

Climate Watch (Serial No.: 20240826–35)

Initial/Updated/Final

Topic: **temperature, precipitation and drought**

Organization issuing

the statement: SEEVCCC

Issued/ Amended / 26-8-2024 16:00

Cancelled

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Valid from – to: 26-8-2024 – 30-11-2024

Next amendment: 2-9-2024

Region of concern: **SEE**

„ Within the first week (26 August to 1 September 2024), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly from +1°C up to +6°C in most of the Balkans. Probability for exceeding upper tercile (top third of the highest temperature) is above 90%. Temperature below normal with anomaly up to -3°C is expected in most of Turkey, with around 80% probability for exceeding lower tercile (bottom third of the lowest temperature). Precipitation surplus is forecasted for central, southern and eastern Balkans and western and central Turkey with around 90% probability for exceeding upper tercile (top third of the highest precipitation). “

Monitoring

During the period from 18 to 24 August 2024, weekly precipitation sums up to 50 mm were recorded in the southern Balkans and along the northern Adriatic. In rest of the region precipitation totals were below 25 mm.

Outlook

Within the first week (26 August to 1 September 2024), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly from +1°C up to +6°C in most of the Balkans. Probability for exceeding upper tercile (top third of the highest temperature) is above 90%. Temperature below normal with anomaly up to -3°C is expected in most of Turkey, with around 80% probability for exceeding lower tercile (bottom third of the lowest temperature). Precipitation surplus is forecasted for central, southern and eastern Balkans and western and central Turkey with around 90% probability for exceeding upper tercile (top third of the highest precipitation).

During the second week (2 to 8 September 2024), above average mean weekly air temperature, with anomaly up to +3°C is expected in most of the region, while up to +6°C is expected in northern Balkans. Probability for exceeding upper tercile (top third of the highest temperature) is up to 80%. Precipitation surplus is expected in southern Balkans and western Turkey, with around 80% probability for exceeding upper tercile (top third of the highest precipitation). In rest of the region average precipitation is expected.

During the following three months (September, October and November), seasonal forecast predicts above average seasonal air temperature in the northwestern and part of central Balkans, central Romania and western Ukraine. Below average mean seasonal air temperature is expected in parts of southeastern and central Turkey, Jordan and most of Israel and Syria. Precipitation surplus is expected in the Carpathians, northern Turkey and eastern and westernmost Georgia. Precipitation deficit is forecasted for rest of the region.

