

Climate Watch (Serial No.: 20180611 – 00)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 11-6-2018 12:00 P.M.

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Valid from – to: 11-6-2018– 31-8-2018 Next amendment: 18-6-2018

Region of concern: **Balkans, Ukraine, Cyprus, Turkey, South Caucasus and Middle East**

„In the period from June 11th to 17th 2018, ECMWF monthly forecast predicts above normal mean weekly air temperature in most of the SEE region, with up to +3°C anomaly, with the exception of Ukraine, northern Moldova and central Turkey, where anomaly will reach up to 4°C. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is expected over the Adriatic Sea, most of the Balkans and Turkey, Carpathian Mountains, Cyprus, Middle East and South Caucasus. Probability for exceeding upper tercile is in a range from around 70%, to 90% over southernmost and easternmost Turkey, Cyprus, Middle East and Armenia.

Until the end of June, and the first week of July above normal mean monthly air temperature is expected in most of the SEE region, except in eastern Turkey and some parts of the south Caucasus, with anomaly reaching up to +3°C. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is expected along the coasts of Adriatic and Ionian Sea, Cyprus, southern Turkey, most of the south Balkans and Middle East, with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for Ukraine and Moldova, with 60% probability for exceeding lower tercile.”

Monitoring

In the period from June 3rd to June 9th 2018, above normal air temperature, with anomaly up to +5°C, was registered in most of the SEE region. Anomaly reaching up to +7°C was recorded in eastern and central Romania, central Croatia and central Serbia. In most of the SEE region, weekly precipitation sums were below 25 mm. Most of the Balkans and Armenia received up to 50 mm of precipitation, while up to 100 mm of precipitation was recorded in the Carpathian region and northwestern parts of the Balkans.

Outlook

Within the first week (June 11th to 17th 2018), ECMWF monthly forecast predicts above normal mean weekly air temperature in most of the SEE region, with up to +3°C anomaly, with the exception of Ukraine, northern Moldova and central Turkey, where anomaly will reach up to 4°C. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is expected over the Adriatic Sea, most of the Balkans and Turkey, Carpathian Mountains, Cyprus, Middle East and South Caucasus. Probability for exceeding upper tercile is in a range from around 70% to 90% over southernmost and easternmost Turkey, Cyprus, Middle East and Armenia.

During the second week (June 18th to 24th 2018), above normal mean weekly air temperature is expected in most of the region with anomaly up to +2°C, in Ukraine, Moldova and central Turkey, anomaly reaching up to +3°C. Probability for exceeding upper tercile is in a range from 70% over the Balkans to 90% in the eastern Mediterranean. Precipitation surplus is expected over most of Greece, Cyprus, some parts of Turkey and Middle East. Probability for exceeding upper tercile is around 70%. Precipitation deficit is predicted for Ukraine, Moldova, northern and eastern Romania, with low probability for exceeding lower tercile.

In the period from June 11th to July 8th 2018, above normal mean monthly air temperature is expected in most of the SEE region, except in eastern Turkey and some parts of the south Caucasus, with anomaly reaching up to +3°C. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is expected along the coasts of Adriatic and Ionian Sea, Cyprus, southern Turkey, most of the south Balkans and Middle East, with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for Ukraine and Moldova, with 60% probability for exceeding lower tercile.

During the following three months (June, July and August) seasonal forecast predicts above normal seasonal air temperature for most of the SEE region. Below normal seasonal air temperature is expected in parts of eastern Turkey. Precipitation deficit is expected in most of the SEE region. Precipitation surplus is predicted for the Carpathian region, South Caucasus, northeastern Turkey, most of Jordan and Israel.

