

Climate Watch (Serial No.: 20240722–30)

Initial/Updated/Final

Topic: **temperature, precipitation and drought**

Organization issuing
the statement: SEEVCCC

Issued/ Amended / 22-7-2024 16:00
Cancelled

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Valid from – to: 22-7-2024 – 31-10-2024 Next amendment: 22-7-2024

Region of concern: **SEE**

„ Within the first week (22 to 28 July 2024), ECMWF monthly forecast predicts above normal mean weekly air temperature in most of Ukraine, Aegean Sea, western and southern Turkey, with anomaly up to +3 °C. Probability for exceeding upper tercile (top third of the highest temperature) is 90%. Below normal temperature is expected in central Balkans with anomaly up to -3 °C and probability for exceeding lower tercile (bottom third of the lowest temperature) up to 70%. Precipitation surplus is expected in eastern and southern Balkans, as well as in northern and southern Turkey, with 90% probability for exceeding upper tercile (top third of the highest precipitation). “

Monitoring

During the period from 14 to 20 July 2024, weekly precipitation sums were up to 75 mm in northeastern Turkey, up to 50 in some parts of central Balkans. Precipitation totals were below 25 mm in rest of the SEECOF region.

Outlook

Within the first week (22 to 28 July 2024), ECMWF monthly forecast predicts above normal mean weekly air temperature in most of Ukraine, Aegean Sea, western and southern Turkey, with anomaly up to +3 °C. Probability for exceeding upper tercile (top third of the highest temperature) is 90%. Below normal temperature is expected in central Balkans with anomaly up to -3 °C and probability for exceeding lower tercile (bottom third of the lowest temperature) up to 70%. Precipitation surplus is expected in eastern and southern Balkans, as well as in northern and southern Turkey, with 90% probability for exceeding upper tercile (top third of the highest precipitation).

During the second week (29 July to 4 August 2024), above average mean weekly air temperature is expected along the Adriatic, in southern and eastern Balkans, western Turkey and Cyprus, with anomaly up to +3 °C. Probability for exceeding upper tercile (top third of the highest temperature) is up to 80%. Precipitation deficit is predicted in western Ukraine and Romania, northern and eastern Serbia, southern Greece and northern parts of Turkey, with up to 70% probability for exceeding lower tercile (bottom third of the lowest precipitation).