Update

An updated statement will be issued on 2-9-2024

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

ANNEX

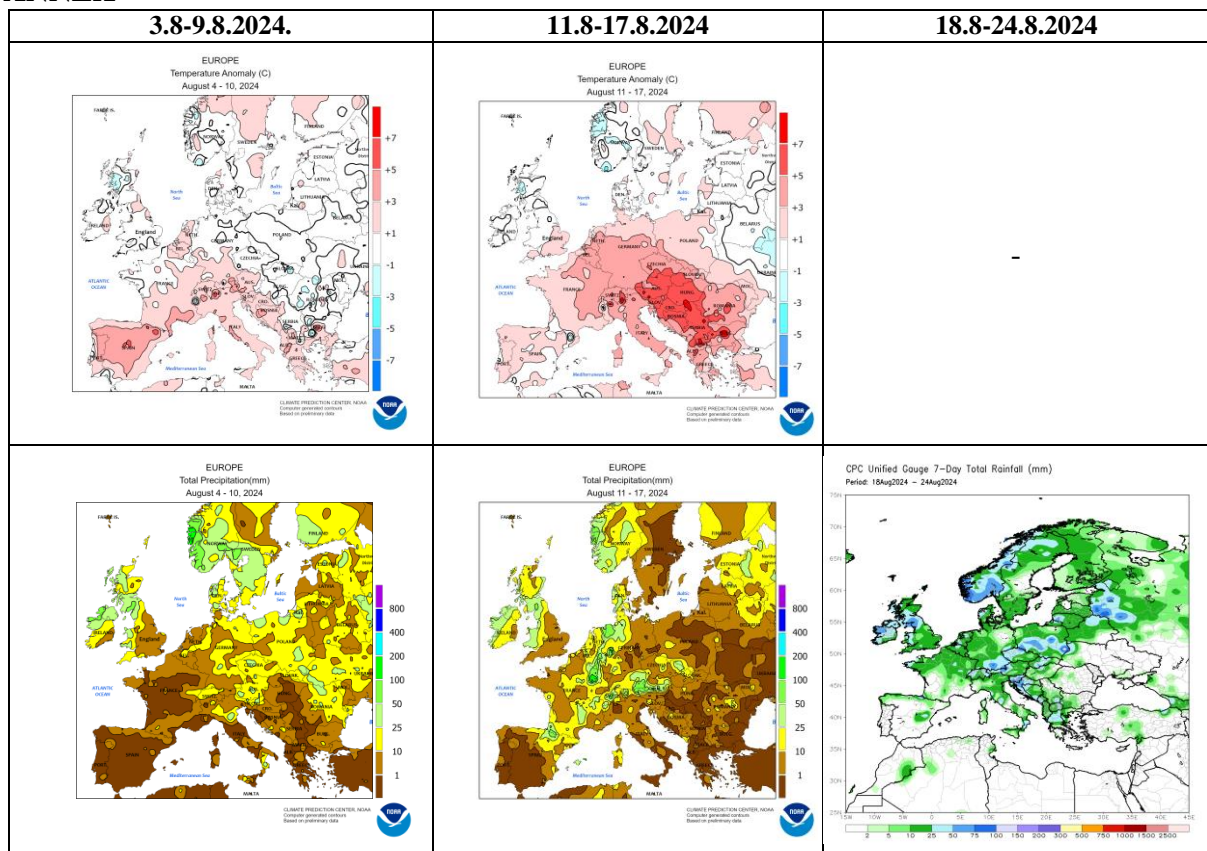


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

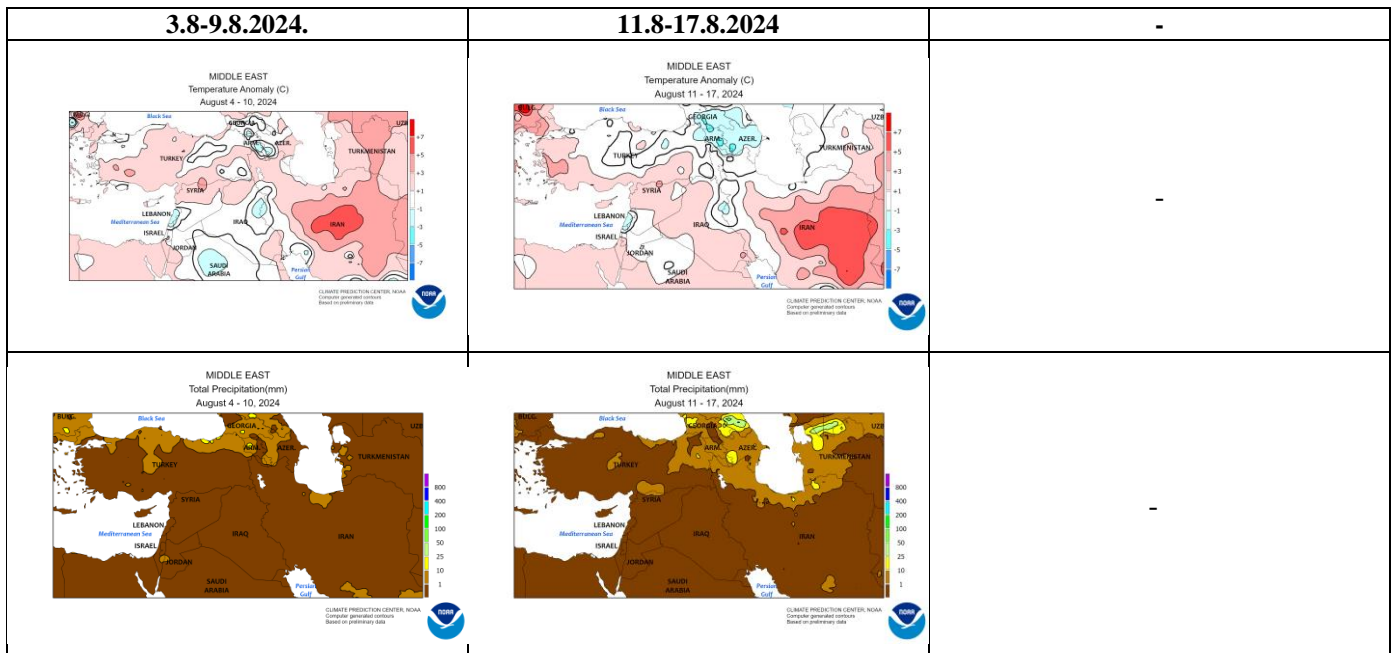


