

Topic: **temperature, precipitation and drought**

Organization issuing

the statement: SEEVCCC

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Cancelled

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Valid from – to: 5-8-2024 – 31-10-2024

Next amendment: 12-8-2024

Region of concern: **Balkans, Romania, Cyprus, Ukraine, Turkey, Middle East**

„ Within the first week (5 to 11 August 2024), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly around +3 °C in most of the Balkans, southwestern and southern Turkey, as well as around +1 °C anomaly in Cyprus and Middle East. Probability for exceeding upper tercile is up to 90% in the northwestern and southern Balkans, Cyprus, Turkey and Middle East. Below normal temperature is expected northeastern Ukraine, with anomaly up to –3 °C and up to 90% probability for exceeding lower tercile. Precipitation deficit is expected in the western and northern Balkans, with up to 90% probability for exceeding lower tercile. Precipitation surplus is forecasted for the Black Sea coast of the Balkans, with up to 90% probability for exceeding upper tercile. During the second week (12 to 18 August 2024), above average mean weekly air temperature, with anomaly up to +3 °C is expected in the western and central Ukraine, Cyprus, western and southern Turkey and Middle East, while anomaly up to +6 °C is expected in the Balkans. Probability for exceeding upper tercile is up to 90% in the Balkans, Cyprus and Israel. Precipitation deficit is predicted in central, southern and eastern Balkans, as well as parts of northern Turkey, with around 70% probability for exceeding lower tercile and up to 90% in Greece. “

Monitoring

During the period from 28 July to 3 August 2024, weekly precipitation sums were around 50 mm in the northwestern Balkans, around 25 mm in northwestern Ukraine, and around 10 mm in some parts of central Balkans, northern Ukraine, northeastern Turkey and South Caucasus. Precipitation totals were below 5 mm in rest of the SEECOF region.

Outlook

Within the first week (5 to 11 August 2024), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly around +3 °C in most of the Balkans, southwestern and southern Turkey, as well as around +1 °C anomaly in Cyprus and Middle East. Probability for exceeding upper tercile (top third of the highest temperature) is up to 90% in the northwestern and southern Balkans, Cyprus, Turkey and Middle East. Below normal temperature is expected northeastern Ukraine, with anomaly up to -3 °C and up to 90% probability for exceeding lower tercile (bottom third of the lowest temperature). Precipitation deficit is expected in the western and northern Balkans, with up to 90% probability for exceeding lower tercile (bottom third of the lowest precipitation). Precipitation surplus is forecasted for the Black Sea coast of the Balkans, with up to 90% probability for exceeding upper tercile (top third of the highest precipitation).

During the second week (12 to 18 August 2024), above average mean weekly air temperature, with anomaly up to +3 °C is expected in the western and central Ukraine, Cyprus, western and southern Turkey and Middle East, while anomaly up to +6 °C is expected in the Balkans. Probability for exceeding upper tercile (top third of the highest temperature) is up to 90% in the Balkans, Cyprus and Israel. Below normal temperature is forecasted for the central and eastern parts of South Caucasus, with anomaly up to -3 °C and up to 80% probability for exceeding lower tercile (bottom third of the lowest temperature). Precipitation deficit is predicted in central, southern and eastern Balkans, as well as parts of northern Turkey, with around 70% probability for exceeding lower tercile (bottom third of the lowest precipitation) and up to 90% in Greece.

