Climate Watch (Serial No.: 20170612– 00)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 12-6-2017 12:00 P.M.

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Valid from – to: 12-6-2017– 9-7-2017 Next amendment: 19-6-2017

Region of concern: **SEE region**

„Within the first week (June 12th to 18th 2017), ECMWF monthly forecast predicts above normal mean weekly air temperature in the northern and western Balkans, eastern Turkey, Armenia and Azerbaijan, with anomaly reaching up to +4°C. Below normal mean weekly air temperature is expected in the eastern and southern Balkans, Cyprus, most of Turkey, eastern and southern Ukraine, Middle East and Georgia, with anomaly up to -3°C. Probability for exceeding upper/lower tercile is up to 90%. Precipitation surplus is expected in southern Greece, Cyprus, southern Turkey, Georgia and Middle East, with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for most of the Balkans and western Ukraine, with around 70% probability for exceeding lower tercile."

Monitoring

In the period from June 4th to 10th, 2017, above normal air temperature,with anomaly up to +5°C, was observed in most parts of the SEE region, in Armenia reaching up to +7°C. Weekly precipitation sums were below 50 mm in the entire region, except in some parts of the Carpathians, where up to 100 mm of precipitation was observed.

Outlook

Within the first week (June 12th to 18th 2017), ECMWF monthly forecast predicts above normal mean weekly air temperature in the northern and western Balkans, eastern Turkey, Armenia and Azerbaijan, with anomaly reaching up to +4°C. Below normal mean weekly air temperature is expected in the eastern and southern Balkans, Cyprus, most of Turkey, eastern and southern Ukraine, Middle East and Georgia, with anomaly up to -3°C. Probability for exceeding upper/lower tercile is up to 90%. Precipitation surplus is expected in southern Greece, Cyprus, southern Turkey, Georgia and Middle East, with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for most of the Balkans and western Ukraine, with around 70% probability for exceeding lower tercile.

During the second week (June 19th to 25th 2017), above normal mean weekly air temperature, with anomaly up to +3°C, is expected in the northern and western Balkans and easternmost Turkey, with up to 80% probability for exceeding upper tercile. Below normal mean weekly air temperature is forecasted in the eastern and southern Balkans, Cyprus, most of Turkey, eastern and southern Ukraine, Middle East and Georgia, with anomaly up to -2°C. Probability for exceeding lower tercile is a range from 60% up to 80% in southern Turkey. Precipitation surplus is forecasted for the southern and eastern Balkans, Cyprus, most of Turkey, eastern and southern Ukraine. Precipitation deficit is predicted for the northern Balkans and southeastern Turkey. Probability for exceeding upper/lower tercile is around 60%.

In the period from June 12th to July 9th 2017, above normal mean monthly air temperature, with anomaly up to +3°C, is forecasted for the northern, western and some central parts of Balkans, central and eastern Turkey, eastern and southern Ukraine, as well as some parts of Armenia and Azerbaijan, with up to 80% probability for exceeding upper tercile. Below normal mean weekly air temperature is expected in the eastern Balkans, Cyprus, most of coastal Turkey and some parts of eastern and southern Ukraine. Probability for exceeding lower tercile is around 60%. Precipitation surplus is forecasted for southern Greece, Cyprus and southern Turkey, with up to 80% probability for exceeding upper tercile, while deficit is predicted for the northern Balkans and southeastern Turkey, with around 60% probability for exceeding lower tercile.

During the following three months (June, July and August) seasonal forecast predicts above normal seasonal air temperature in most of the Balkans and western Ukraine. Below normal seasonal air temperature is expected in some parts of eastern Turkey, south Caucasus 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, southern and central Ukraine, Cyprus, as well as western and southern Turkey.

