

Climate Watch (Serial No.: 20200525 – 21)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 25-5-2020 12:00 P.M.

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Valid from – to: 25-5-2020 – 31-8-2020 Next amendment: 1-6-2020

Region of concern: **SEE**

„In the period from May 25th to 31st 2020, ECMWF monthly forecast predicts below normal mean weekly air temperature for the Balkans and western and central Turkey with anomaly up to -5°C. Above normal mean weekly air temperature is predicted for eastern Turkey and South Caucasus, with anomaly up to +3°C. Probability for exceeding lower/upper tercile is around 90%. Precipitation surplus is expected in the southern and eastern Balkans. Precipitation deficit is predicted for central and eastern Turkey and South Caucasus. Probability for exceeding upper/lower tercile is around 80%.“

Monitoring

During the period from May 17th to 23rd 2020, above normal air temperature was observed in the southern and part of western Balkans, Turkey and Eastern Mediterranean, with anomaly reaching up to +5°C. Below normal air temperature was registered in Serbia, Romania, Moldova and Ukraine, with anomaly ranging from around -2°C in Serbia up to -6°C in Ukraine. Most of the SEE region received up to 25 mm of precipitation. In Romania precipitation sums up to 75 mm are registered.

Outlook

Within the first week (May 25th to 31st 2020), ECMWF monthly forecast predicts below normal mean weekly air temperature for the Balkans and western and central Turkey with anomaly up to -5°C. Above normal mean weekly air temperature is predicted for eastern Turkey and South Caucasus, with anomaly up to +3°C. Probability for exceeding lower/upper tercile is around 90%. Precipitation surplus is expected in the southern and eastern Balkans. Precipitation deficit is predicted for central and eastern Turkey and South Caucasus. Probability for exceeding upper/lower tercile is around 80%.

During the second week (June 1st to 7th 2020), above normal weekly air temperature is forecasted for eastern Turkey and south Caucasus, with anomaly up to +3°C and probability for exceeding upper tercile around 80%. Average temperature is expected in most of the Balkans and western Turkey. Average precipitation sums are expected in most of the Balkans. Precipitation deficit is predicted for most of Turkey with probability for exceeding lower tercile around 60%.

In the period from May 25th to June 21st 2020, above normal mean monthly air temperature is expected in eastern Turkey and south Caucasus, with anomaly up to +2°C and up to 80% probability for exceeding upper tercile. Below normal mean weekly air temperature is predicted for southern and eastern Balkans, with anomaly up to -2°C and probability for exceeding lower tercile around 80%. Average precipitation sums are expected in most of the SEE region. Precipitation deficit is expected for southern and eastern Turkey with probability for exceeding lower tercile around 70%.

