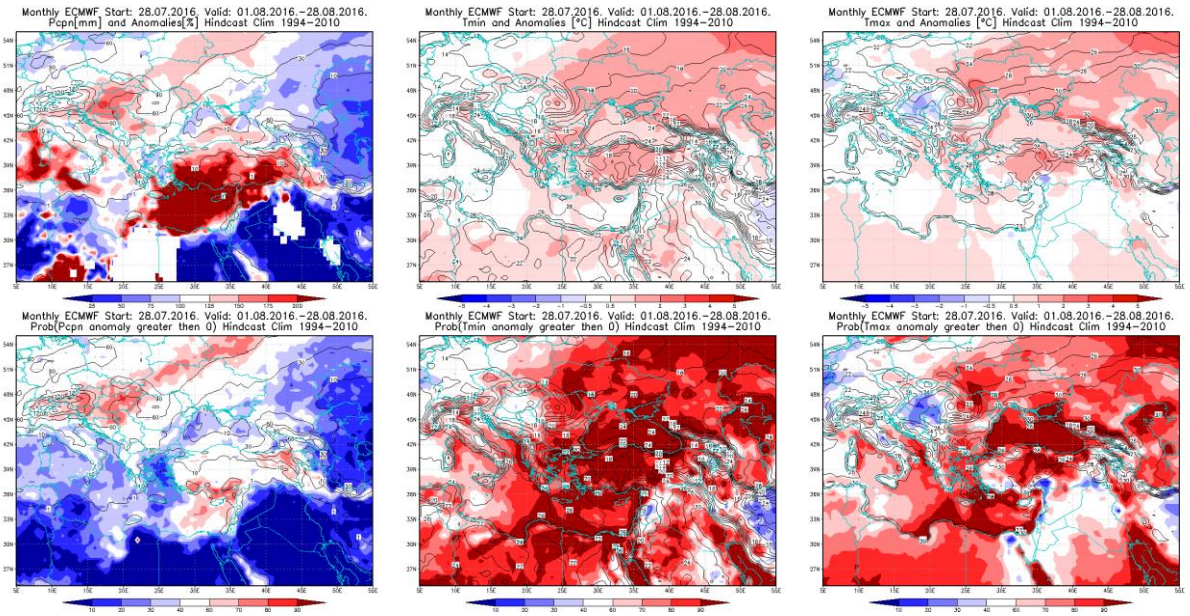

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 1.8– 28.8.2016 period

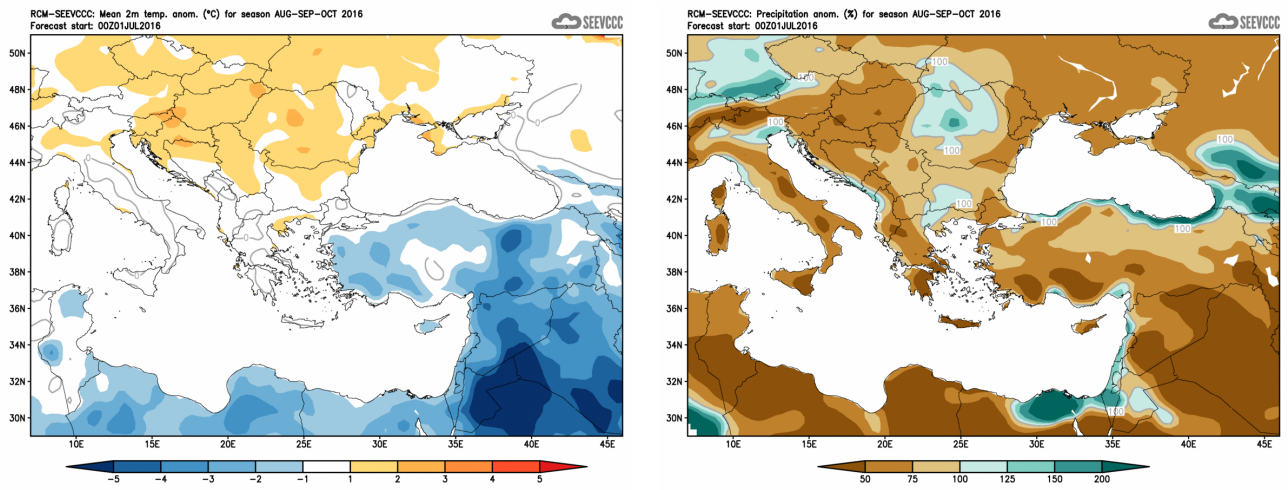

Figure5. Mean seasonal temperature and precipitation anomaly for the season ASO (seasonal outlook from RCM – SEEVCCC)

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/)