

Climate Watch (Serial No.: 20200608 – 23)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

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Cancelled

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Valid from – to: 8-6-2020 – 31-8-2020 Next amendment: 15-6-2020

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

„In the period from June 8th to 14th 2020, ECMWF monthly forecast predicts below normal mean weekly air temperature along the Adriatic Sea coast, with anomaly up to -2°C. Above normal mean weekly air temperature is predicted for the eastern Balkans, Ukraine, Moldova, central and eastern Turkey, South Caucasus and Middle East, with anomaly up to +5°C. Probability for exceeding lower/upper tercile is around 90%. Precipitation surplus is expected for the western Balkans, with probability for exceeding upper tercile around 70%. Precipitation deficit is predicted for eastern Ukraine and South Caucasus with probability for exceeding lower tercile up to 90%.“

Monitoring

During the period from May 31st to June 6th 2020, most of the SEE region received up to 25 mm of precipitation. In the northwestern Balkans, western and eastern Ukraine, as well as northwestern Turkey precipitation sums up to 50 mm were registered.

Outlook

Within the first week (June 8th to 14th 2020), ECMWF monthly forecast predicts below normal mean weekly air temperature along the Adriatic Sea coast, with anomaly up to -2°C. Above normal mean weekly air temperature is predicted for the eastern Balkans, Ukraine, Moldova, central and eastern Turkey, South Caucasus and Middle East, with anomaly up to +5°C. Probability for exceeding lower/upper tercile is around 90%. Precipitation surplus is expected for the western Balkans, with probability for exceeding upper tercile around 70%. Precipitation deficit is predicted for eastern Ukraine and South Caucasus with probability for exceeding lower tercile up to 90%.

During the second week (June 15th to 21st 2020), above normal weekly air temperature is forecasted for the northwestern and eastern Balkans, Ukraine and South Caucasus, with anomaly up to +3°C and probability for exceeding upper tercile around 70%. Precipitation surplus is expected for southern Ukraine and Turkey, with probability for exceeding lower tercile up to 60%.

In the period from June 8th to July 5th 2020, above normal mean weekly air temperature is predicted for the northeastern Balkans, Ukraine, northern Turkey and South Caucasus, with anomaly up to +2°C and probability for exceeding upper tercile around 80%. Average precipitation sums are expected in most of the SEE region.

