

Climate Watch (Serial No.: 20240701–27)

Initial/Updated/Final

Topic: **temperature, precipitation and drought**

Organization issuing SEEVCCC

the statement:

Issued/ Amended / 1-7-2024 16:00

Cancelled

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Valid from – to: 1-7-2024 – 30-9-2024

Next amendment: 8-7-2024

Region of concern: **Turkey, Greece, Bulgaria, Romania, Moldova, Ukraine, Cyprus, Georgia and Middle East**

„ Within the first week (1 to 7 July 2024), ECMWF monthly forecast predicts above normal mean weekly air temperature in the southern and eastern Balkans, Romania, Moldova, Ukraine, Cyprus, most of Turkey, western Georgia and Middle East, with anomaly up to +6 °C in eastern and southern Ukraine and northern Turkey, with above 90% probability for exceeding upper tercile. Precipitation surplus is expected along the Adriatic Sea coast, in the central Balkans, Carpathian region, western Ukraine and northeastern Turkey, with 90% probability for exceeding upper tercile over the Adriatic Sea and northeastern Turkey. Precipitation deficit is expected in southern Ukraine, central and southern Turkey, with up to 90% probability for exceeding lower tercile in central and southern Turkey. “

Monitoring

During the period from 22 to 29 June 2024, weekly precipitation sums were up to 75 mm in the Carpathian Mountains, around 50 mm in the central Balkans, northeastern Turkey and western Georgia, around 25 mm in the western Balkans, Pannonia Plain, western and central Ukraine. Precipitation totals were below 10 mm in rest of the SEECOF region.

Outlook

Within the first week (1 to 7 July 2024), ECMWF monthly forecast predicts above normal mean weekly air temperature in the southern and eastern Balkans, Romania, Moldova, Ukraine, Cyprus, most of Turkey, western Georgia and Middle East, with anomaly up to +6 °C in eastern and southern Ukraine and northern Turkey, with above 90% probability for exceeding upper tercile (top third of the highest temperature). Below normal mean weekly air temperature is expected in the northwestern Balkans, with anomaly up to -3 °C and up to 70% probability for exceeding lower tercile (bottom third of the lowest temperature). Precipitation surplus is expected along the Adriatic Sea coast, in the central Balkans, Carpathian region, western Ukraine and northeastern Turkey, with 90% probability for exceeding upper tercile (top third of the highest precipitation) over the Adriatic Sea and northeastern Turkey. Precipitation deficit is expected in southern Ukraine, central and southern Turkey, with up to 90% probability for exceeding lower tercile (bottom third of the lowest precipitation) in central and southern Turkey.

During the second week (8 to 14 July 2024), above average mean weekly air temperature is expected in almost the entire SEECOF region, with anomaly up to +3 °C, and even up to +6 °C in the eastern Balkans, Pannonia Plain and southern Ukraine. Probability for exceeding upper tercile (top third of the highest temperature) is up to 90%, over the south Adriatic, Ionian, Aegean, Black and East Mediterranean Sea, in the eastern Balkans, southern Ukraine, Cyprus and Israel. Precipitation surplus is forecasted in northeastern Turkey, with around 70% probability for upper tercile (top third of the highest precipitation). Precipitation deficit is predicted in the northern Balkans, Romania, Moldova and Ukraine, with around 60% probability for exceeding lower tercile (bottom third of the lowest precipitation).

During the following three months (July, August and September), seasonal forecast predicts above average seasonal air temperature in most parts of the Balkans, Ukraine, Romania and Moldova. Below average mean seasonal air temperature is expected in part of eastern and southern Turkey and most of Jordan. Precipitation surplus is expected in the Carpathians, northeastern Turkey and Georgia. Precipitation deficit is forecasted for Pannonian Plain, most of the Balkans, Moldova, most of Ukraine and most of Turkey.