Update

An updated statement will be issued on 19-6-2017

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

ANNEX

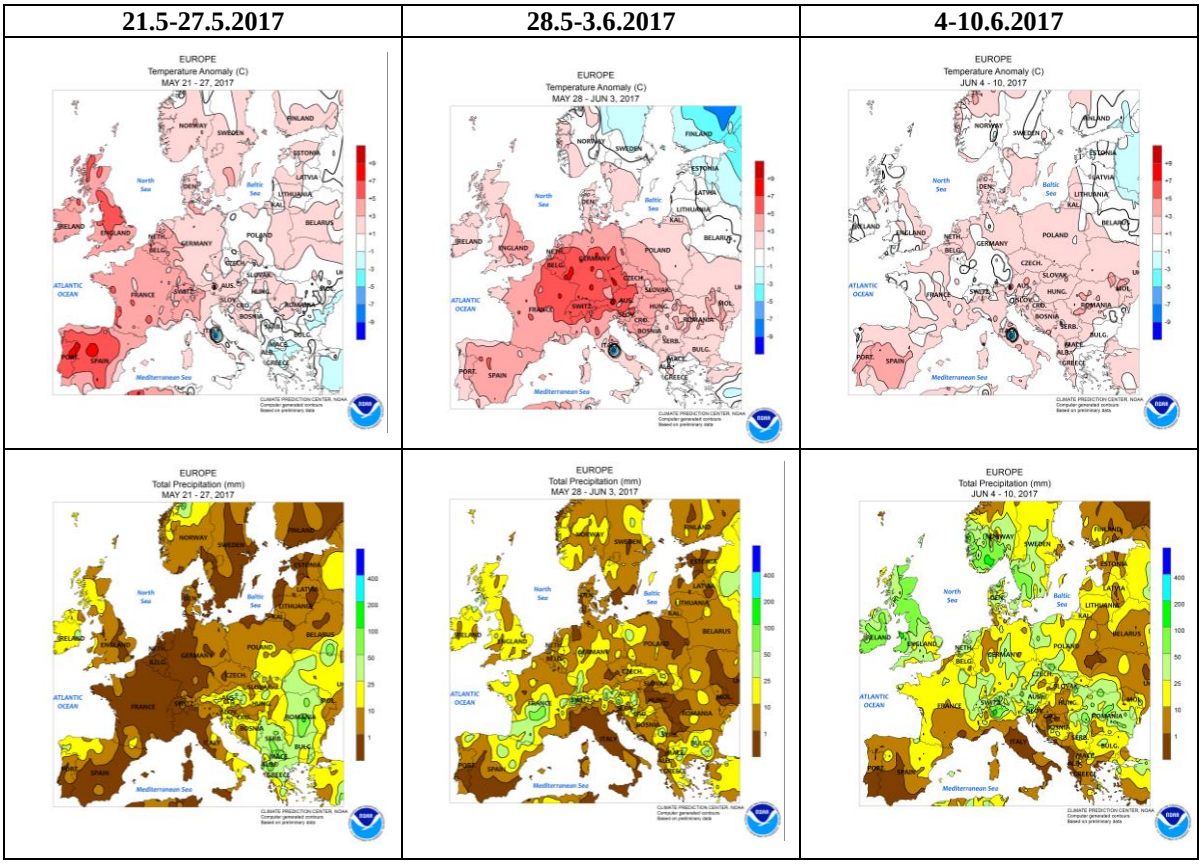

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

