

Climate Watch (Serial No.: 20220711–27)

Initial/Updated/Final

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

Organization issuing SEEVCCC

the statement:

Issued/ Amended / 11-7-2022 16:00 P.M.

Cancelled

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Valid from – to: 11-7-2022 – 30-9-2022

Next amendment: 18-7-2022

Region of concern: **the Balkans, Romania**

„Within the first week (18 to 24 July 2022), ECMWF monthly forecast predicts above average temperature, with anomaly up to +3°C, in most of the SEE region, and anomaly up to +6°C in the western and northern Balkans, as well as western Romania. Probability for exceeding upper tercile is around 90% in the Balkans, while in remainder of the SEE region probability is up to 70%. Precipitation deficit is expected in the entire region, with around 80% probability for exceeding lower tercile.“

Monitoring

During the period from 3 to 9 July 2022, weekly precipitation sums were below 25 mm in most of the SEE region, except in Carpathian region, western Bulgaria, central and southern Serbia and western part of Aegean Sea, where they were around 50 mm.

Outlook

Within the first week (11 to 17 July 2022), ECMWF monthly forecast predicts above average mean weekly air temperature, with up to +3°C anomaly, in south Caucasus region and eastern Turkey, and anomaly up to +6°C in easternmost part of Turkey. Probability for exceeding upper tercile is around 90%. Below average mean weekly air temperature is expected in rest of the region, with anomaly up to -3°C. Probability for exceeding lower tercile is in a range from 60% in the western, northern and eastern Balkans up to more than 90% in the southern Balkans and part of northern Ukraine and northern Turkey. Precipitation deficit is forecasted for the entire region, with probability for exceeding lower tercile in a range from 60% in Ukraine, Moldova and most of Turkey up to 90% in south Caucasus, Carpathian region, most of the Balkans and eastern Turkey.

During the second week (18 to 24 July 2022), above average temperature, with anomaly up to +3°C, is expected in most of the SEE region, and anomaly up to +6°C in the western and northern Balkans, as well as western Romania. Probability for exceeding upper tercile is around 90% in the Balkans, while in remainder of the SEE region probability is up to 70%. Below average mean weekly air temperature is expected in central Turkey and Aegean Sea, with anomaly up to -3°C. Probability for exceeding lower tercile is up to 70% in Turkey and up to 90% in Aegean Sea. Precipitation deficit is expected in the entire region, with around 80% probability for exceeding lower tercile.

During the following three months (July, August and September), seasonal forecast predicts above normal seasonal air temperature in the northern and western Balkans, most of Romania and western Ukraine. Below normal seasonal air temperature is expected in Jordan and part of central and southeastern Turkey. Precipitation surplus is expected in the Carpathians and the South Caucasus region. Precipitation deficit is predicted for rest of the SEE region.