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

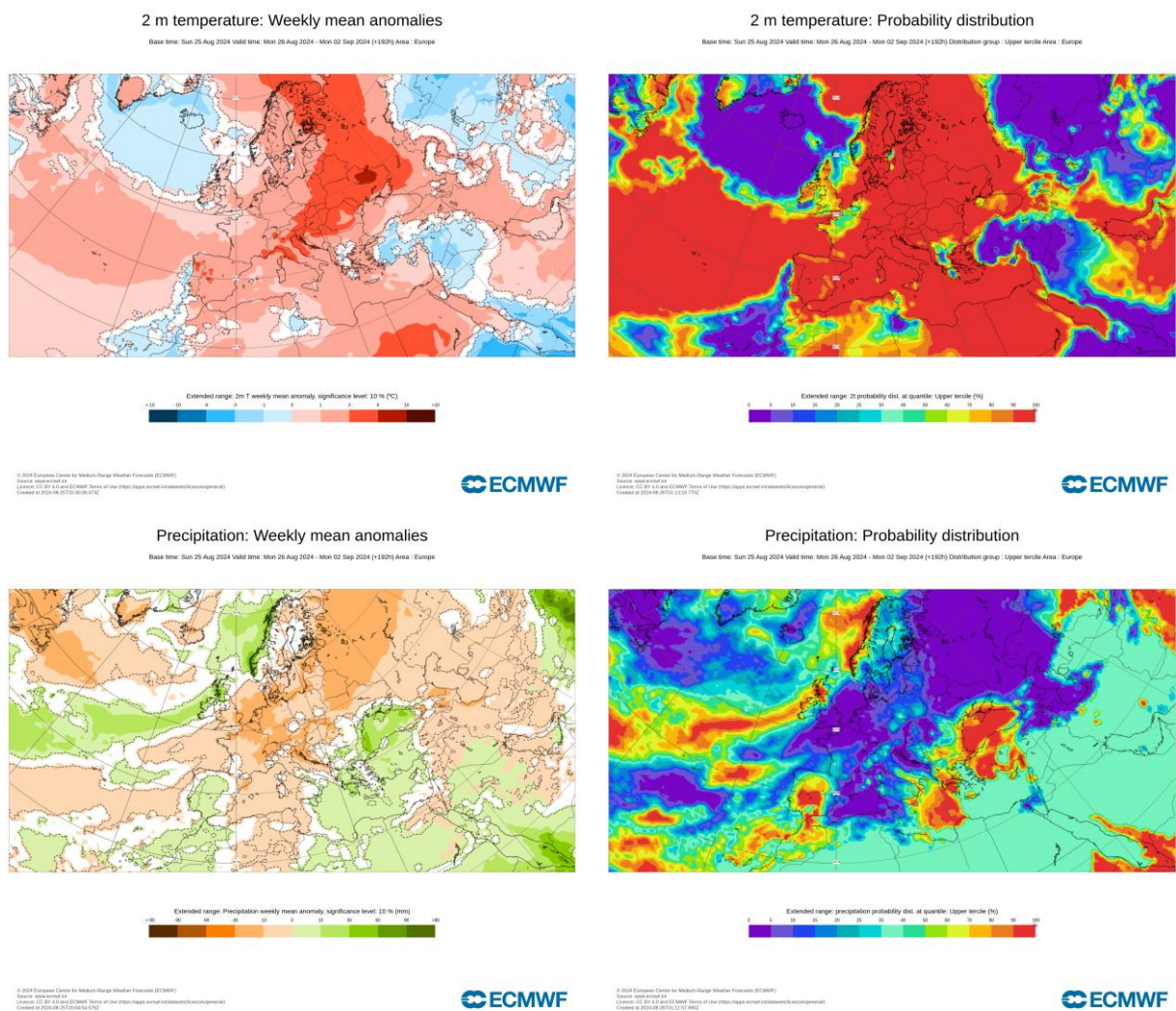


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 26.8–1.9.2024 period (source: European Centre for Medium-Range Weather Forecasts)