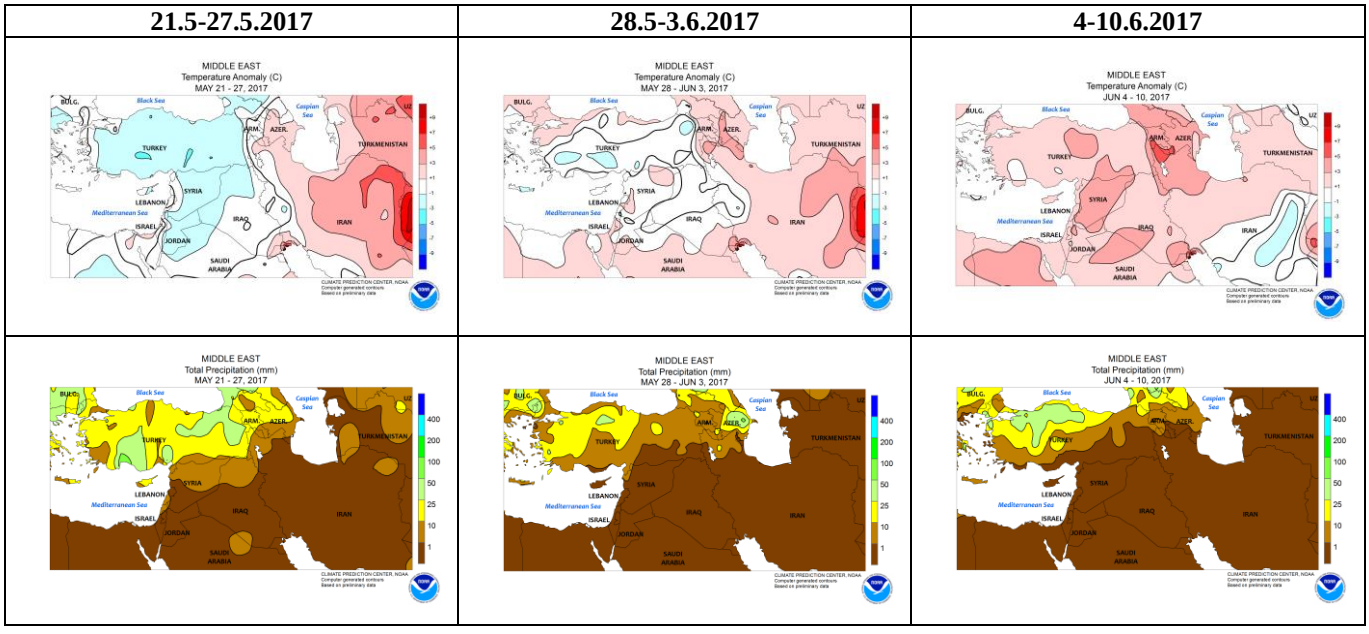

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

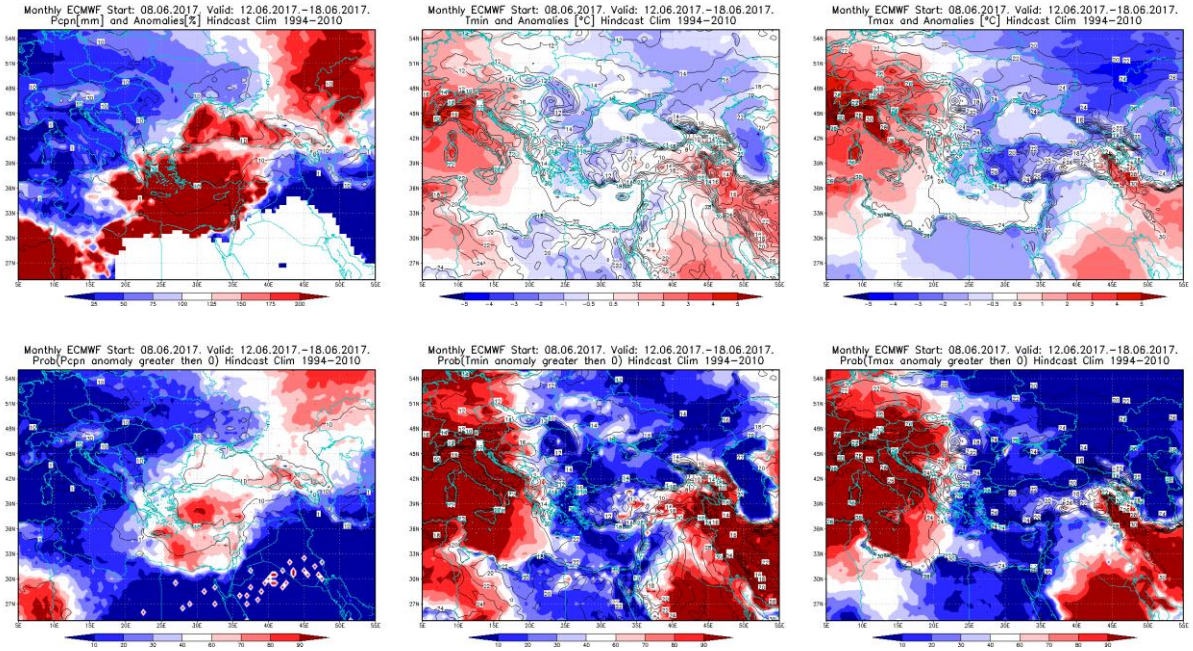

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 12 – 18.6.2017 period