Update

An updated statement will be issued on 8-7-2024

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

ANNEX

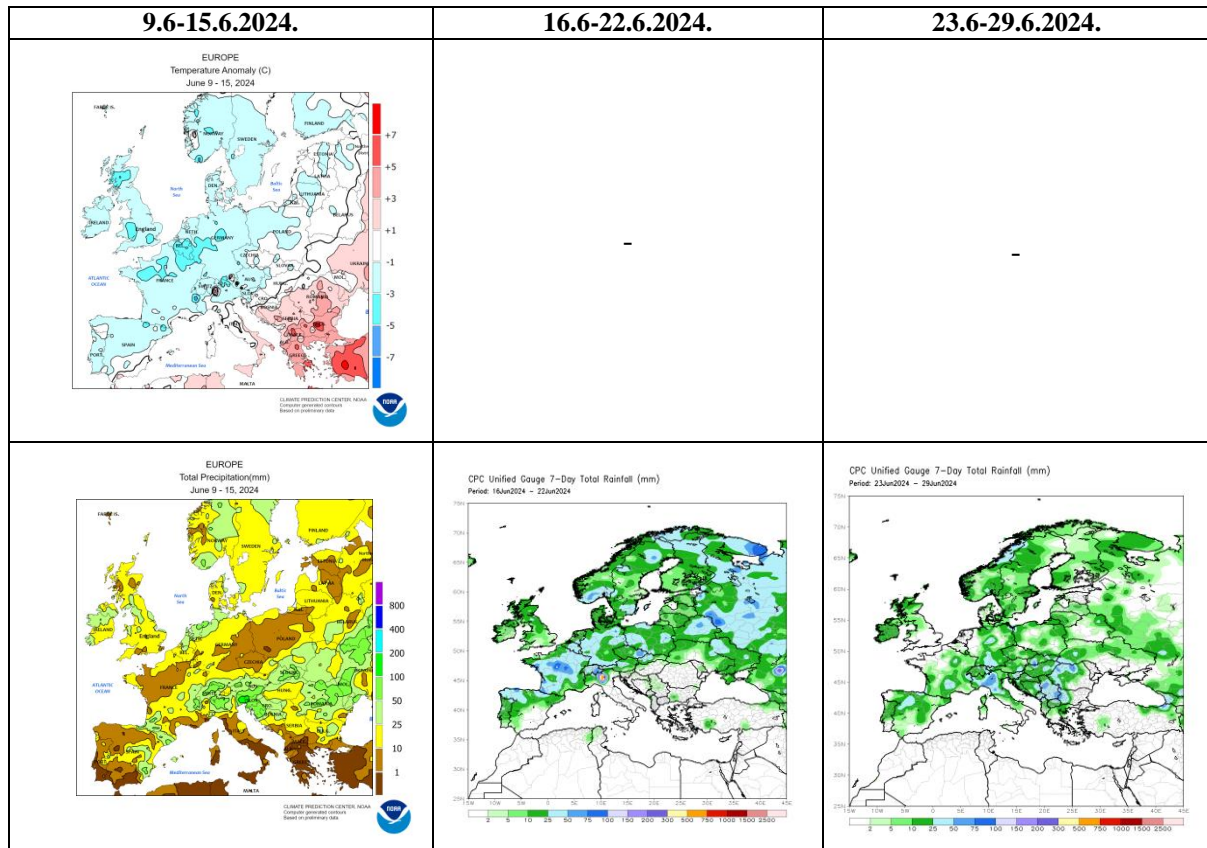


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

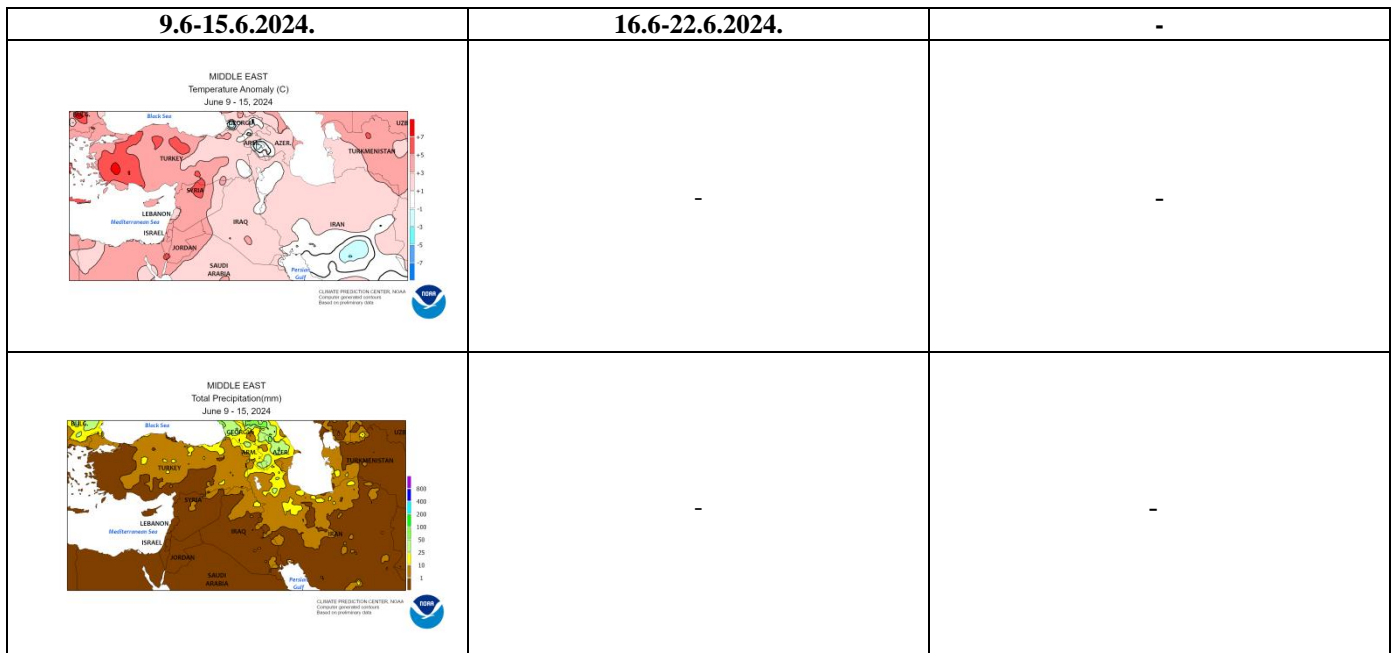


