

Climate Watch (Serial No.: 20250505-18)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing
the statement: SEEVCCC

Issued/ Amended / 5-5-2025 16:00
Cancelled

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Valid from – to: 5-5-2025 – 31-7-2025 Next amendment: 12-5-2025

Region of concern: **precipitation: central, western and eastern parts of the Balkans**

„ Within the first week (5 to 11 May 2025), ECMWF monthly forecast predicts above normal mean weekly air temperature in the southern and eastern Balkans, Turkey and South Caucasus, with anomaly up to +6°C. Probability for exceeding upper tercile (top third of the highest temperature) is up to 90%. Precipitation surplus is expected in the central, western and eastern parts of the Balkans, with up to 90% probability for exceeding upper tercile (top third of the highest precipitation). Precipitation deficit is forecasted for Turkey, with up to 90% probability for exceeding lower tercile (bottom third of the lowest precipitation). “

Monitoring

During the period from 27 April to 3 May 2025, observed weekly precipitation sums were around 50 mm in the some parts of southwestern and central Turkey, while in rest of the region weekly precipitation totals were below 25 mm.

Outlook

Within the first week (5 to 11 May 2025), ECMWF monthly forecast predicts above normal mean weekly air temperature in the southern and eastern Balkans, Turkey and South Caucasus, with anomaly up to +6°C. Probability for exceeding upper tercile (top third of the highest temperature) is up to 90%. Precipitation surplus is expected in the central, western and eastern parts of the Balkans, with up to 90% probability for exceeding upper tercile (top third of the highest precipitation). Precipitation deficit is forecasted for Turkey, with up to 90% probability for exceeding lower tercile (bottom third of the lowest precipitation).

During the second week (12 April to 18 May 2025), above average mean weekly air temperature is forecasted for eastern Turkey and South Caucasus, with anomaly up to +6°C and probability around 80% for exceeding upper tercile (upper third of the highest temperature). Temperature below normal is predicted for the most of the Balkans, with anomaly up to -3°C and probability around 60% for exceeding lower tercile (bottom third of the lowest precipitation). Precipitation surplus is expected in the Balkans and western Turkey, with up to 70% probability for exceeding upper tercile (top third of the highest precipitation).

During the following three months (May, June and July), seasonal forecast predicts above average seasonal air temperature in the entire SEECOF region. Precipitation surplus is expected in scattered locations in Ukraine and the southwestern Balkans, while deficit is forecasted for most of Turkey, South Caucasus and Middle East.

