Climate Watch (Serial No.: 20170703– 00)

Initial/Updated/Final

Topic: **temperature** and **precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 3-7-2017 12:00 P.M.

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Valid from – to: 3-7-2017– 30-7-2017 Next amendment: 10-7-2017

Region of concern: **SEE region**

„In the period from July 3rd to 30th 2017, above normal mean monthly air temperature, with anomaly ranging from +2°C up to +5°C, is forecasted for the entire SEE region, with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for most of the region, with around 80% probability for exceeding lower tercile. Precipitation surplus is forecasted for part of the southern Romania and northern Bulgaria, with up to 60% probability for exceeding upper tercile."

Monitoring

In the period from June 25th to July 1st, 2017, above normal air temperature, with anomaly up to +7°C, was observed in most of the central Balkans and western Turkey. Weekly precipitation sums were below 10 mm in the most of the region, except in some parts of Bulgaria and Moldova where up to 50 mm of precipitation was observed.

Outlook

Within the first week (July 3rd to 9th 2017), ECMWF monthly forecast predicts below normal mean weekly air temperature in western part of Serbia, Montenegro and in the eastern Balkans, with anomaly around -2°C. Probability for exceeding lower tercile is around 80%. Above normal mean weekly air temperature, with anomaly up to +5°C, is forecasted for Turkey and South Caucasus. Probability for exceeding upper tercile is around 90%. Precipitation surplus is expected in the eastern Balkans, with up to 80% probability for exceeding upper tercile.

During the second week (10th to 16th July 2017), above normal mean weekly air temperature, with anomaly up to +3°C, is forecasted for most of the region. Probability for exceeding upper tercile is around 80%. Precipitation deficit is predicted for most of the region, with 70% probability for exceeding lower tercile.

In the period from July 3rd to 30th 2017, above normal mean monthly air temperature, with anomaly ranging from +2°C up to +5°C, is forecasted for the entire SEE region, with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for most of the region, with around 80% probability for exceeding lower tercile. Precipitation surplus is forecasted for part of the southern Romania and northern Bulgaria, with up to 60% probability for exceeding upper tercile.

During the following three months (July, August and September) seasonal forecast predicts above normal seasonal air temperature in most of the Balkans and western Ukraine. Below normal seasonal air temperature is expected in most of Turkey, south Caucasus, Cyprus and Middle East. Precipitation surplus is predicted for the Carpathians, South Caucasus, northeastern Turkey and Middle East, while precipitation deficit is expected over the Pannonia plain, along Adriatic Sea coast, Aegean Sea, eastern Balkans, Ukraine, Cyprus, as well as western, northwestern and southern Turkey.