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

Update

An updated statement will be issued on 29-7-2024

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

ANNEX

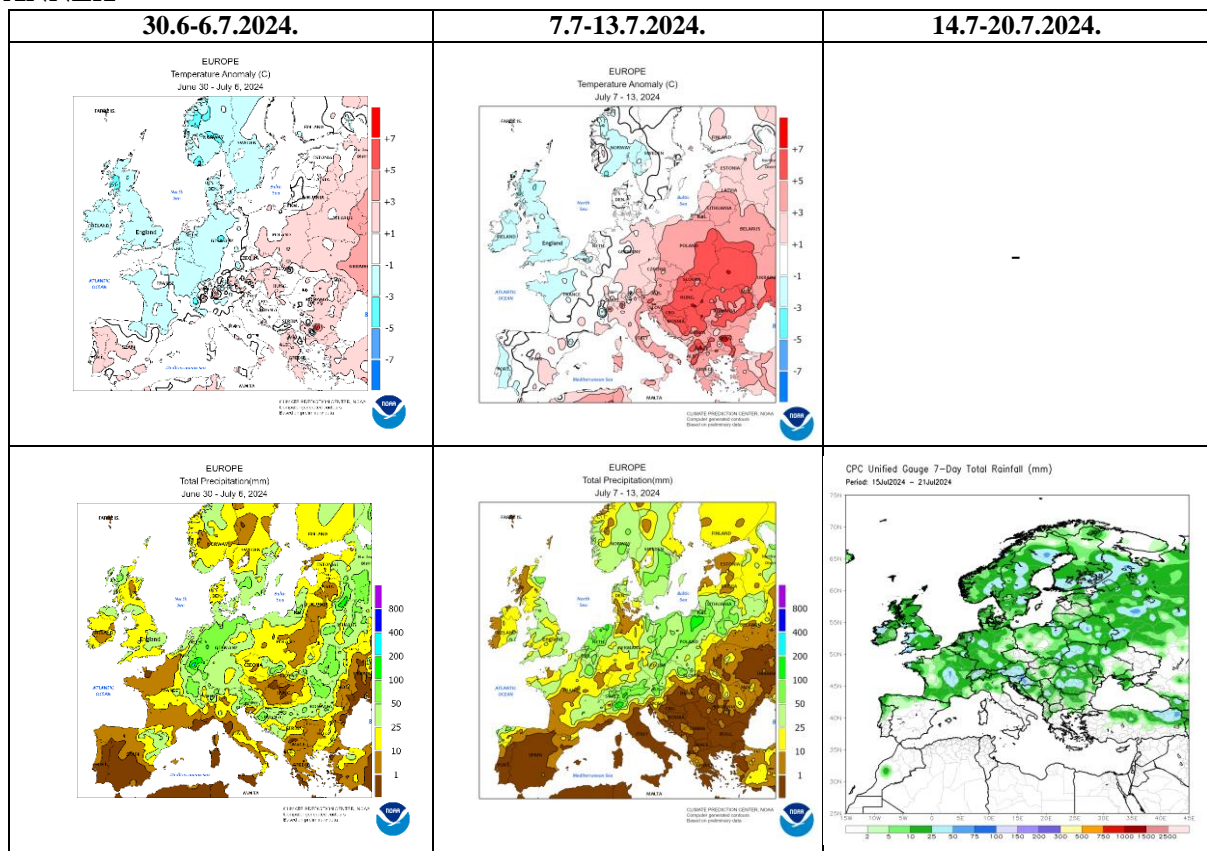