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

Update

An updated statement will be issued on 1-6-2020

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

ANNEX

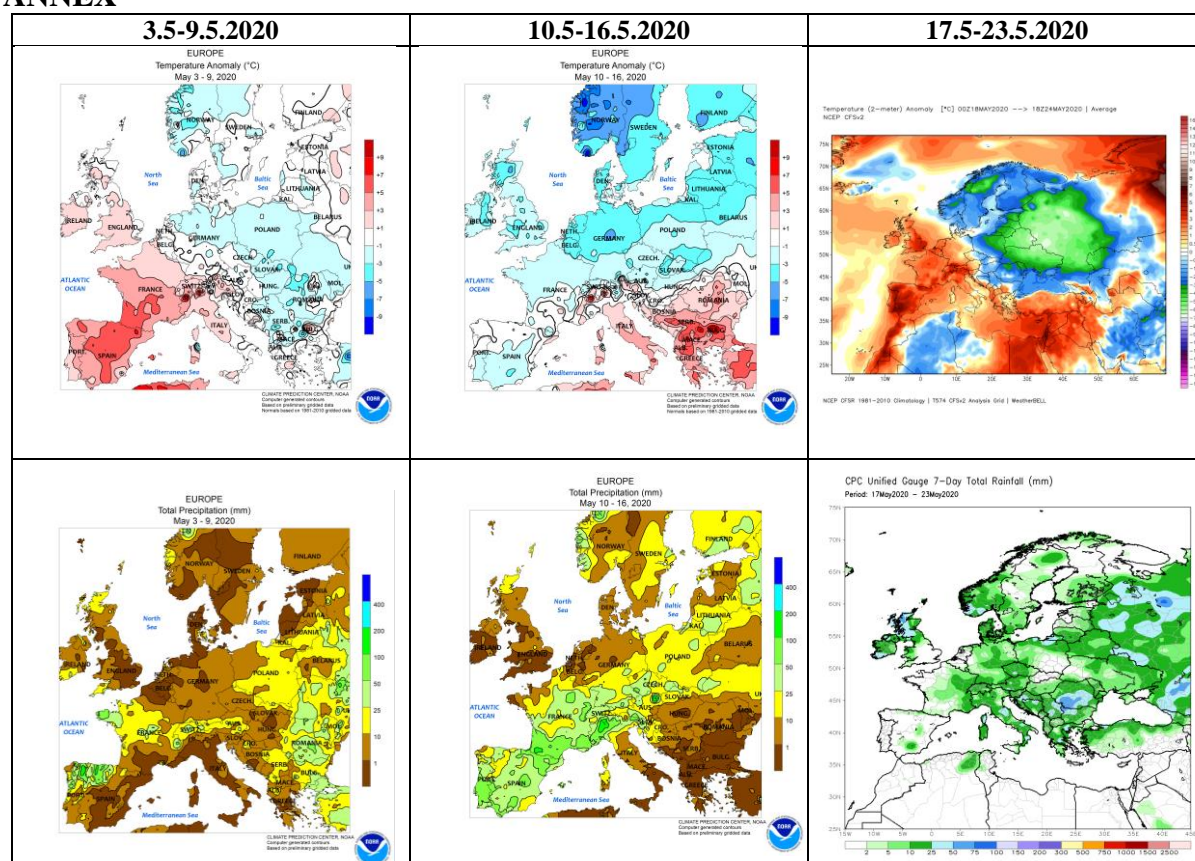


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

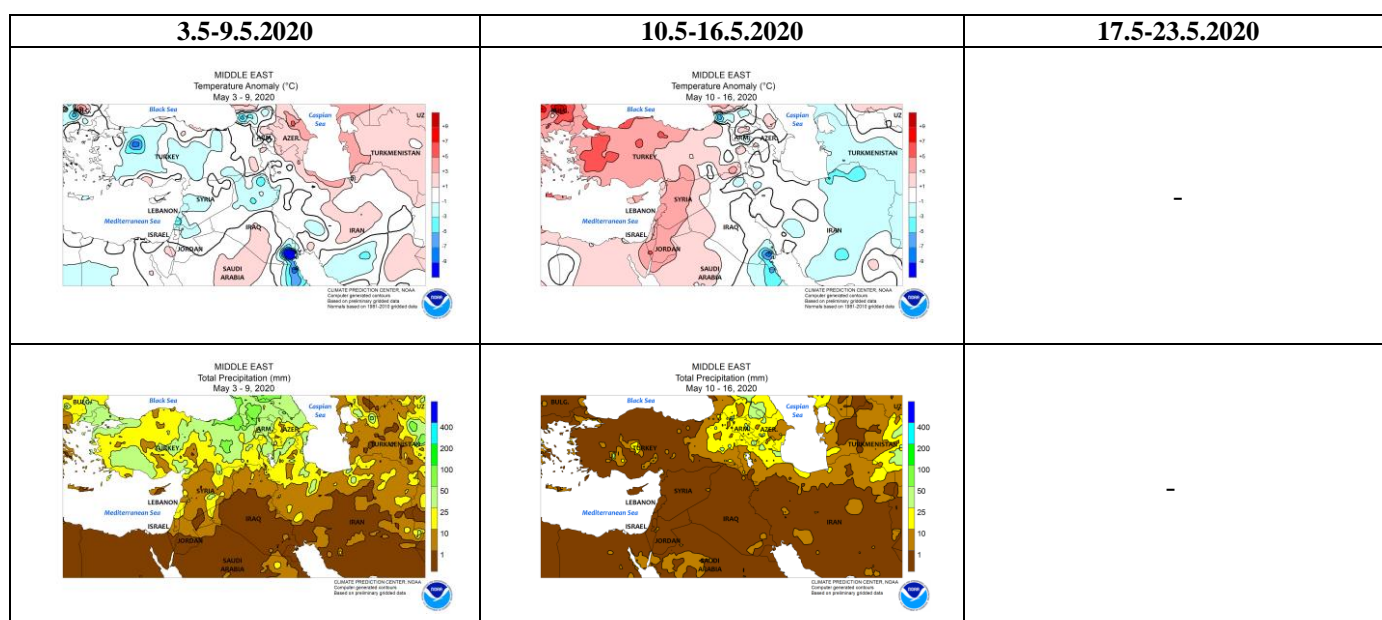