Update

An updated statement will be issued on 18-7-2022

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

ANNEX

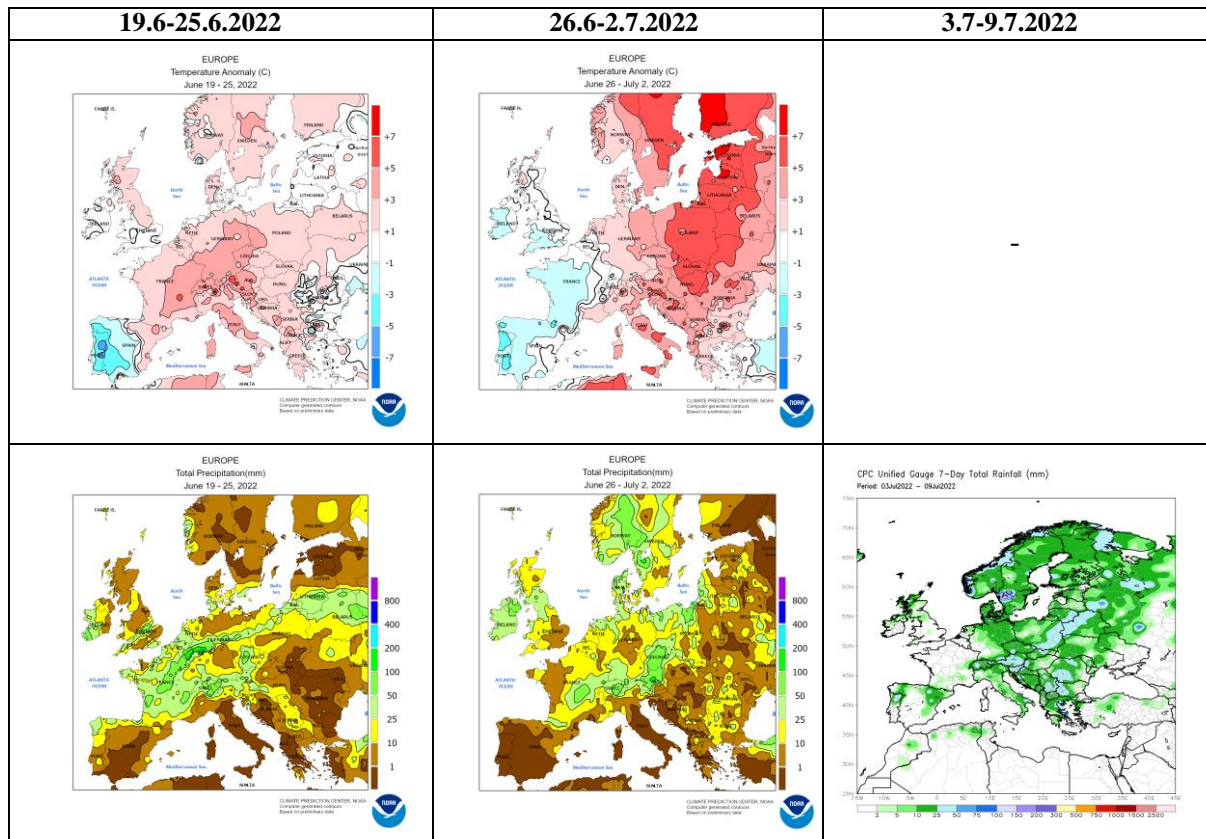


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