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

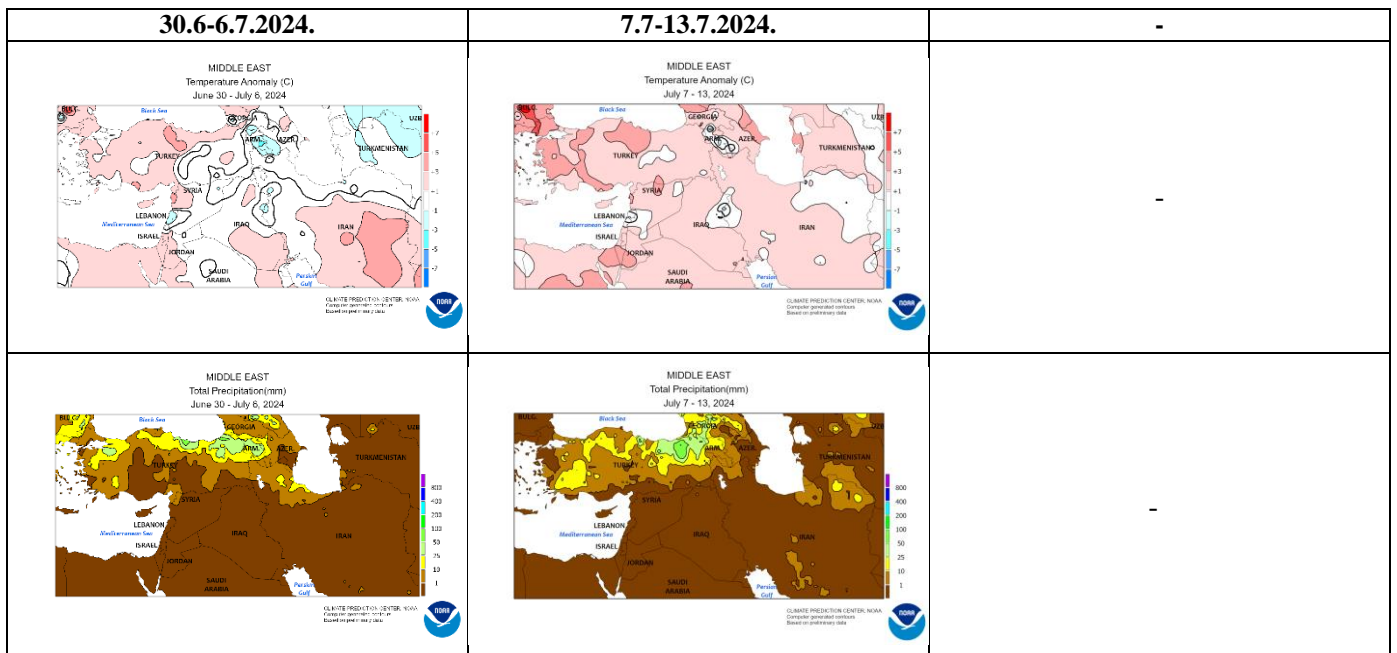


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

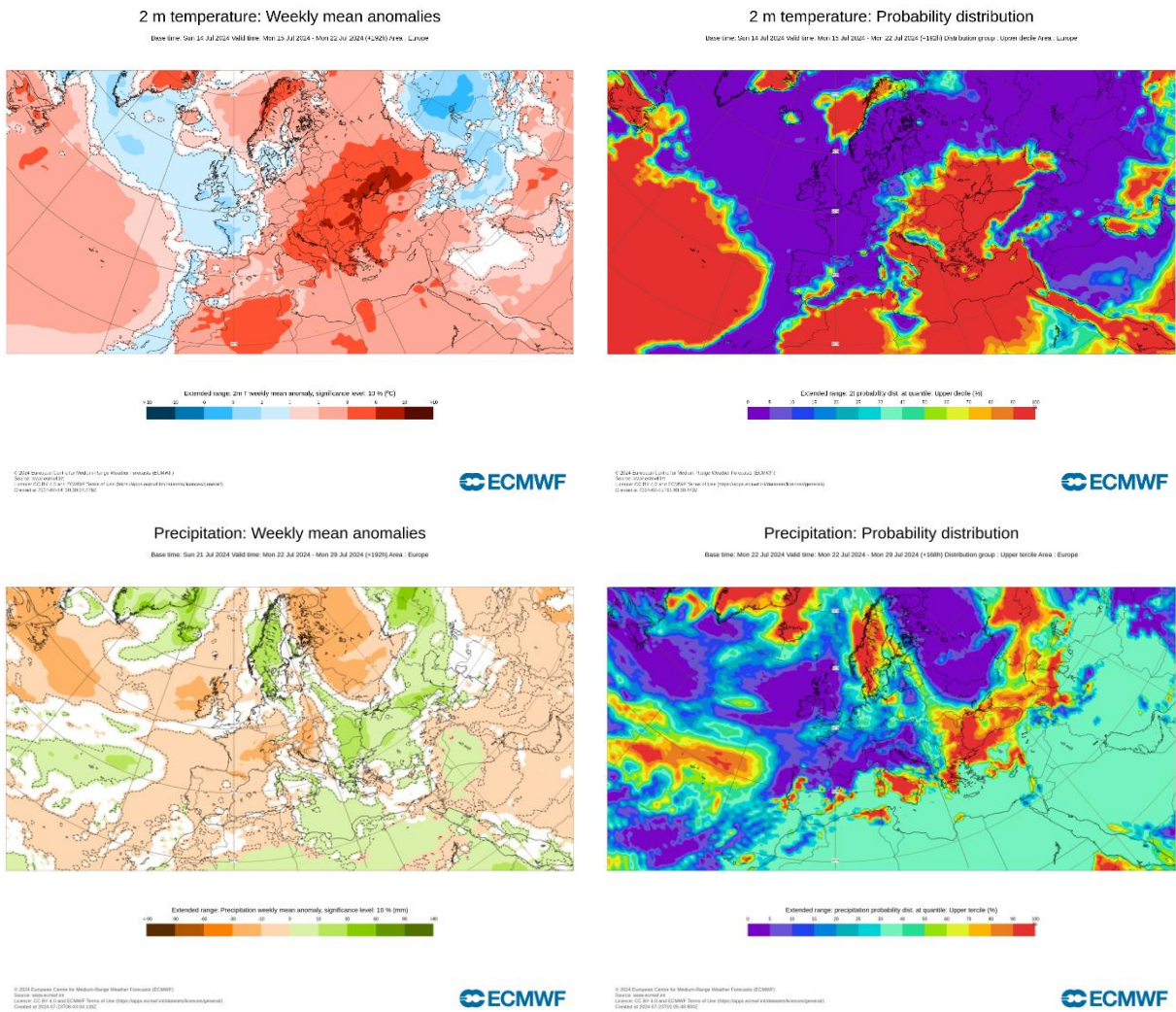


Figure 3. Outlook for the temperature anomalies and probability for the upper decile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 22–28.7.2024 period (source: European Centre for Medium-Range Weather Forecasts)