Update

An updated statement will be issued on 10-7-2017

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

ANNEX

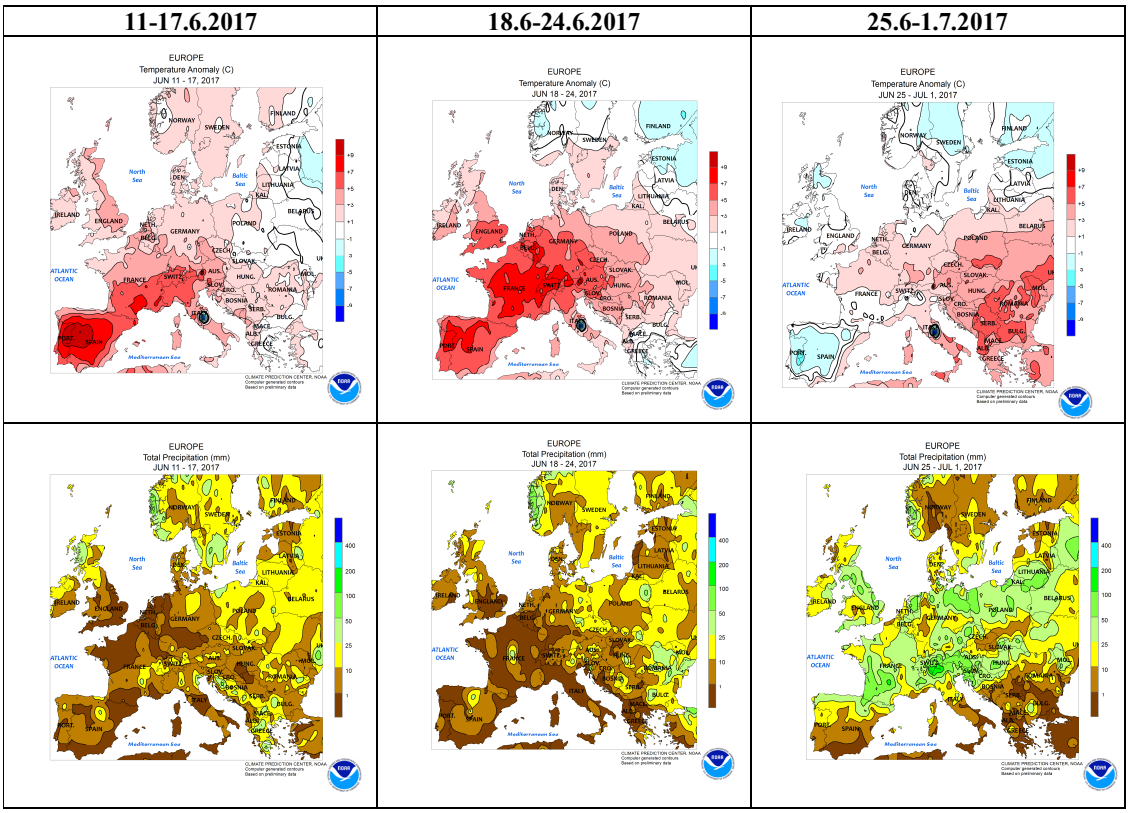

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

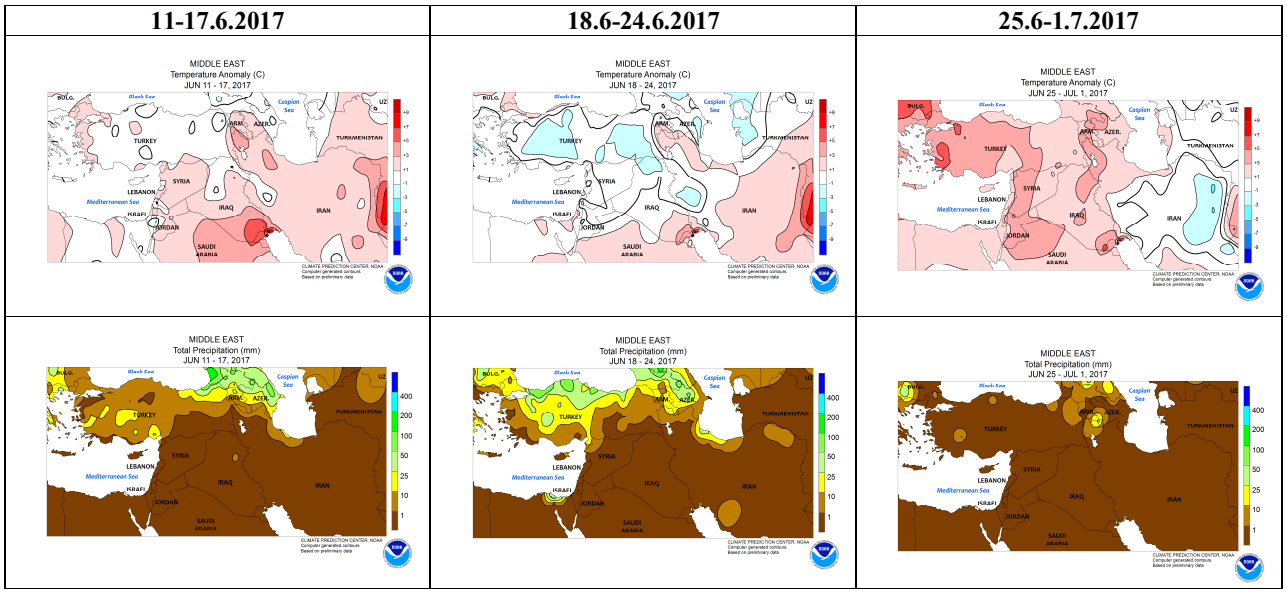

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