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 12-8-2024

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

ANNEX

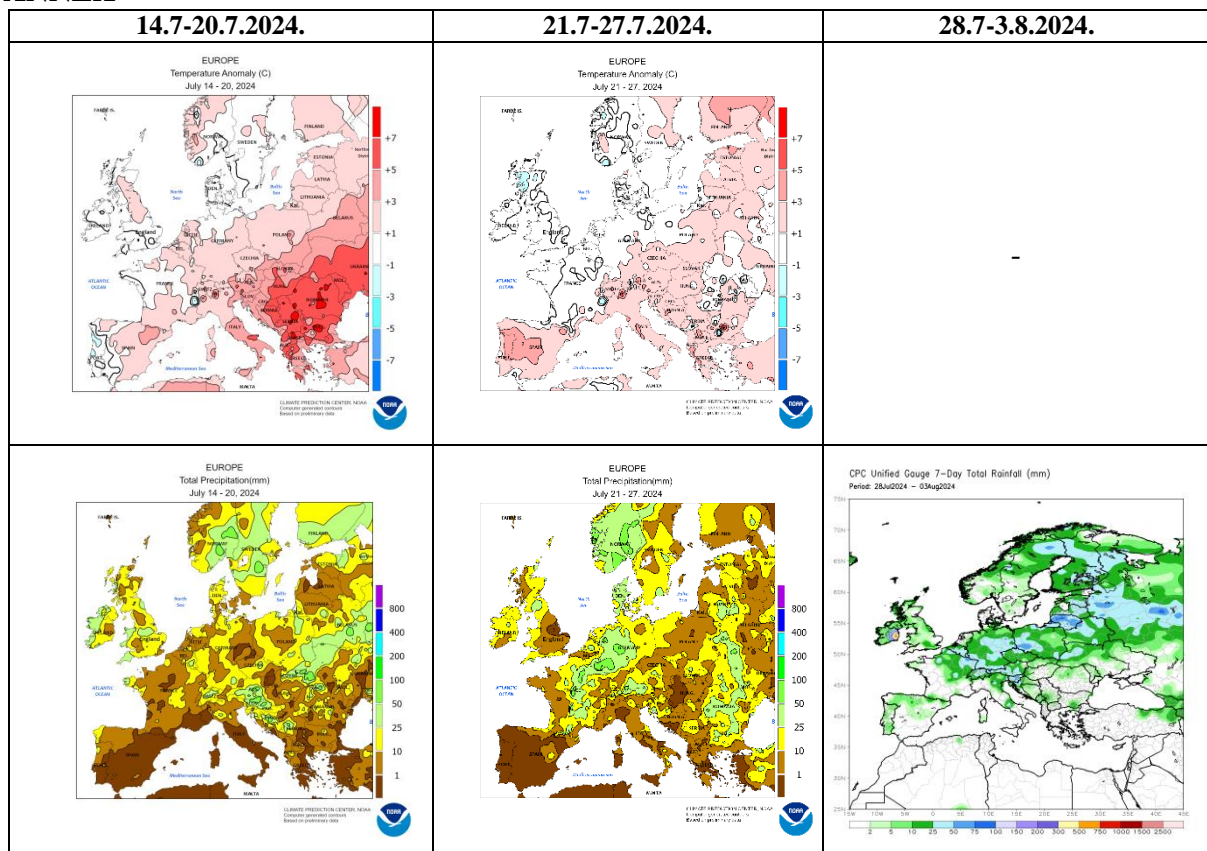


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

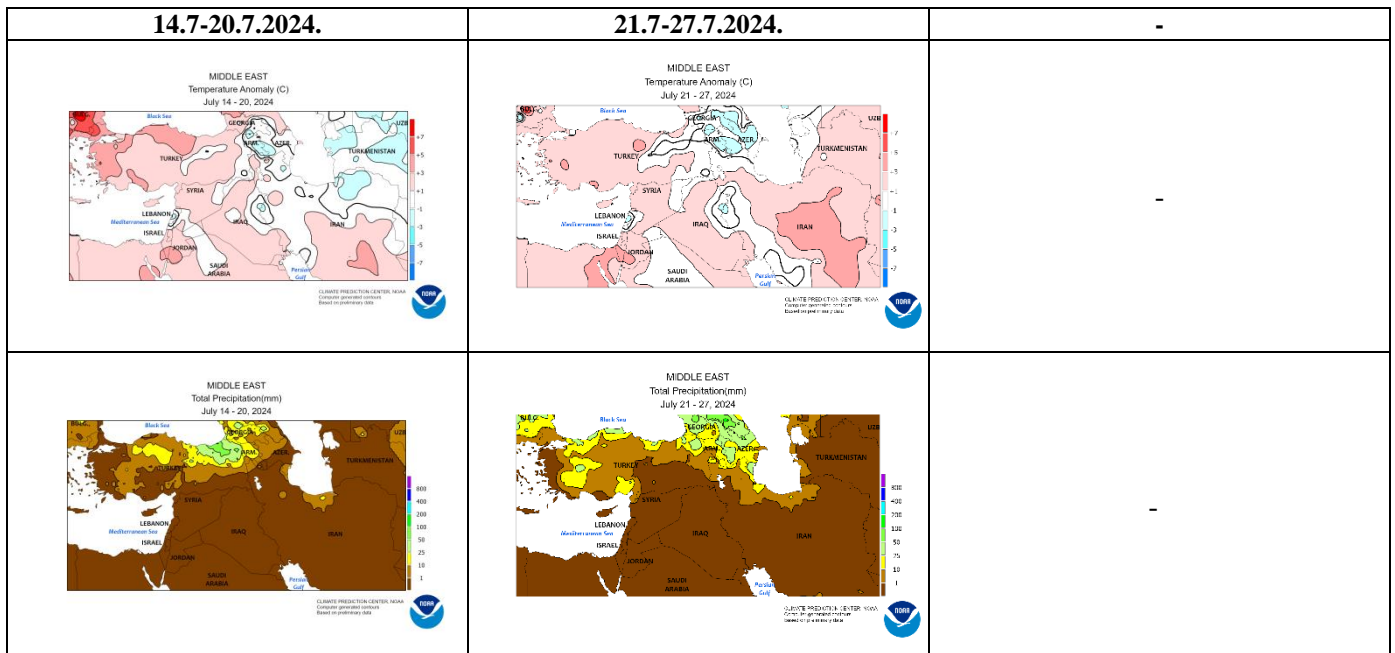


