

Climate Watch (Serial No.: 20190603 – 00)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 3-6-2019 12:00 P.M.

Contact: E-mail: cws-seevccc@hidmet.gov.rs
Phone: +381112066925
Fax: +381112066929

Valid from – to: 3-6 – 31-8-2019 Next amendment: 10-6-2019

Region of concern: **the Balkans, Cyprus and Turkey**

„In the period from June 3rd to June 30th 2019, above normal mean weekly air temperature is expected in most of the region, with anomaly up to +5°C, and with up to 90% probability for exceeding upper tercile. Below normal mean weekly air temperature with up to -1°C anomaly is forecasted in southwestern Balkans, Cyprus and southwestern Turkey, with 60% probability for exceeding lower tercile. Precipitation surplus is predicted for southern and eastern Balkans, western Turkey and some parts of Middle East, with up to 80% for exceeding upper tercile.”

Monitoring

During the period from May 26th to June 1st 2019, above normal air temperature was registered in the eastern Balkans, Ukraine, Moldova, Cyprus, Turkey, south Caucasus and Middle East, with anomaly reaching up to +7°C. Below normal air temperature was in the western Balkans, with up to -3°C anomaly. Precipitation totals were up to 50 mm in most of the region. In the western Balkans, Pannonia plain and some parts of Carpathian region precipitation sums reached 100 mm, at some locations even up to 200 mm.

Outlook

Within the first week (June 3rd to 9th 2019), ECMWF monthly forecast predicts below normal mean weekly air temperature in southwestern parts of the Balkans and Turkey, with anomaly up to -2°C. Above normal mean weekly air temperature is expected in rest of the region, with anomaly up to +5°C in Ukraine, central Turkey and south Caucasus. Probability for exceeding lower/upper tercile is up to 90%. Precipitation surplus is expected in the northeastern Balkans, Moldova and northern Turkey. Probability for exceeding upper tercile is up to 90% for exceeding upper tercile.

During the second week (June 10th to 16th 2019), above normal mean weekly air temperature with anomaly in a range from +2°C up to +5°C is expected in most of the Balkans, Turkey, south Caucasus and Ukraine. Probability for exceeding upper tercile is up to 90%. Below normal mean weekly air temperature with up to -2°C anomaly is forecasted in Cyprus and southwestern Turkey, with 70% probability for exceeding lower tercile. Precipitation surplus is predicted in the southern Balkans, Cyprus and Turkey, with up to 80% probability for exceeding upper tercile.

In the period from June 3rd to June 30th 2019, above normal mean weekly air temperature is expected in most of the region, with anomaly up to +5°C, and with up to 90% probability for exceeding upper tercile. Below normal mean weekly air temperature with up to -1°C anomaly is forecasted in southwestern Balkans, Cyprus and southwestern Turkey, with 60% probability for exceeding lower tercile. Precipitation surplus is predicted for southern and eastern Balkans, western Turkey and some parts of Middle East, with up to 80% for exceeding upper tercile.

During the following three months (June, July and August) seasonal forecast predicts above normal seasonal air temperature for the Balkans, most of Turkey, Moldova and Ukraine. Precipitation surplus is predicted for the Carpathian region, most of South Caucasus, eastern Turkey, Israel and Jordan. Precipitation deficit is expected in most of the Balkans, most of Ukraine, Moldova, western, central and some parts of southern Turkey and Cyprus.