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

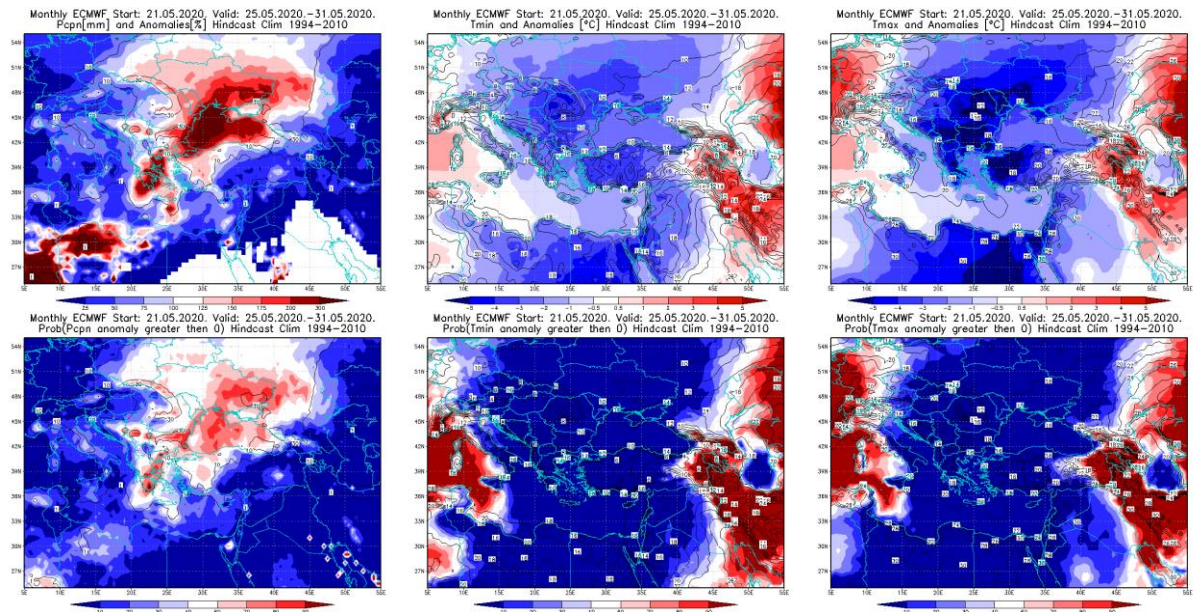


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 25.5–31.5.2020 period

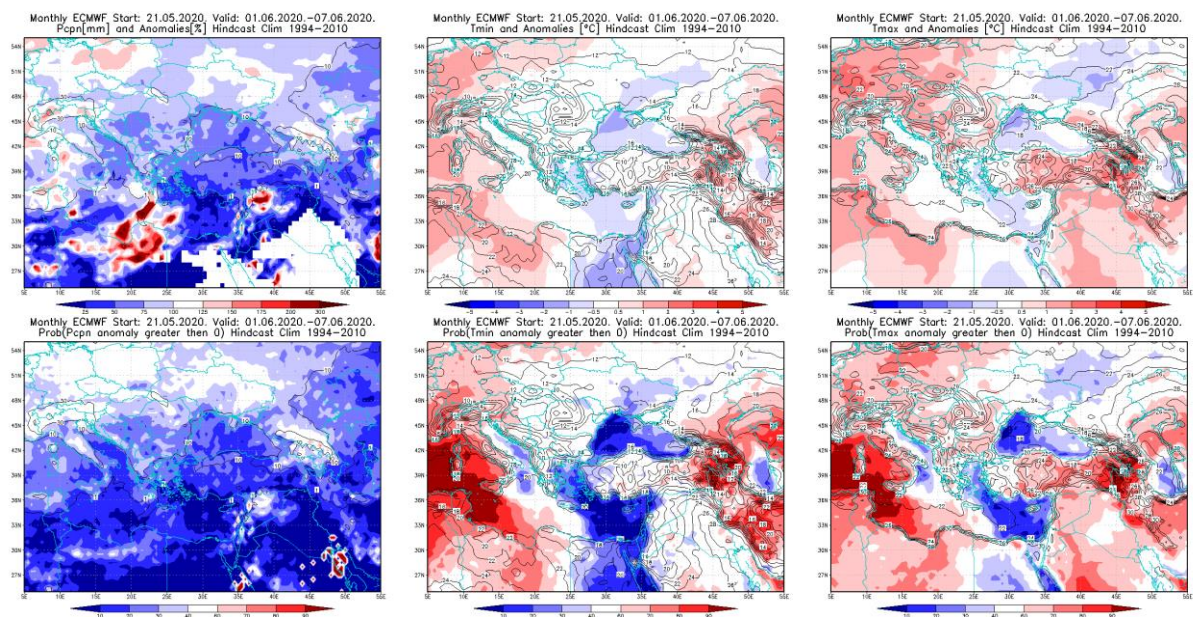


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 1.6–7.6.2020 period

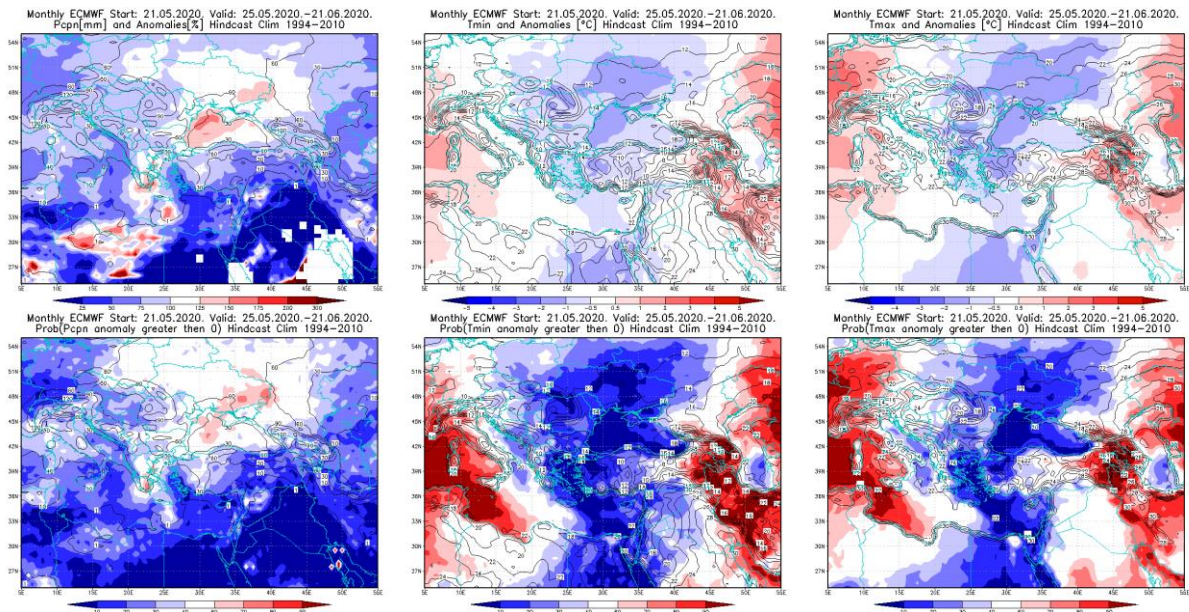