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 15-6-2020

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

ANNEX

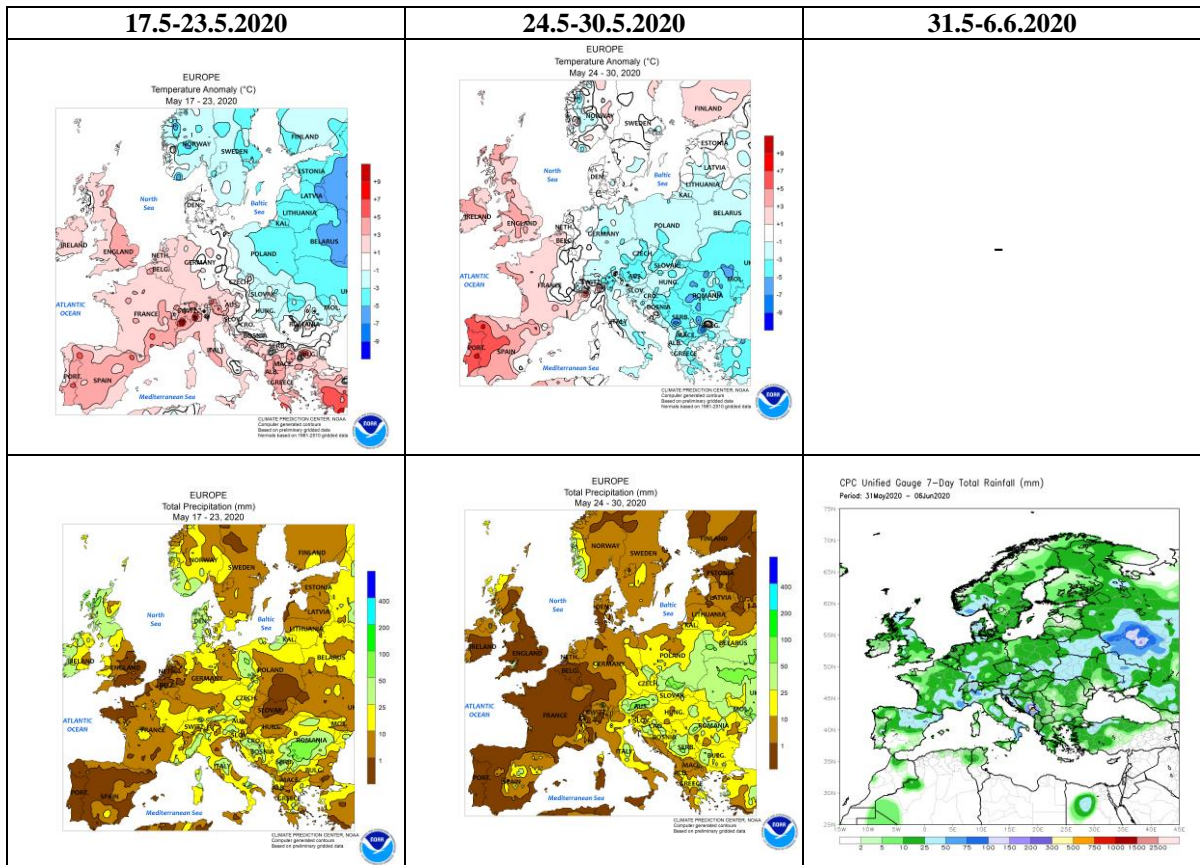


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

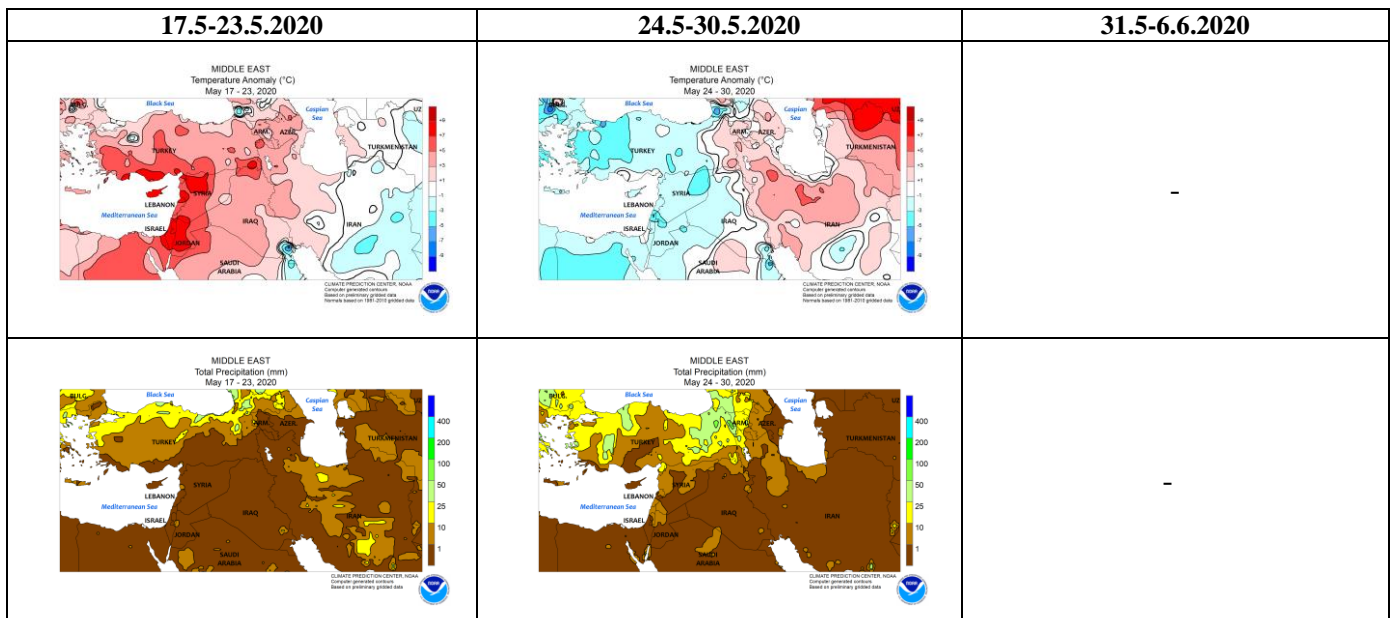


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