Update

An updated statement will be issued on 18-6-2018

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

ANNEX

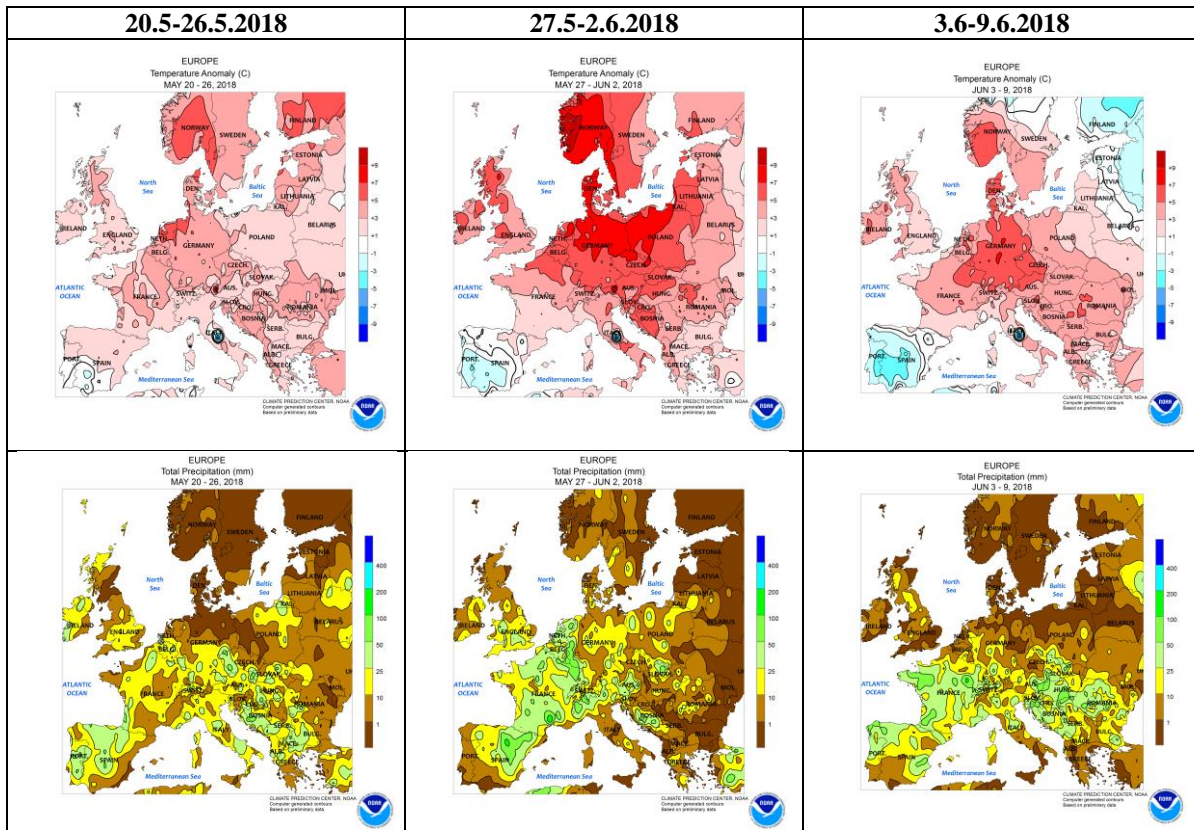


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