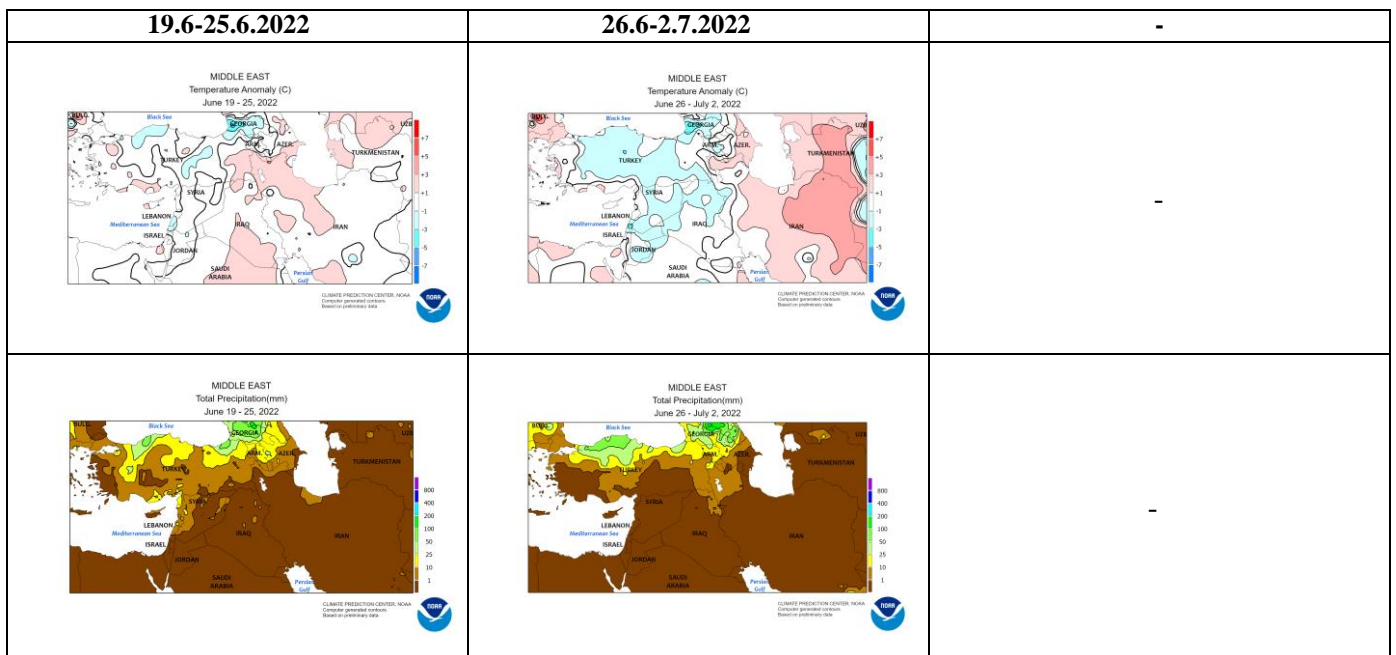


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

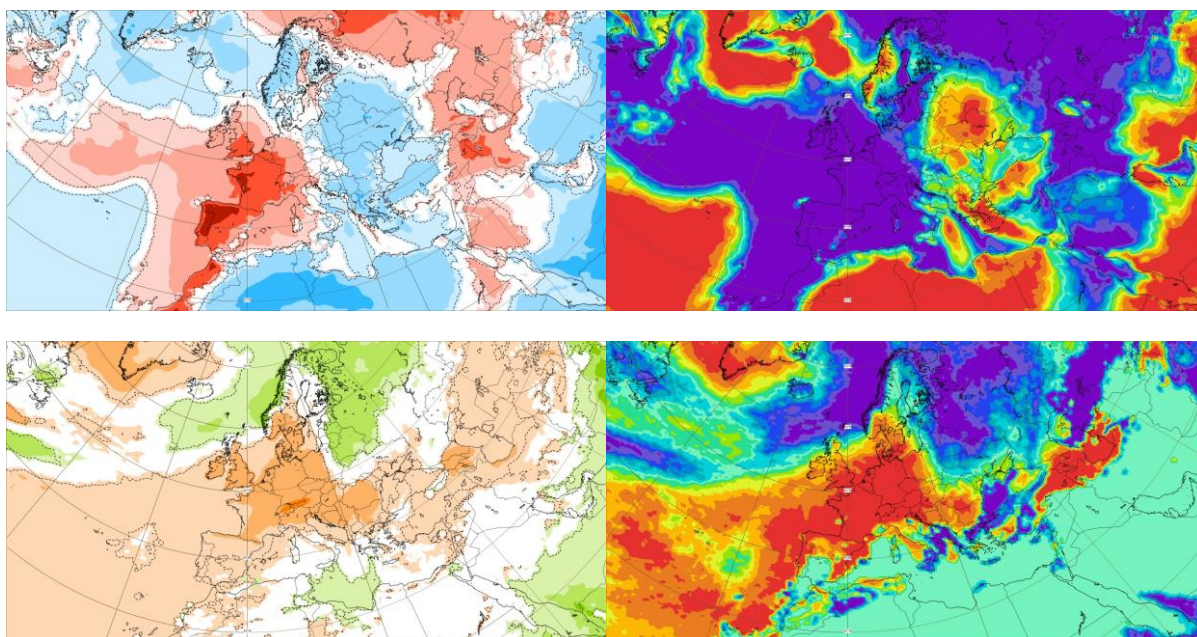


Figure 3. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 11.7–17.7.2022 period