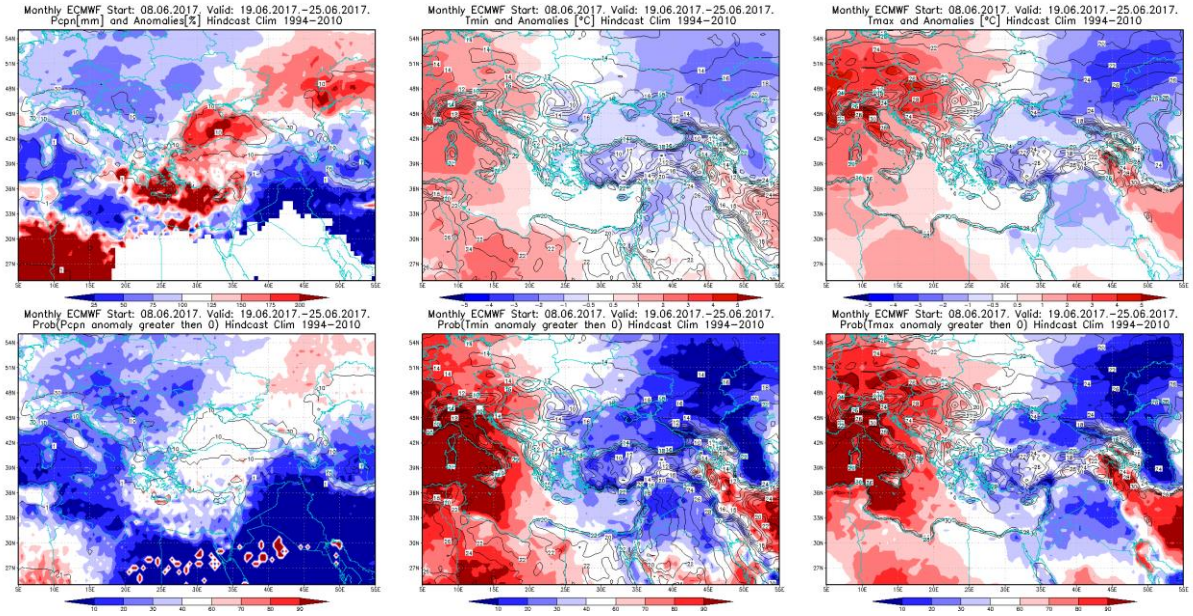

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 19 – 25.6.2017 period

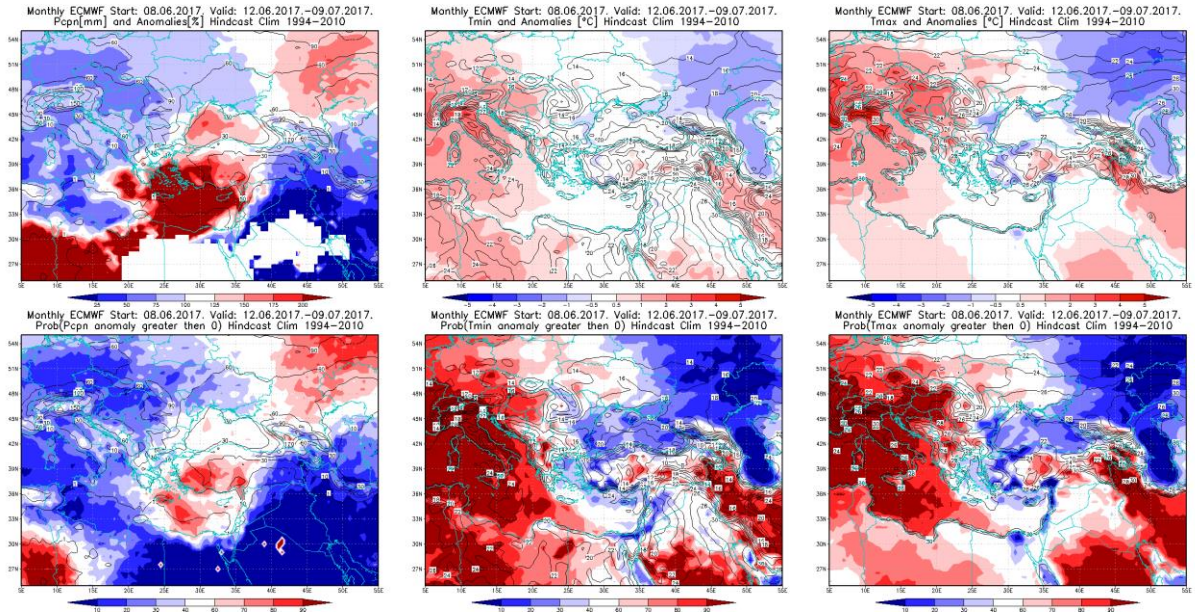

Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 12.6 – 9.7.2017 period

