

Climate Watch (Serial No.: 20220725–29)

Initial/Updated/Final

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

Organization issuing SEEVCCC

the statement:

Issued/ Amended / 25-7-2022 16:00 P.M.

Cancelled

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Valid from – to:

25-7-2022 – 31-10-2022

Next amendment: 1-8-2022

Region of concern: **SEE**

„Within the first week (25 to 31 July 2022), ECMWF monthly forecast predicts above average mean weekly air temperature in the Balkans and southern Turkey, with anomaly from +3°C up to +6°C. Probability for exceeding upper tercile is around 90%. Below average mean weekly air temperature is expected in the central and northern Turkey and South Caucasus, with anomaly up to -3°C. Probability for exceeding lower tercile is around 70%. Precipitation deficit is forecasted for the central and eastern Balkans and most of Turkey, with probability for exceeding lower tercile around 60%.“

Monitoring

During the period from 17 to 23 July 2022, weekly precipitation sums were below 2 mm in most of the SEE region.

Outlook

Within the first week (25 to 31 July 2022), ECMWF monthly forecast predicts above average mean weekly air temperature in the Balkans and southern Turkey, with anomaly from +3°C up to +6°C. Probability for exceeding upper tercile is around 90%. Below average mean weekly air temperature is expected in the central and northern Turkey and South Caucasus, with anomaly up to -3°C. Probability for exceeding lower tercile is around 70%. Precipitation deficit is forecasted for the central and eastern Balkans and most of Turkey, with probability for exceeding lower tercile around 60%.

During the second week (1 to 7 August 2022), above average temperature, with anomaly up to +3°C, is expected in the Balkans and southern Turkey. Probability for exceeding upper tercile is around 80%. In remainder of the SEE region average temperature is expected. Precipitation deficit is expected in most of the region, with up to 60% probability for exceeding lower tercile.

During the following three months (August, September and October), seasonal forecast predicts above normal seasonal air temperature in the northern and eastern Balkans. Below normal seasonal air temperature is expected in 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 1-8-2022