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

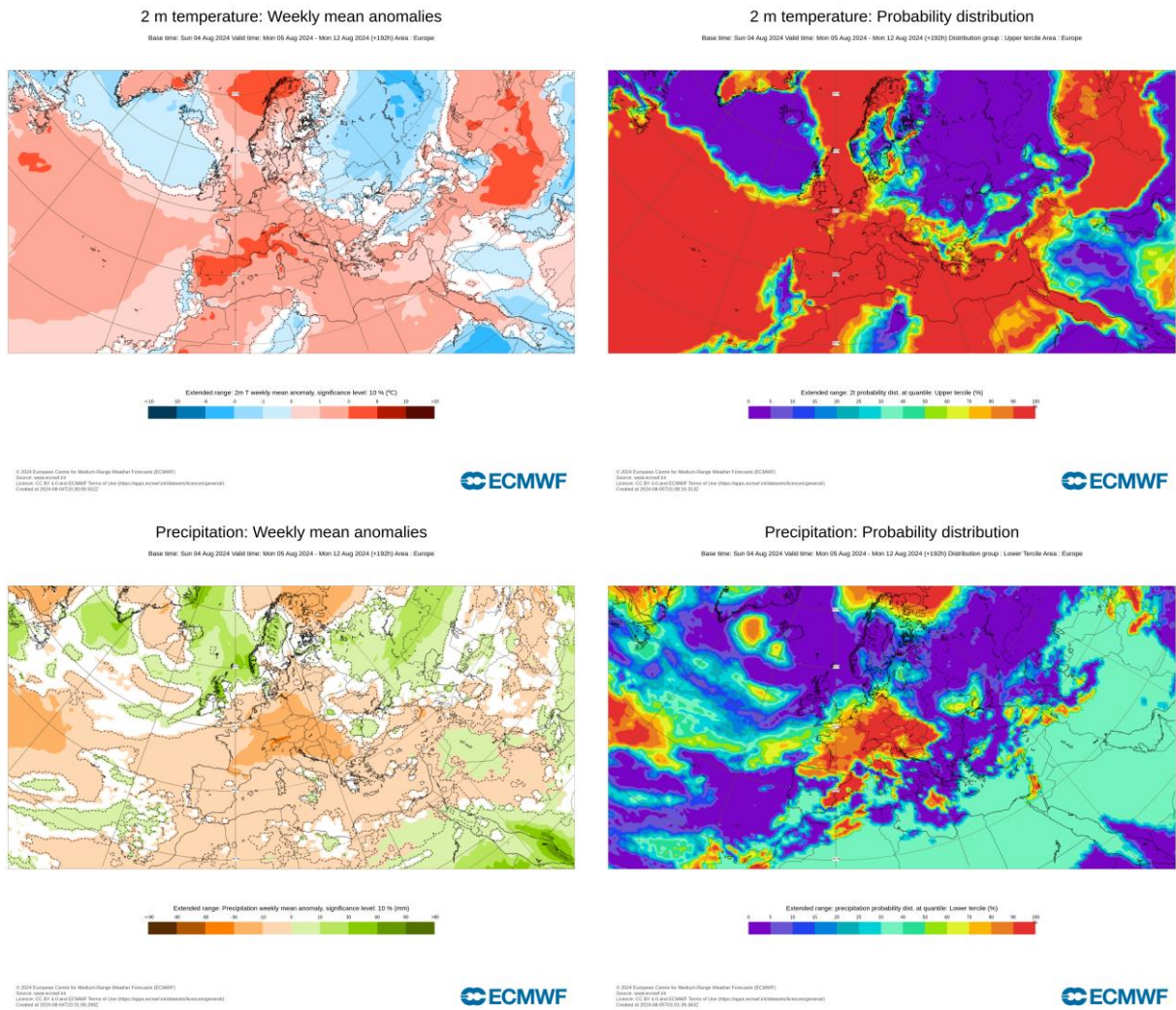


Figure 3. Outlook for the temperature anomalies and probability for the upper decile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 5–11.8.2024 period (source: European Centre for Medium-Range Weather Forecasts)