Update

An updated statement will be issued on 10-6-2019

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

ANNEX

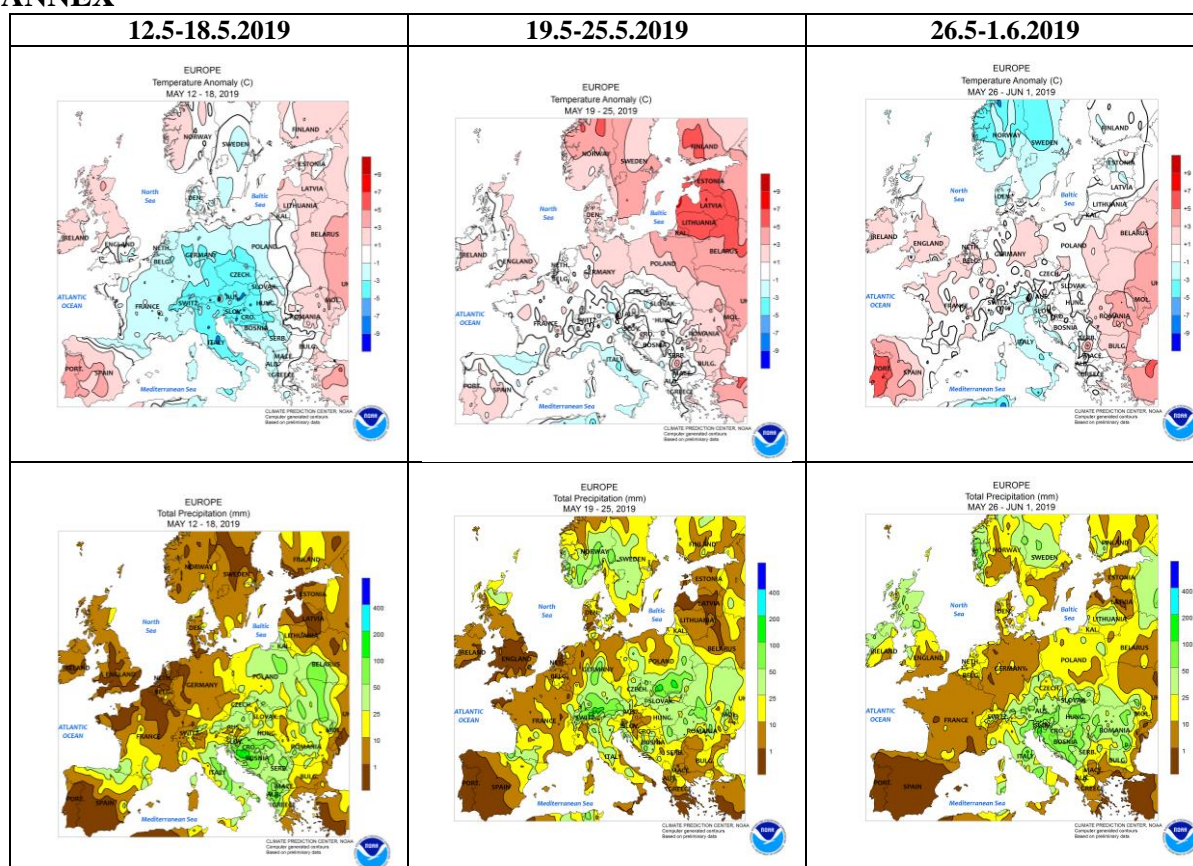


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