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

ANNEX

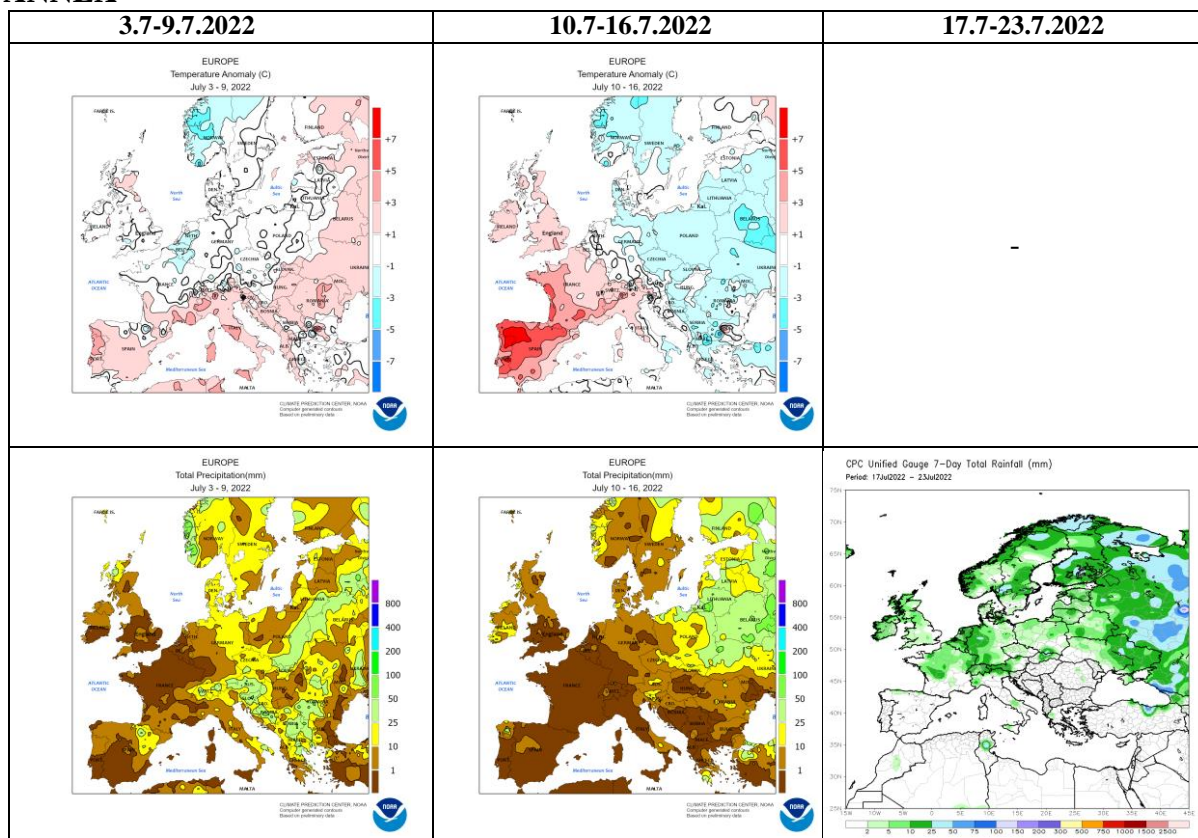


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

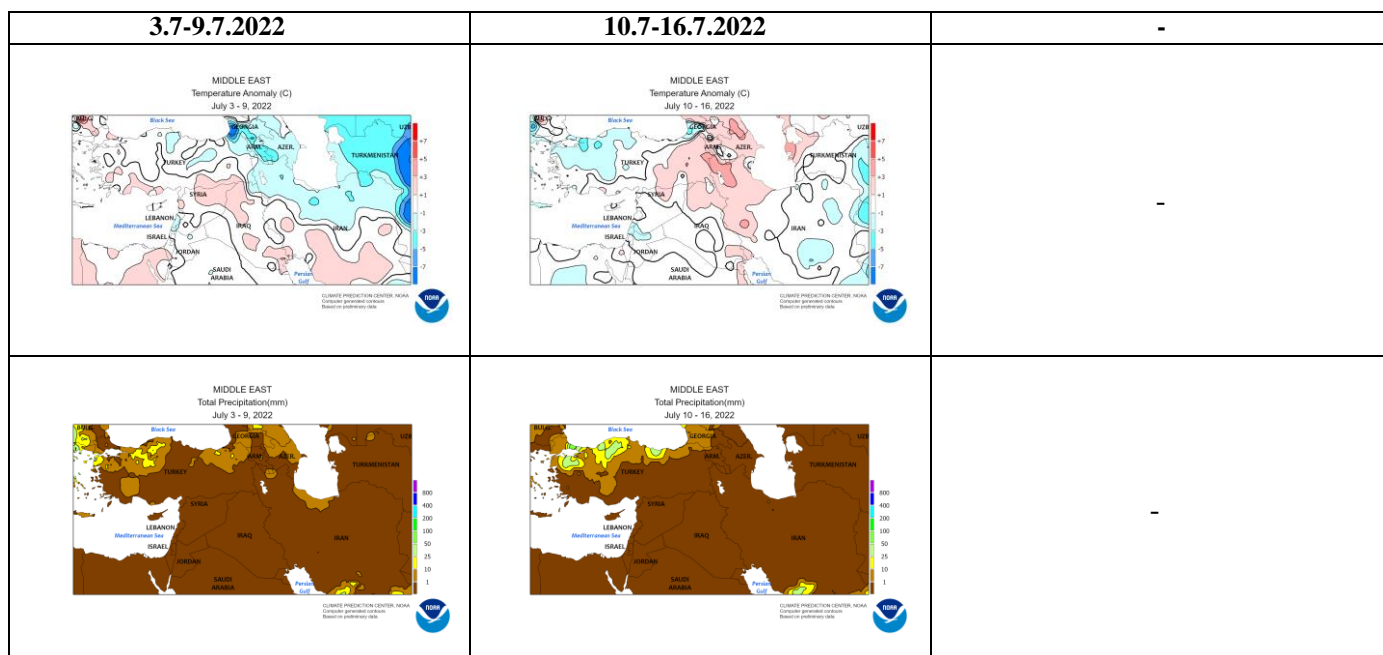


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