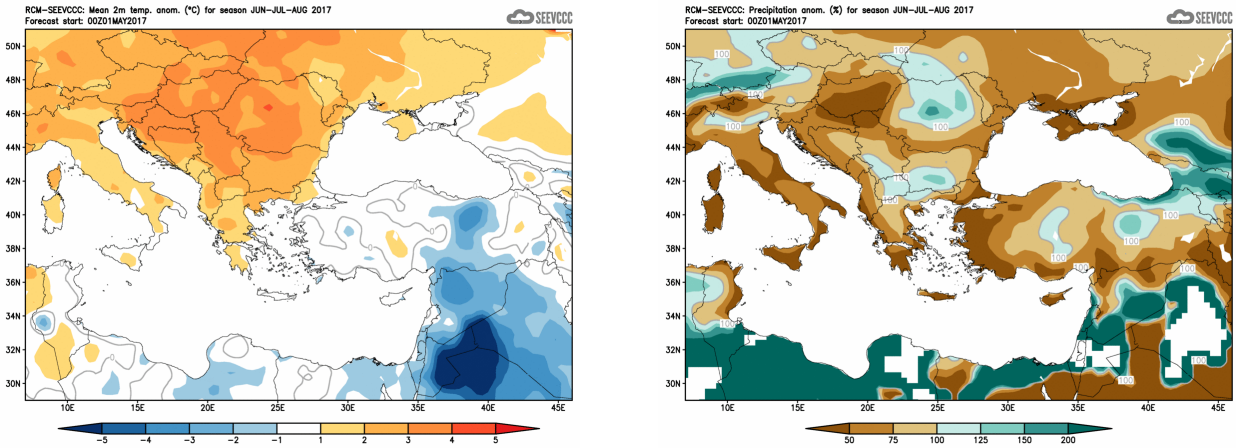

Figure 6. Mean seasonal temperature and precipitation anomaly for the season JJA (seasonal outlook from RCM – SEEVCCC)

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/)