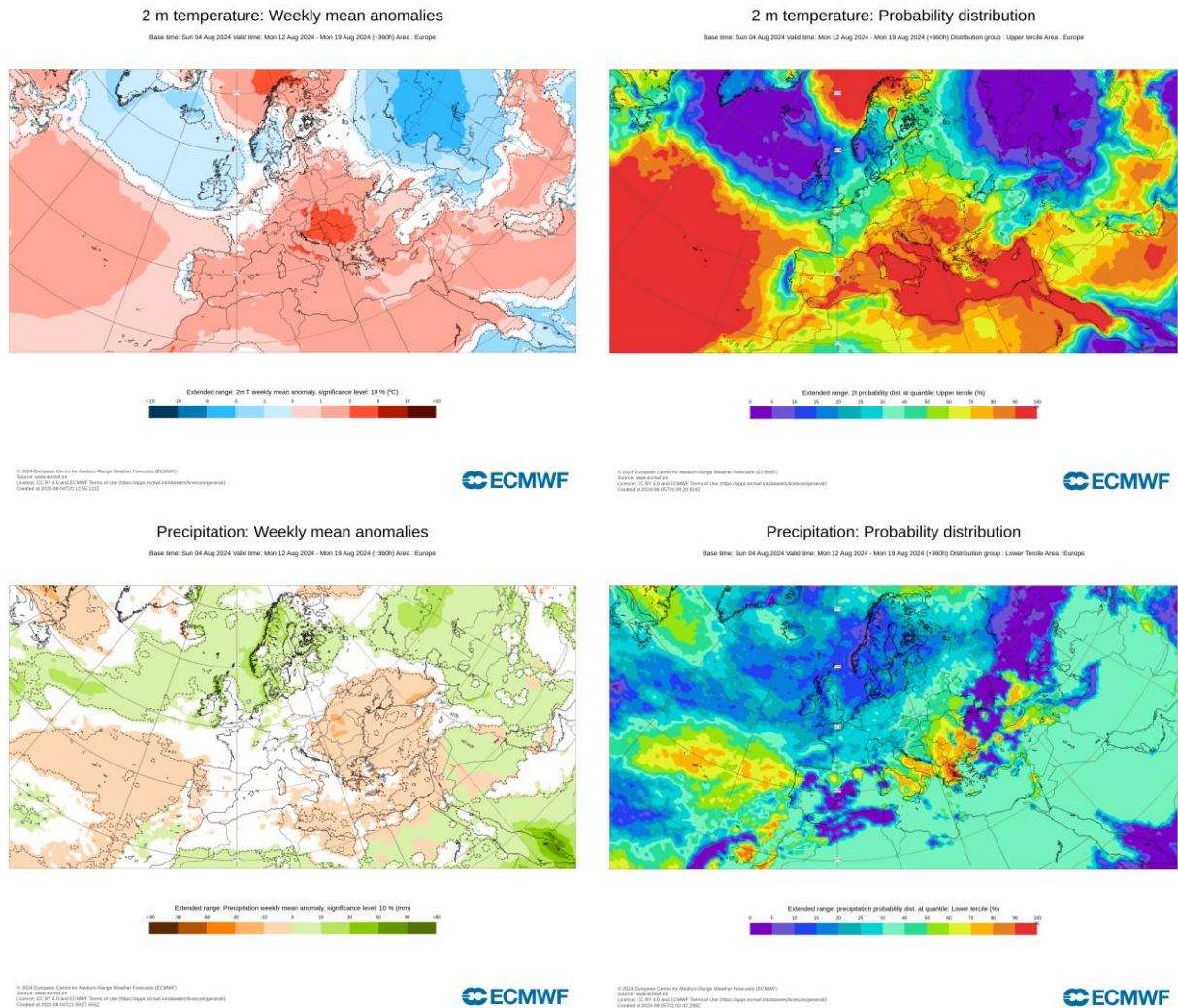


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 12–18.8.2024 period (source: European Centre for Medium-Range Weather Forecasts)