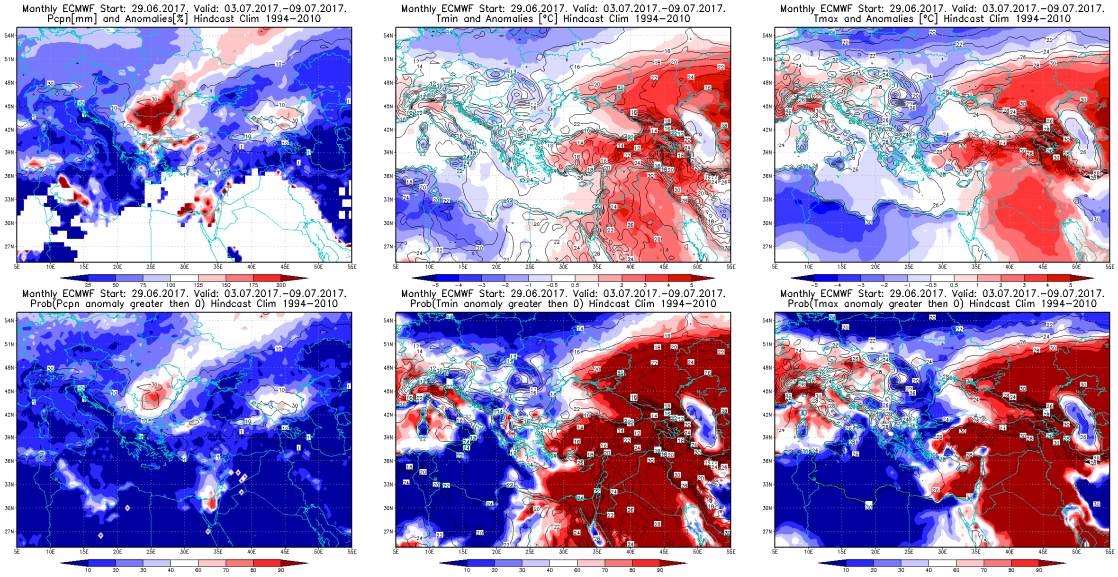

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 3.7 – 9.7.2017 period

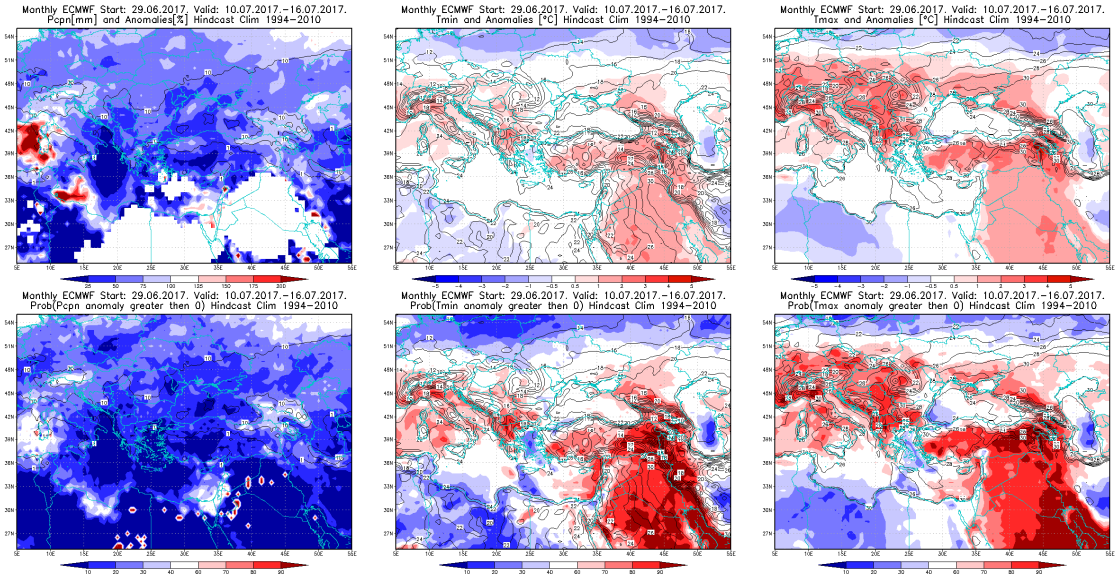

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 10.7 – 16.7.2017 period

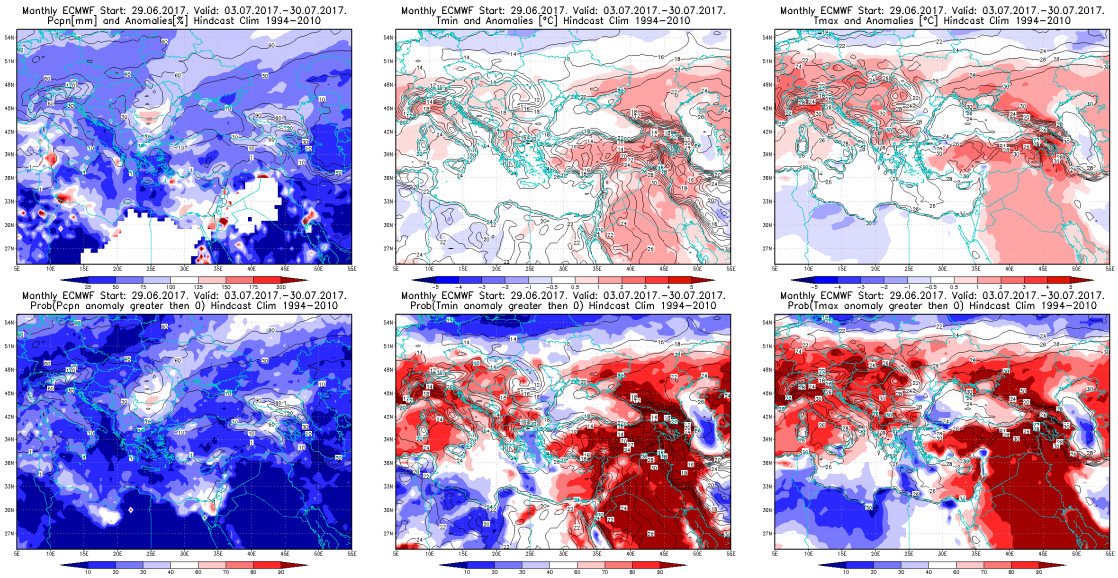

Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 3.7 – 30.7.2017 period

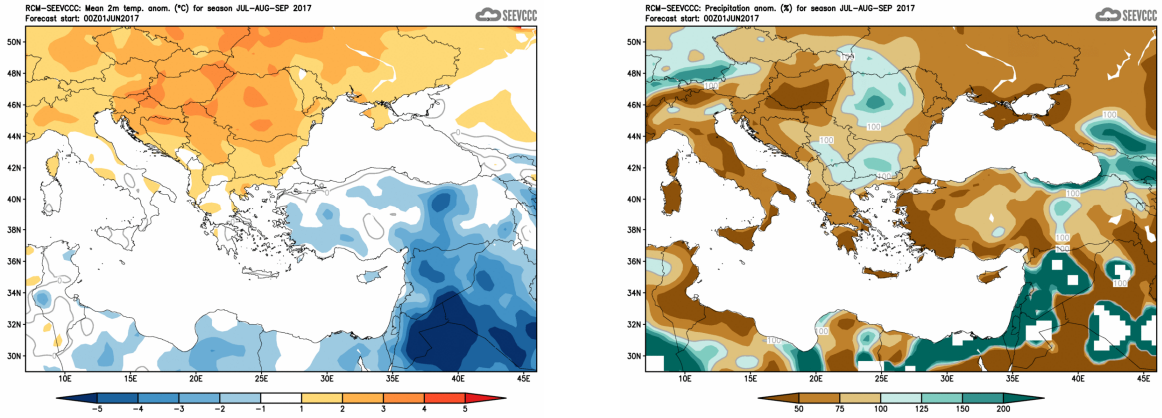

Figure 6. Mean seasonal temperature and precipitation anomaly for the season JAS (seasonal outlook from RCM – SEEVCCC)

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/)