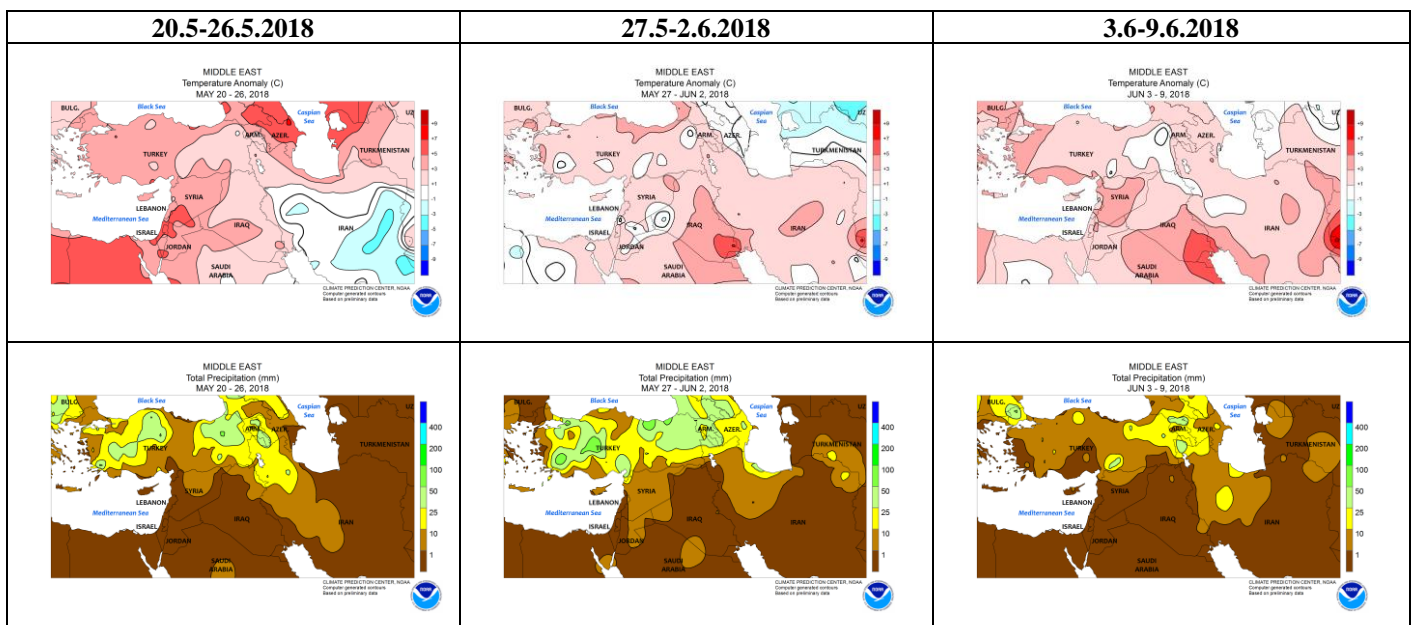


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

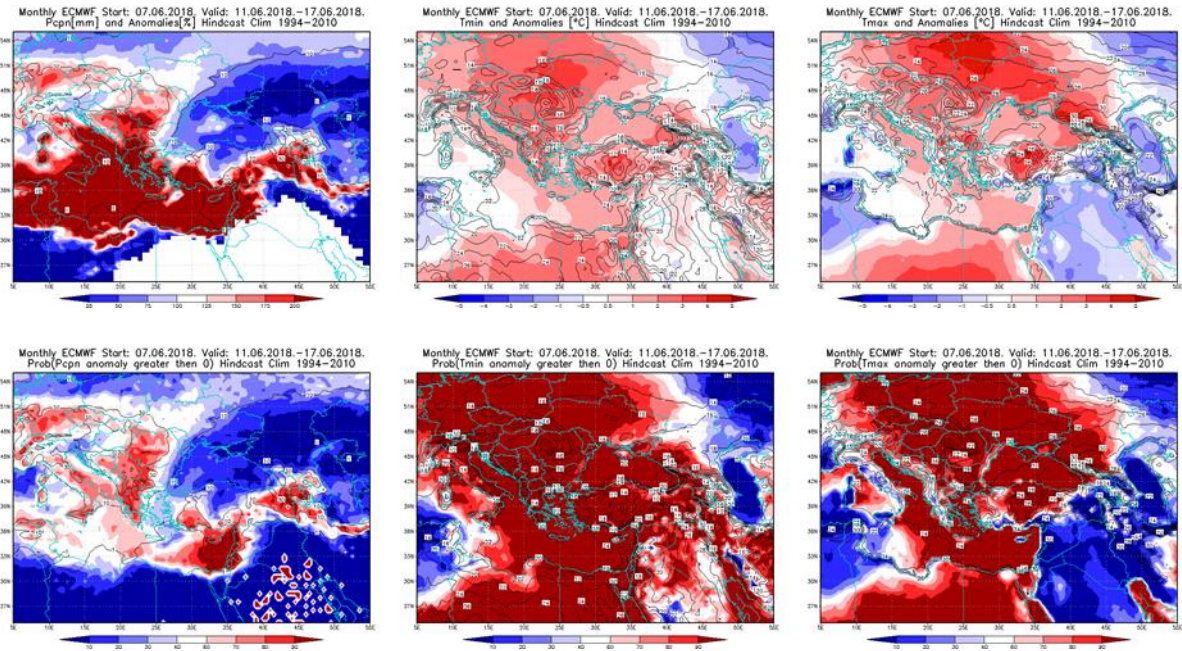


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 11.6 – 17.6.2018 period