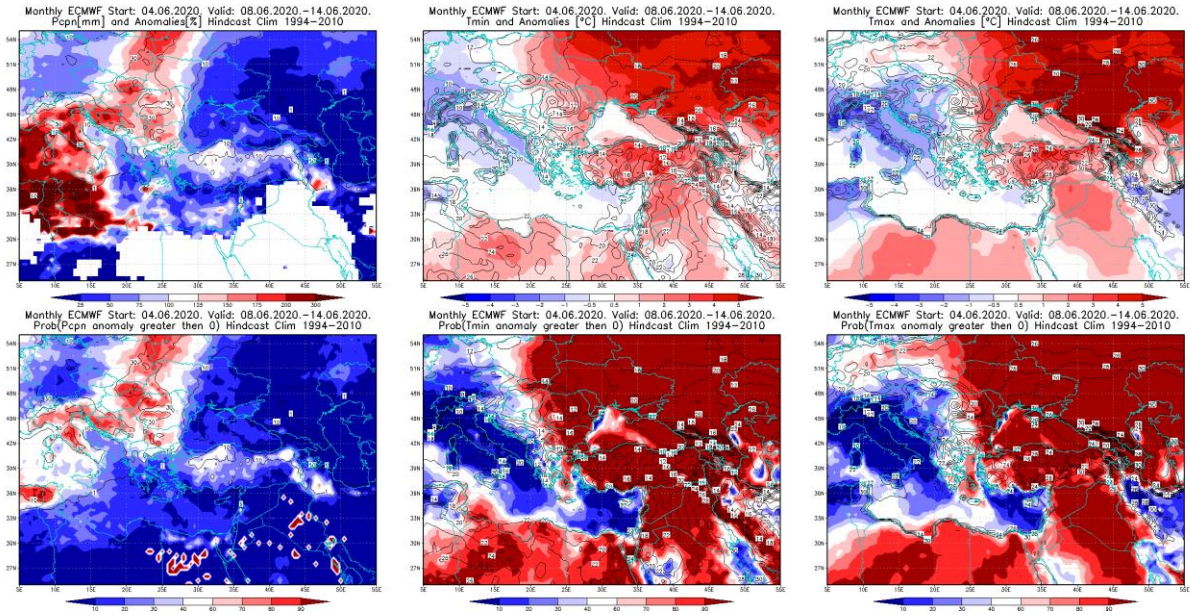


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 8.6–14.6.2020 period

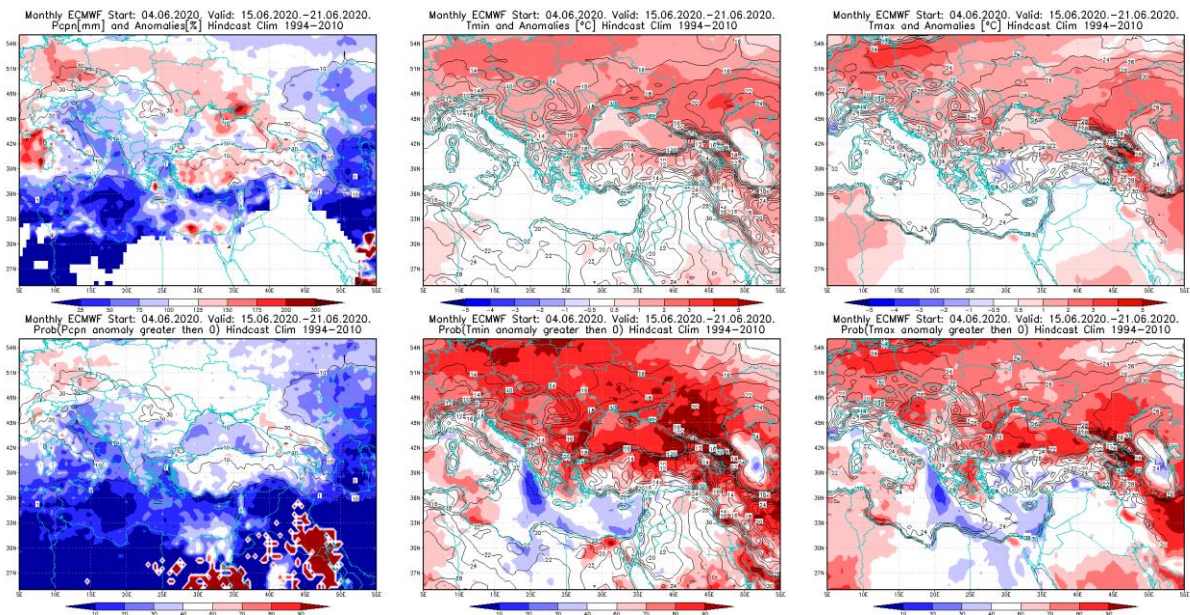


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 15.6–21.6.2020 period

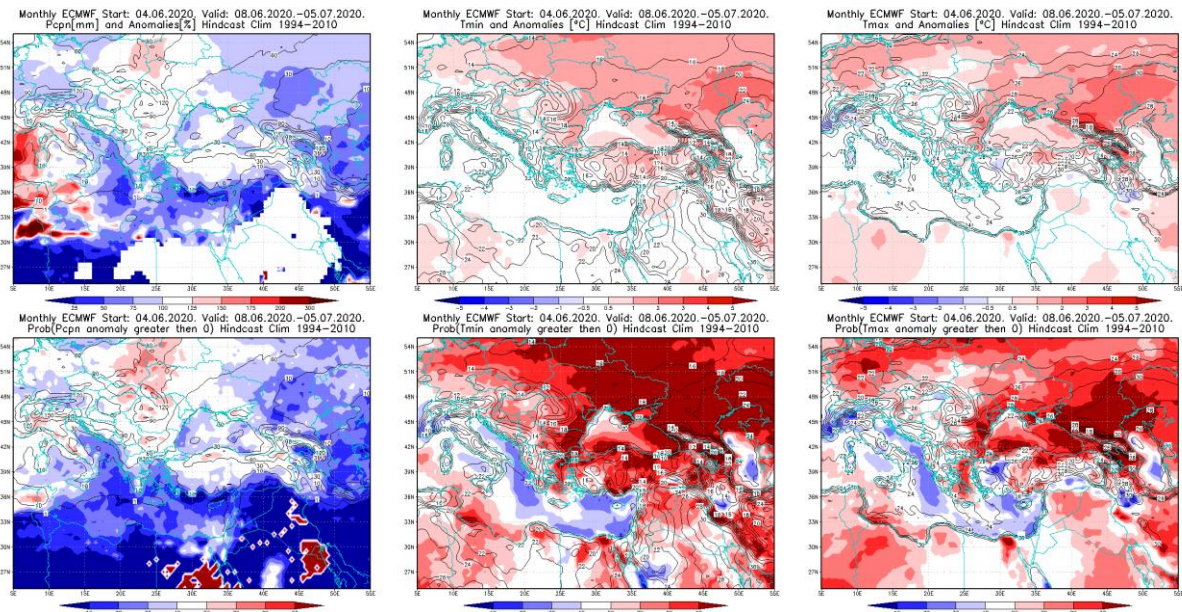