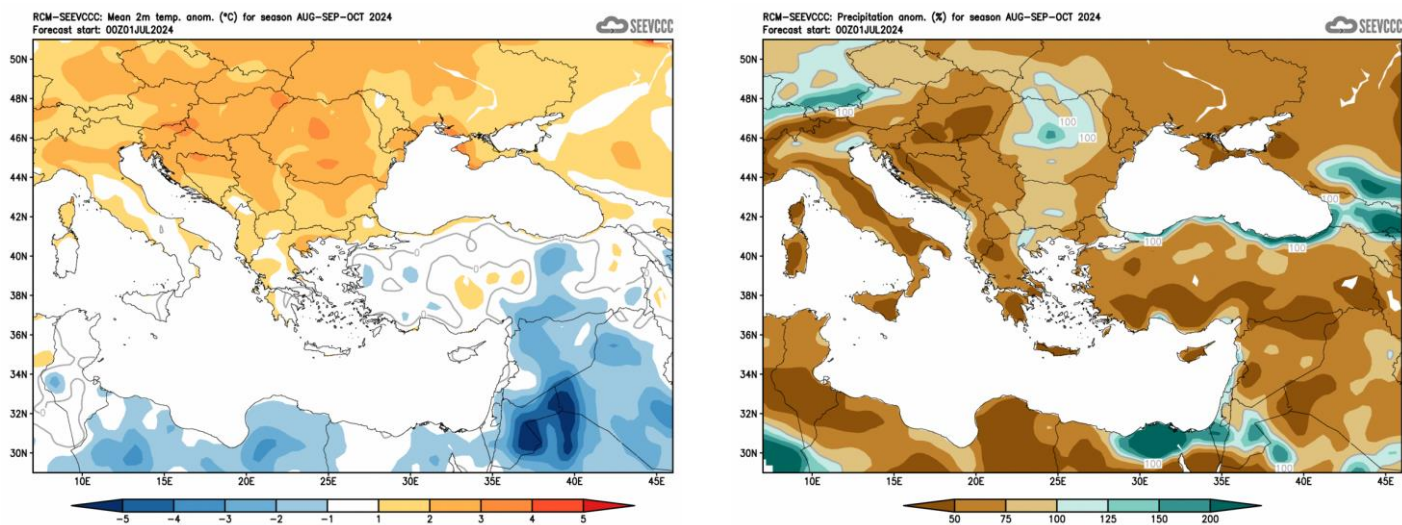


Figure 5. Mean seasonal temperature and precipitation anomaly for the season ASO (seasonal outlook from RCM – SEEVCCC)

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>)