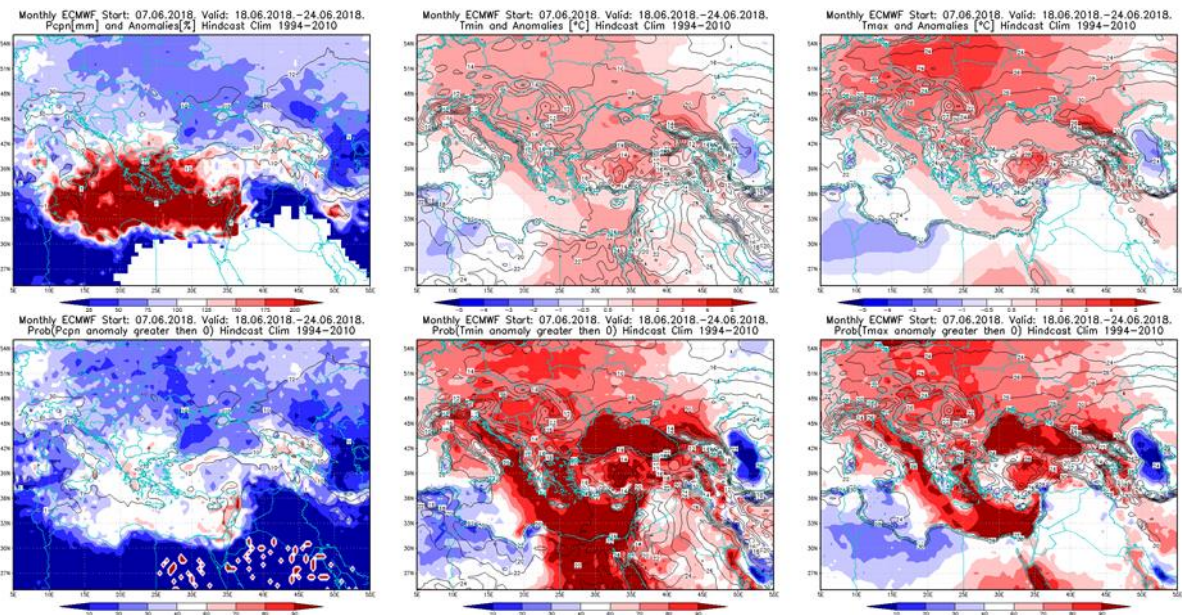


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 18.6 – 24.6.2018 period

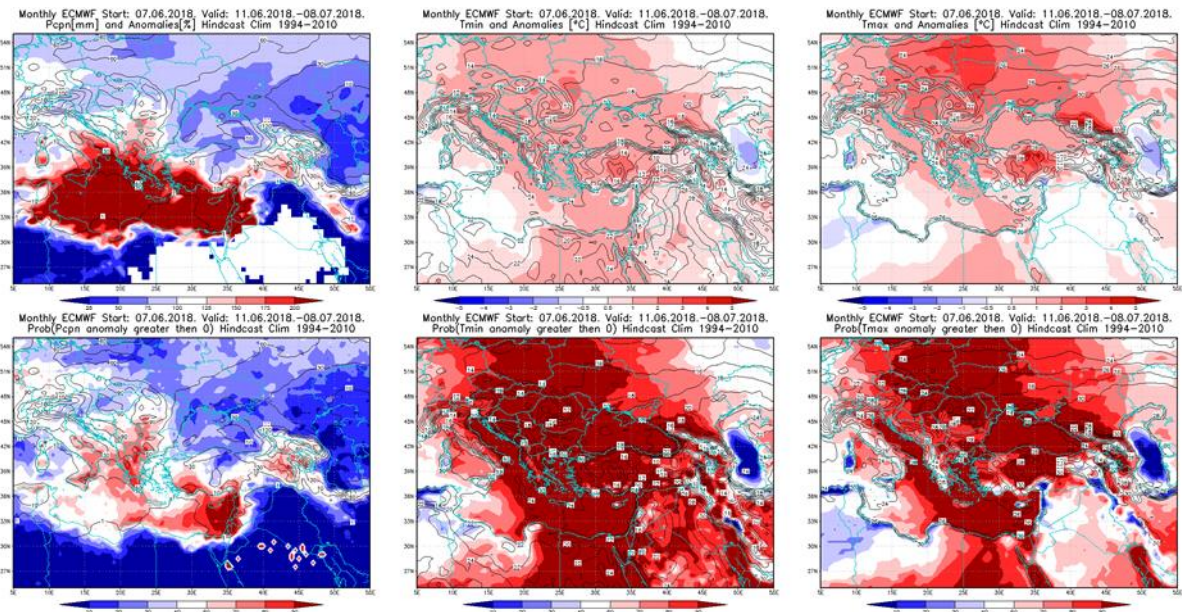


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 11.6 – 8.7.2018 period