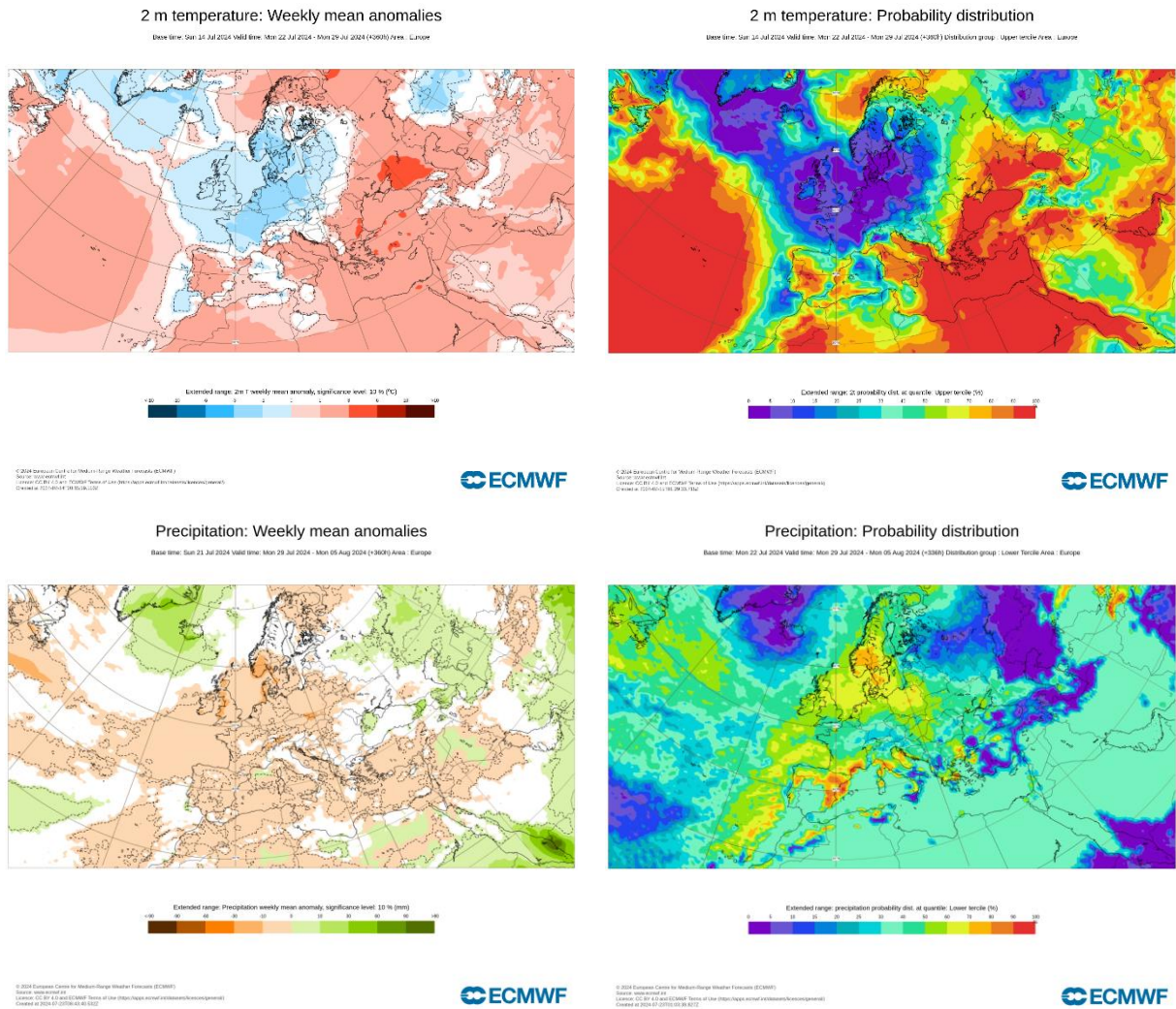


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 29.7–4.8.2024 period (source: European Centre for Medium-Range Weather Forecasts)

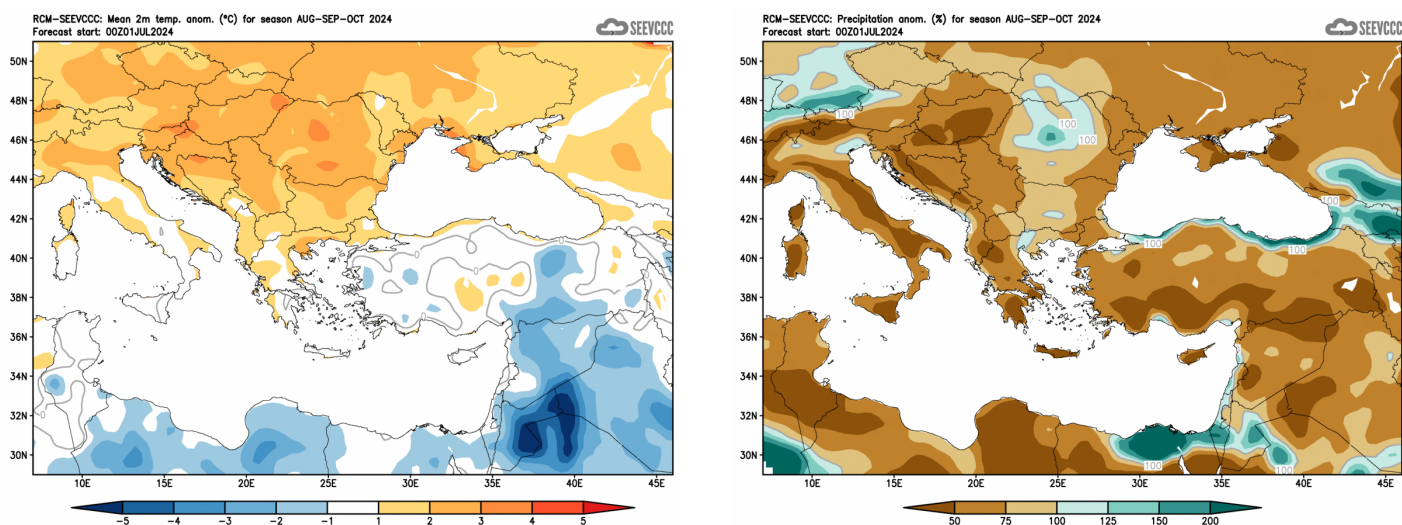


Figure 5. Mean seasonal temperature and precipitation anomaly for the season ASO (seasonal outlook from RCM – SEEVCCC)

Sources

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