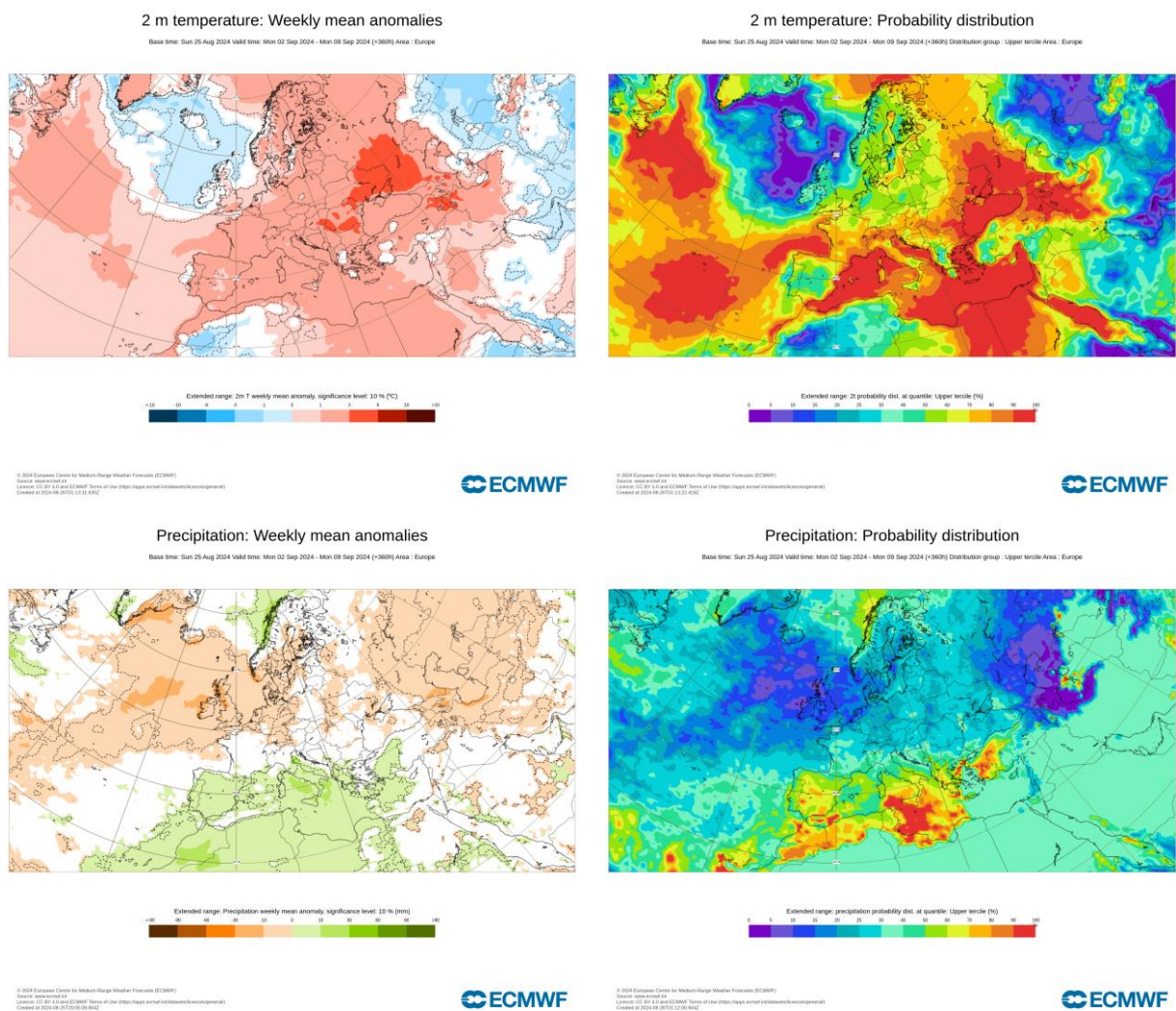


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 2.9–8.9.2024 period (source: European Centre for Medium-Range Weather Forecasts)