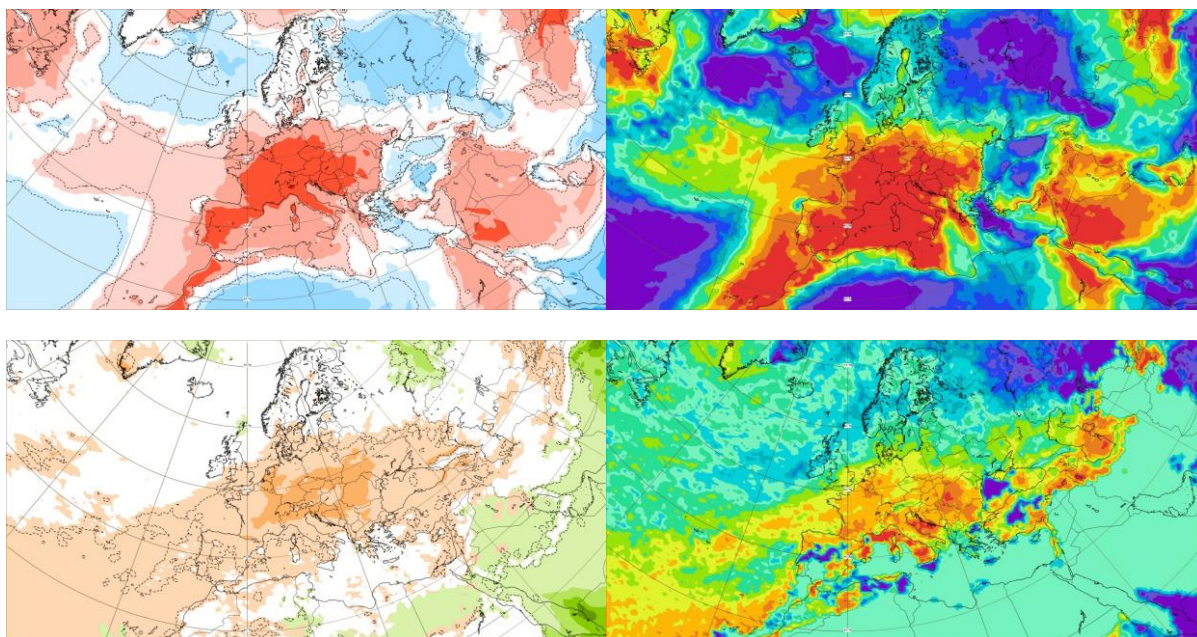


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 18.7–24.7.2022 period

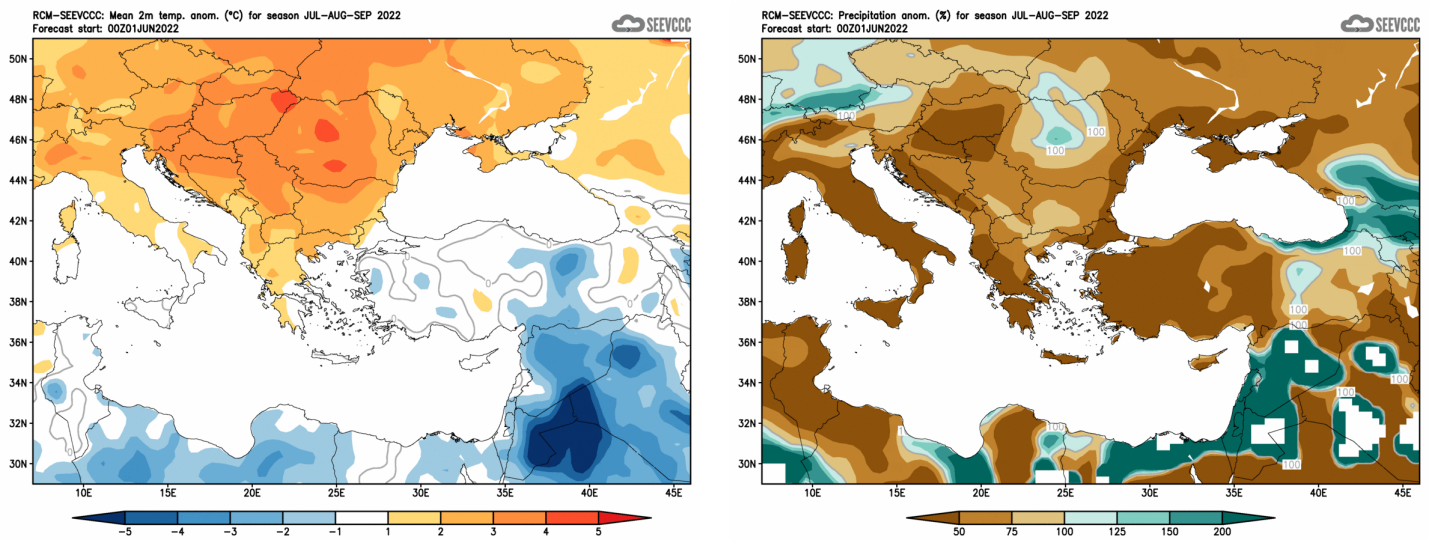


Figure 6. Mean seasonal temperature and precipitation anomaly for the season JAS (seasonal outlook from RCM – SEEVCCC)

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/>)