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 8.6–5.7.2020 period

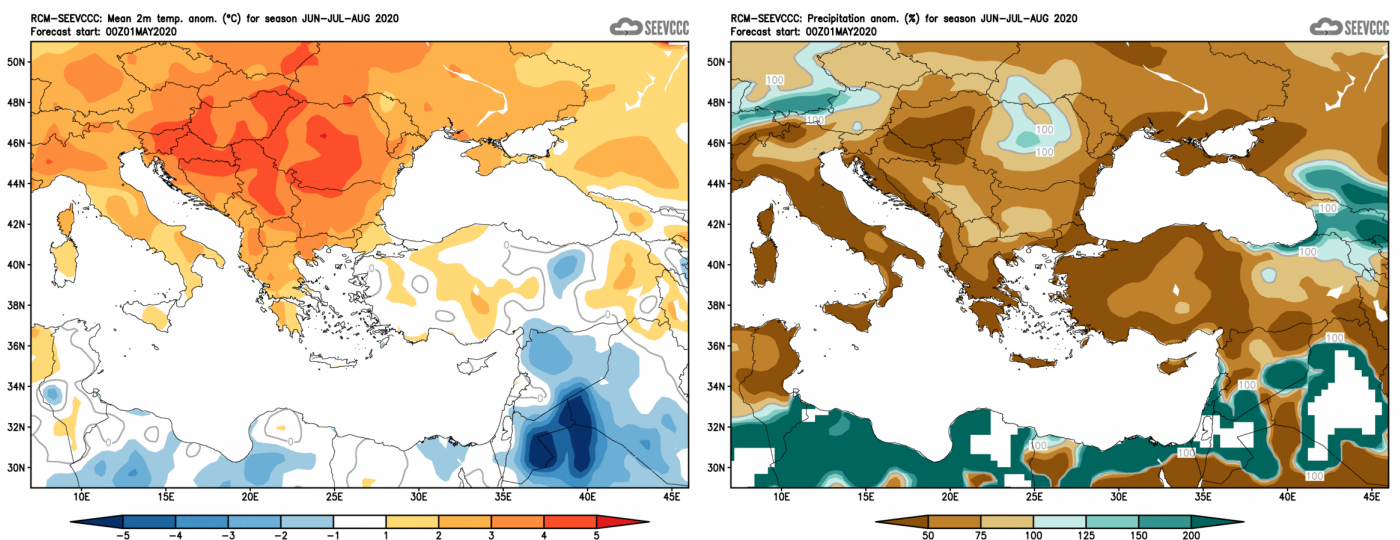


Figure 6. Mean seasonal temperature and precipitation anomaly for the season JJA (seasonal outlook from RCM – SEEVCCC)

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/>)