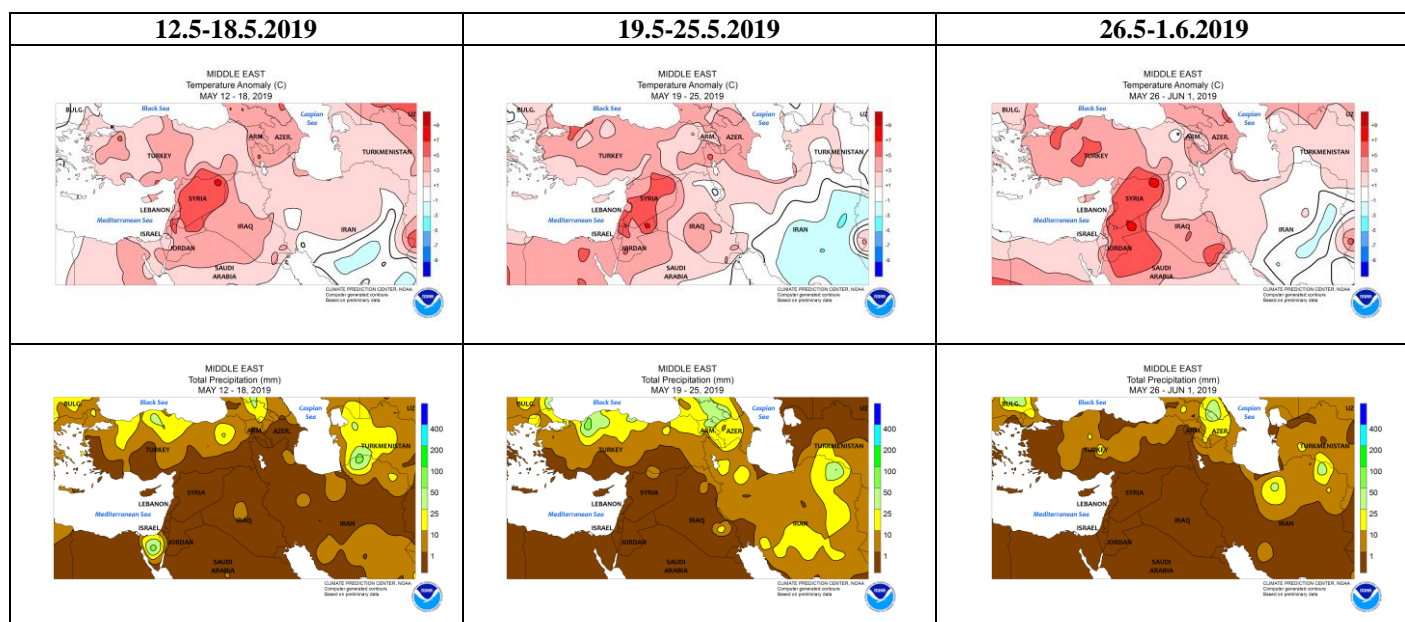


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

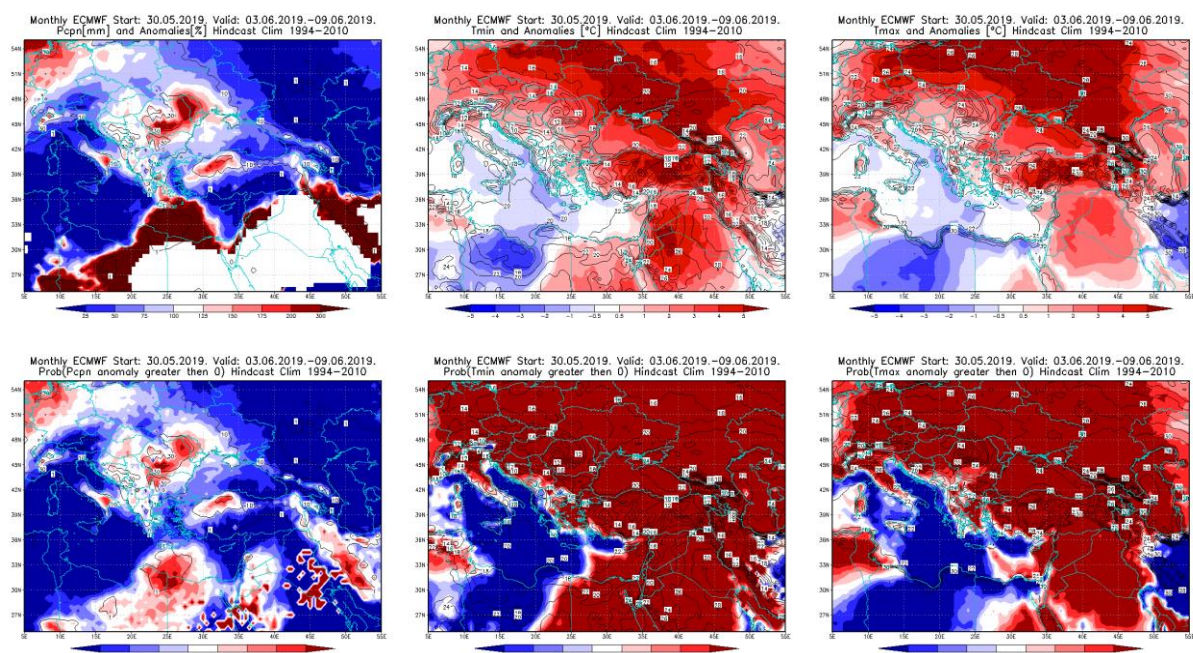


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 3.6 – 9.6.2019 period