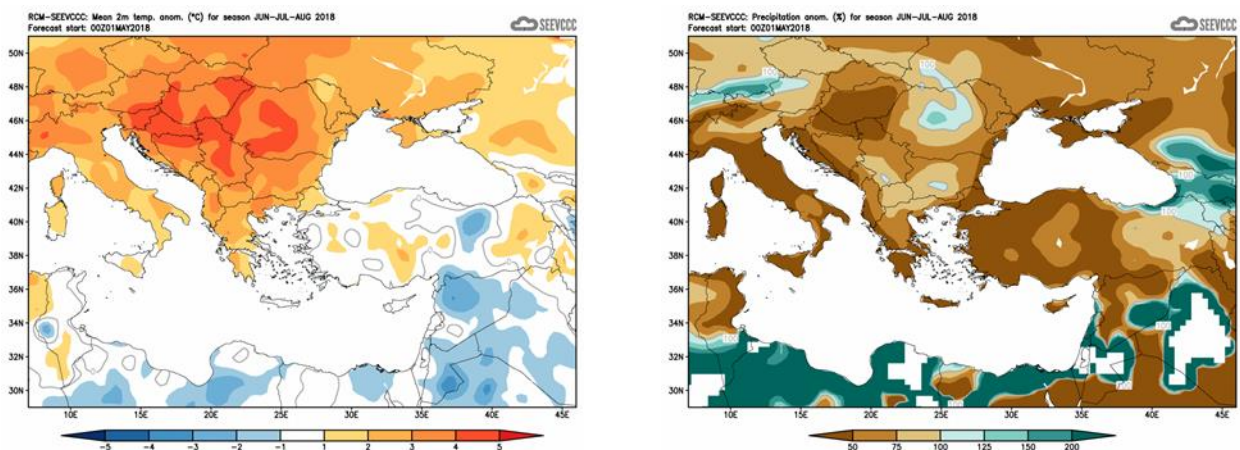


Figure 6. Mean seasonal temperature and precipitation anomaly for the season JJA (seasonal outlook from RCM – SEEVCCC)

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/>)