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

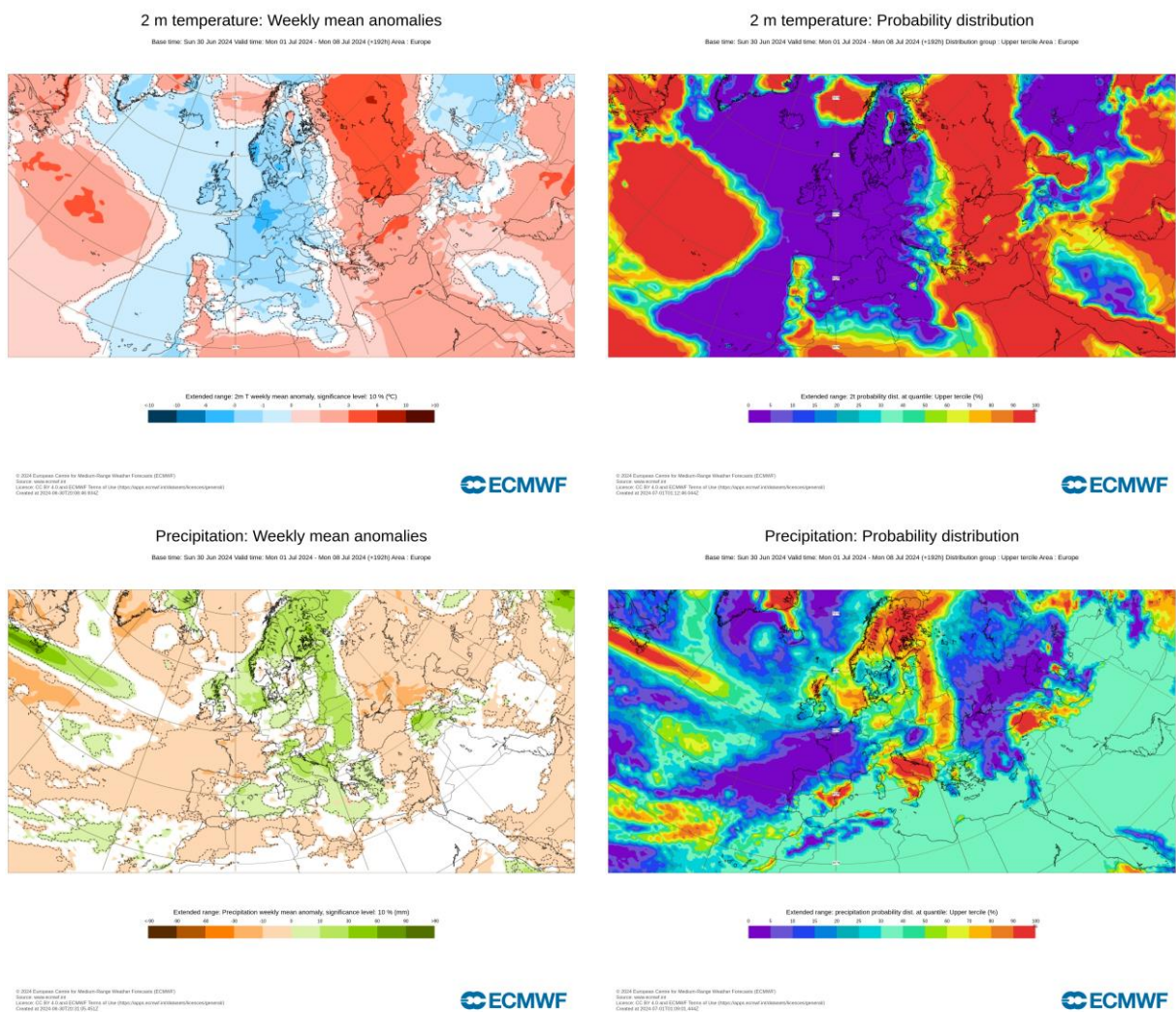


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 1–7.7.2024 period (source: European Centre for Medium-Range Weather Forecasts)