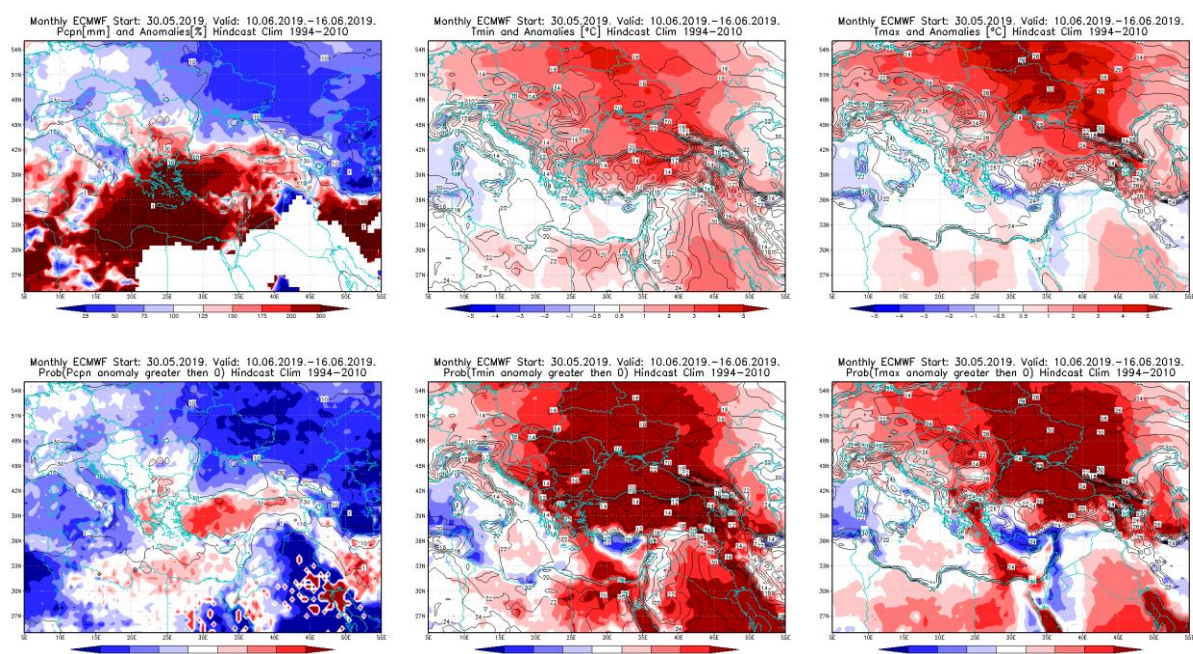


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 10.6 – 16.6.2019 period

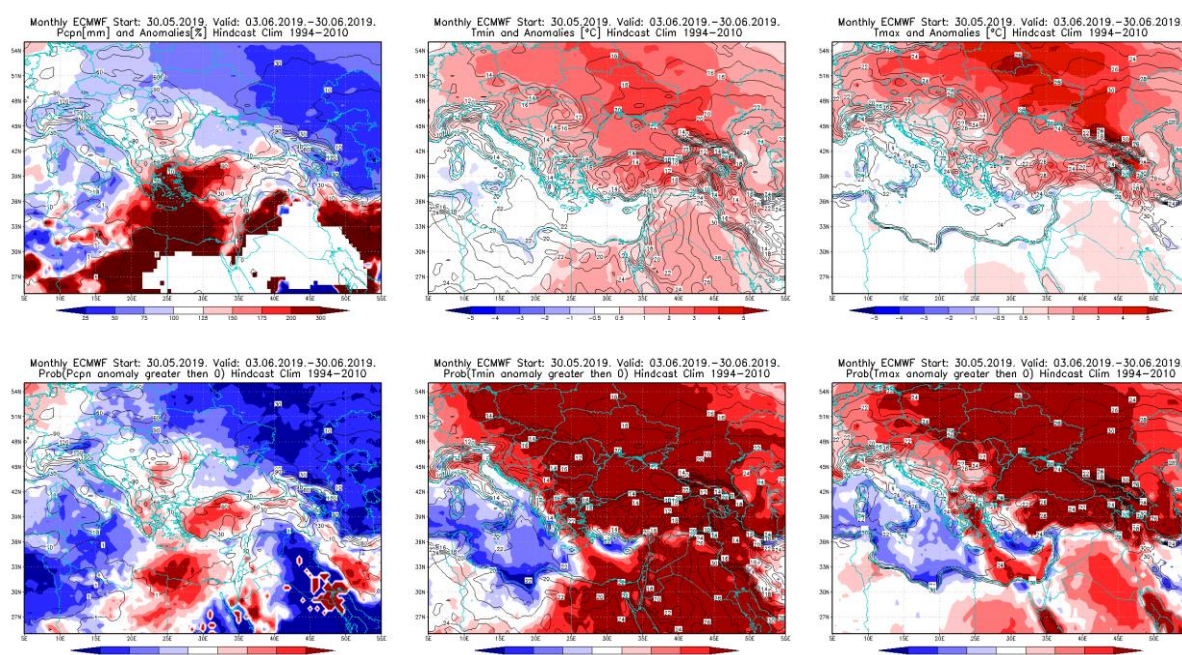


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 3.6 – 30.6.2019 period