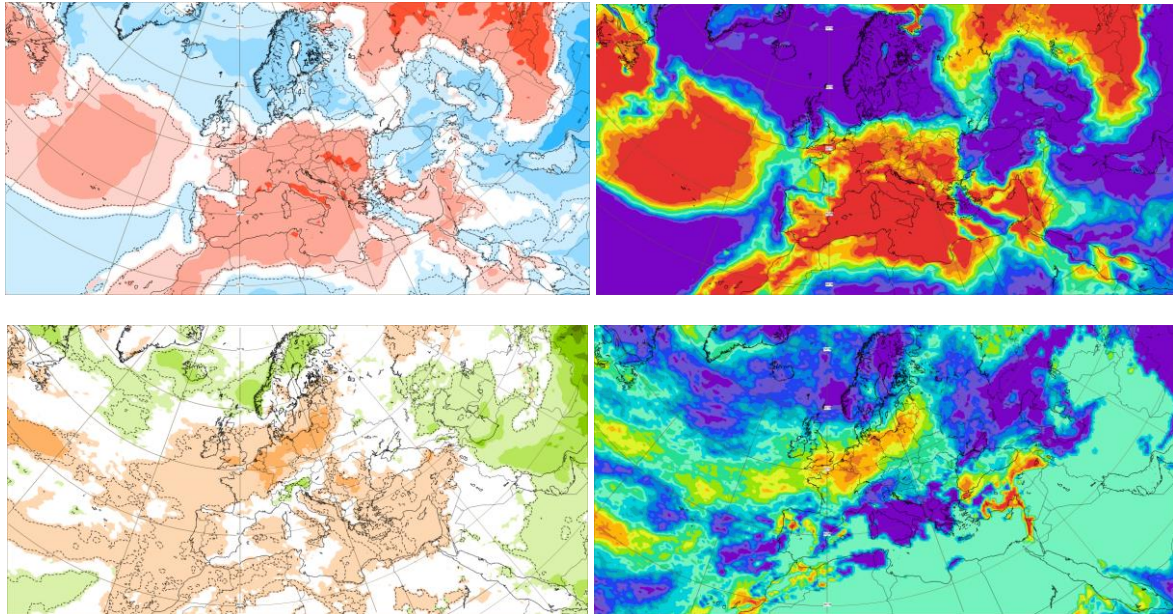


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 25.7–31.7.2022 period

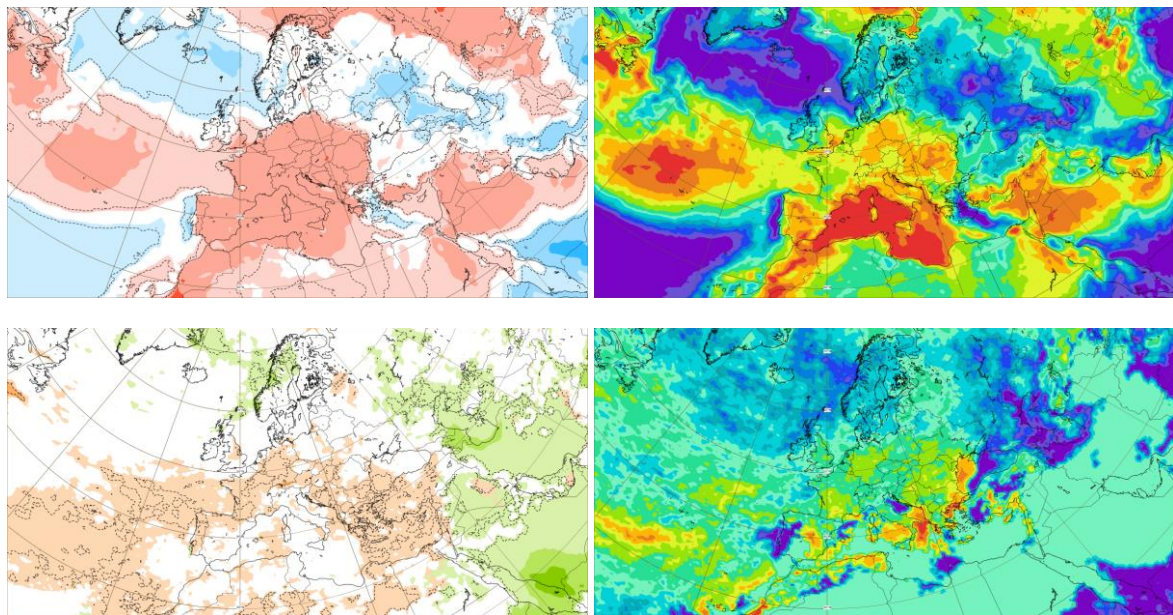


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 1.8–7.8.2022 period