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 25.5–21.6.2020 period

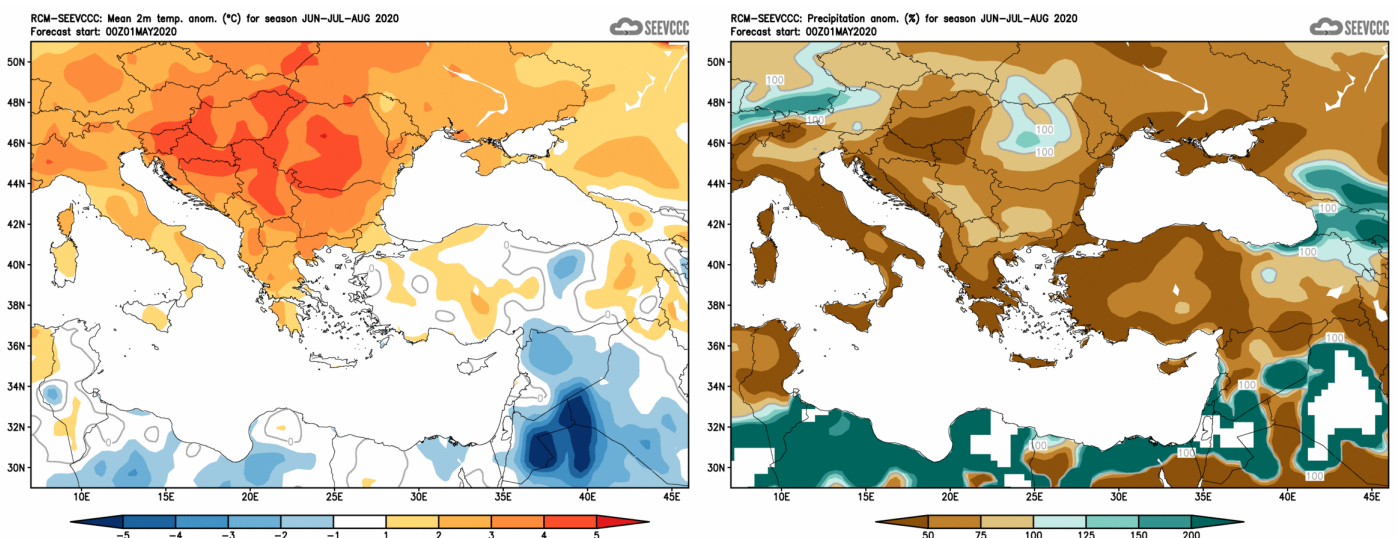


Figure 6. Mean seasonal temperature and precipitation anomaly for the season JJA (seasonal outlook from RCM – SEEVCCC)

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/>)