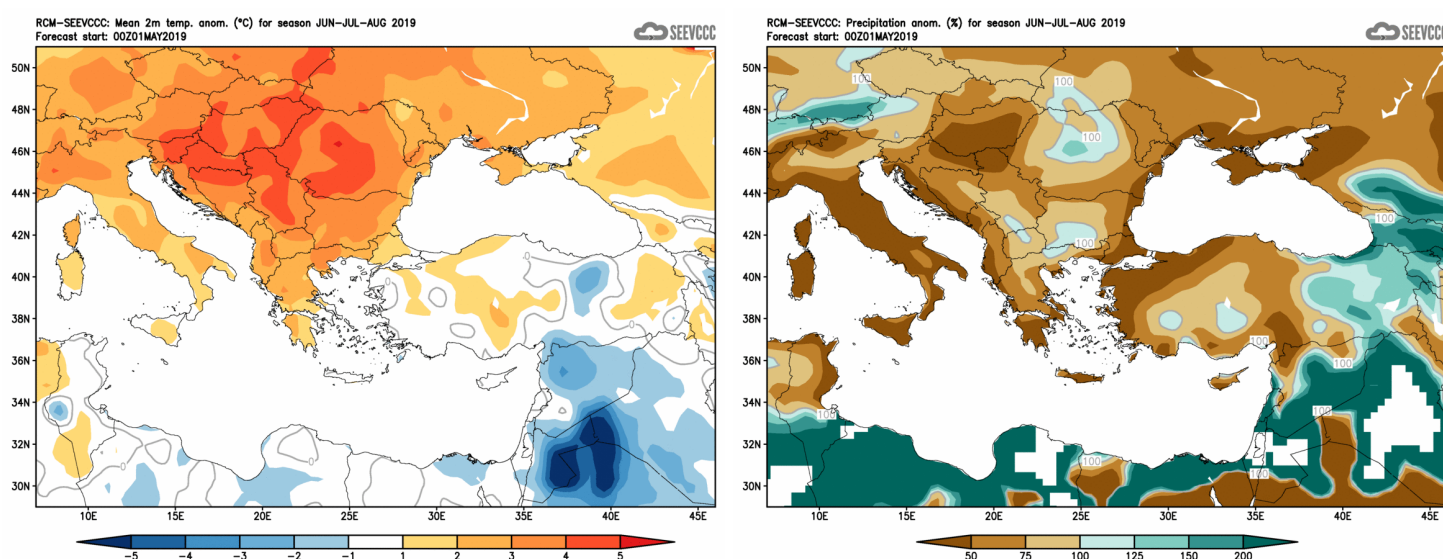


Figure 6. Mean seasonal temperature and precipitation anomaly for the season JJA (seasonal outlook from RCM – SEEVCCC)

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/>)