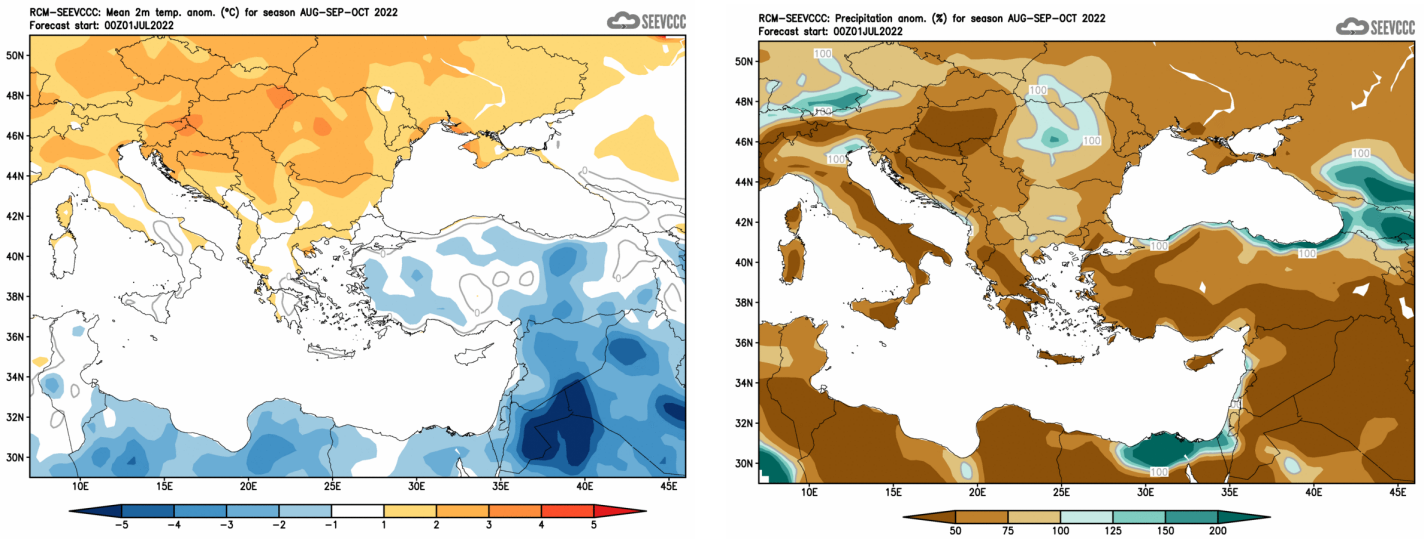


Figure 6. Mean seasonal temperature and precipitation anomaly for the season ASO (seasonal outlook from RCM – SEEVCCC)

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/>)