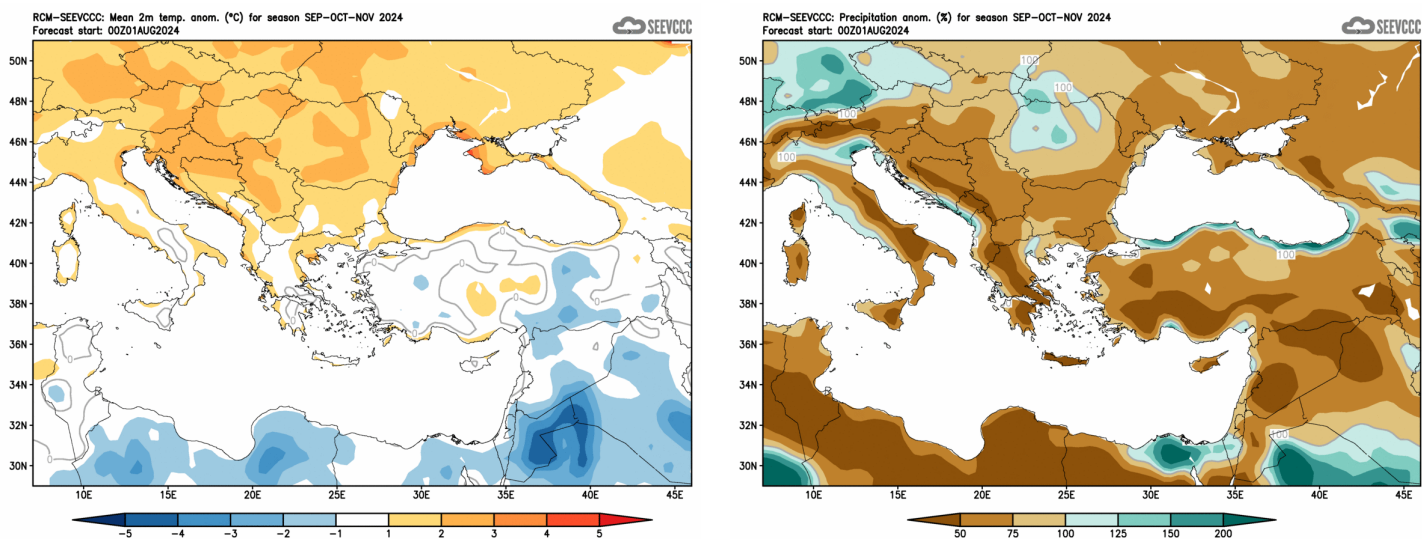


Figure 5. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook from RCM – SEEVCCC)

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>)