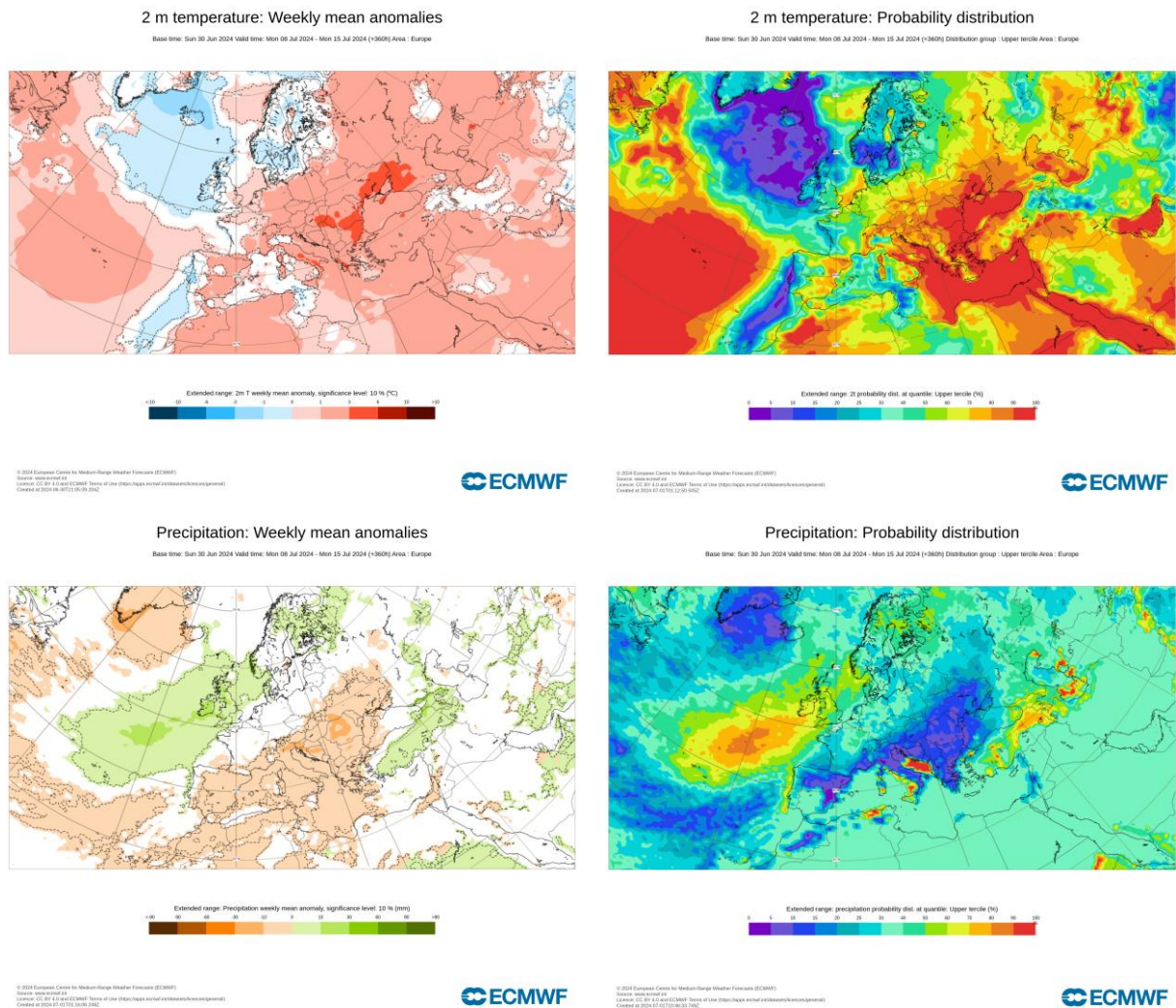


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 8–14.7.2024 period (source: European Centre for Medium-Range Weather Forecasts)

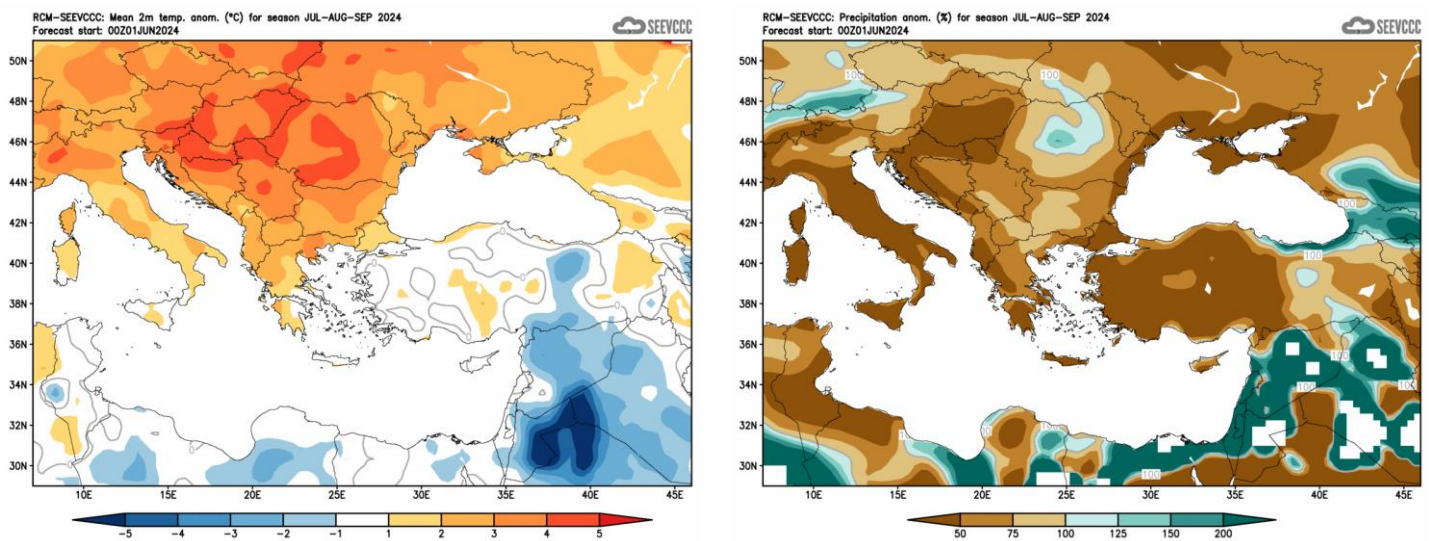


Figure 5. Mean seasonal temperature and precipitation anomaly for the season JAS (seasonal outlook from RCM – SEEVCCC)

Sources

- Republic Hydrometeorological Service of Serbia (www.hidmet.gov.rs)
- South East European Virtual Climate Change Center (www.seevccc.rs)
- European Centre 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>)