Update

An updated statement will be issued on 12-5-2025

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

ANNEX

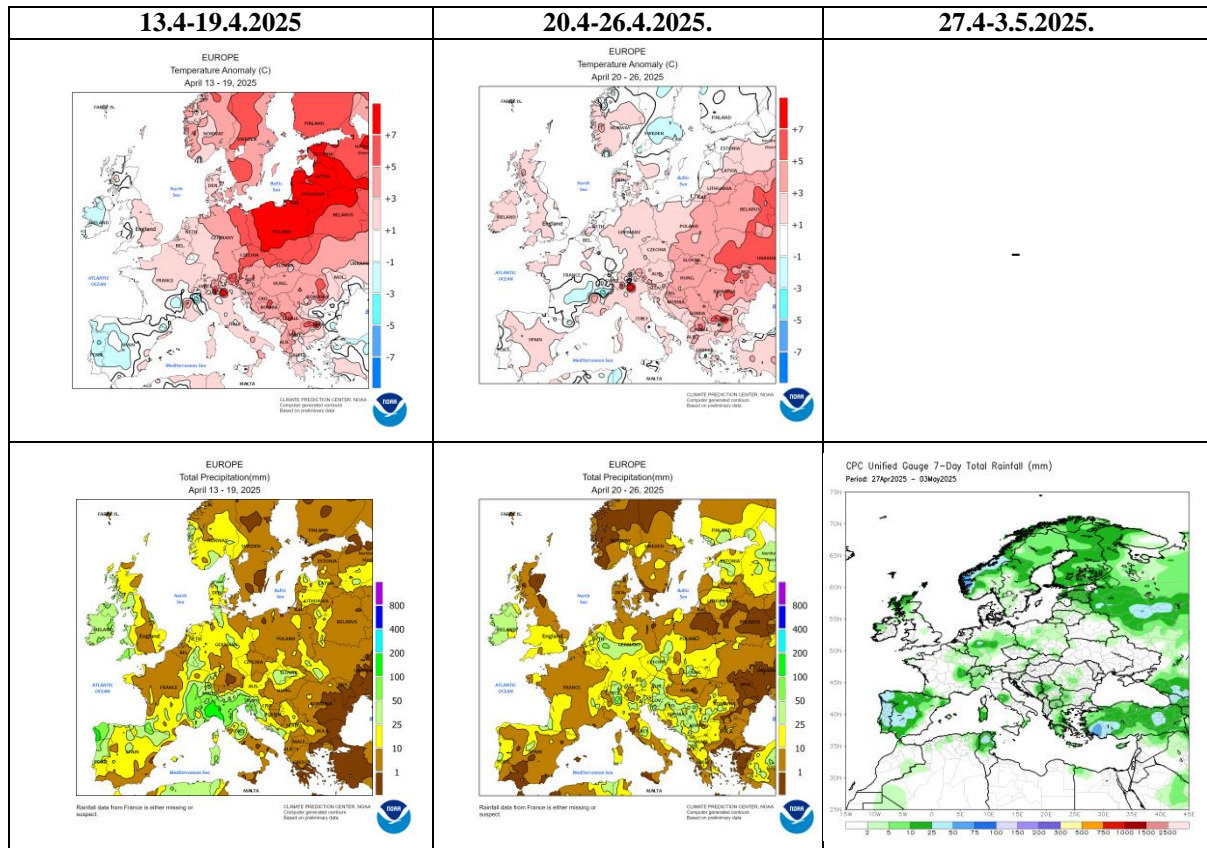


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

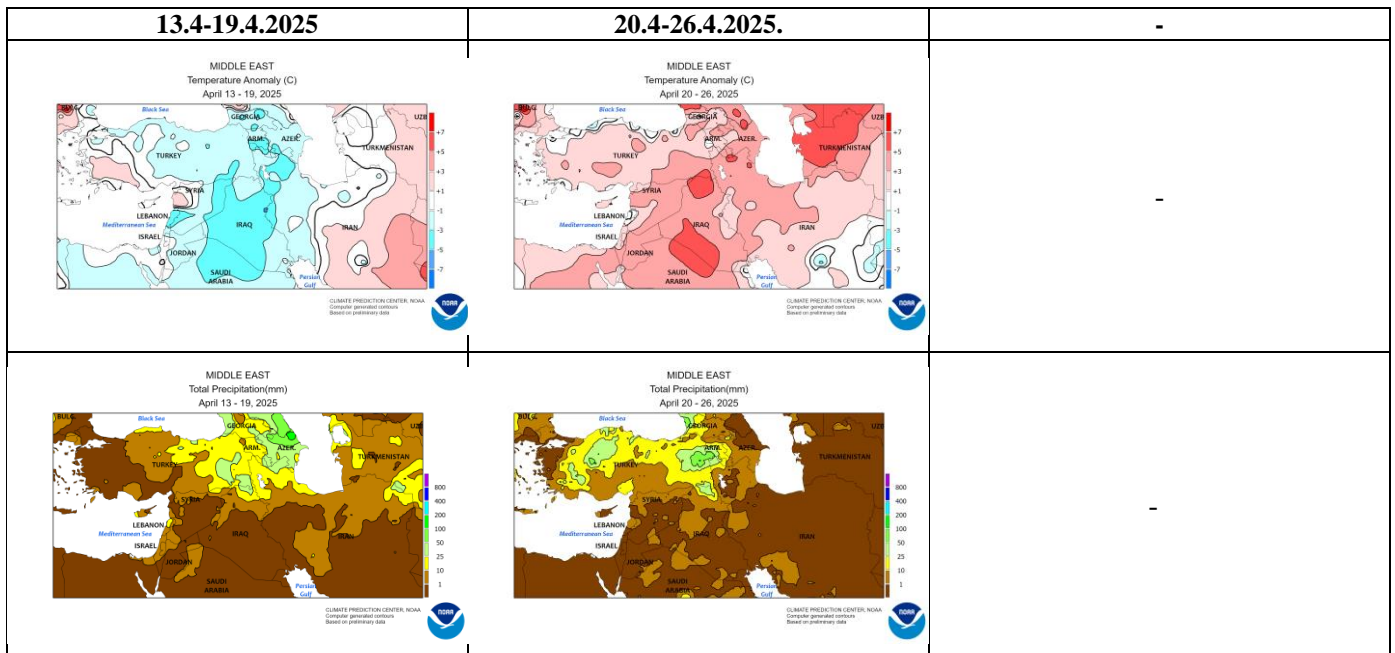


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

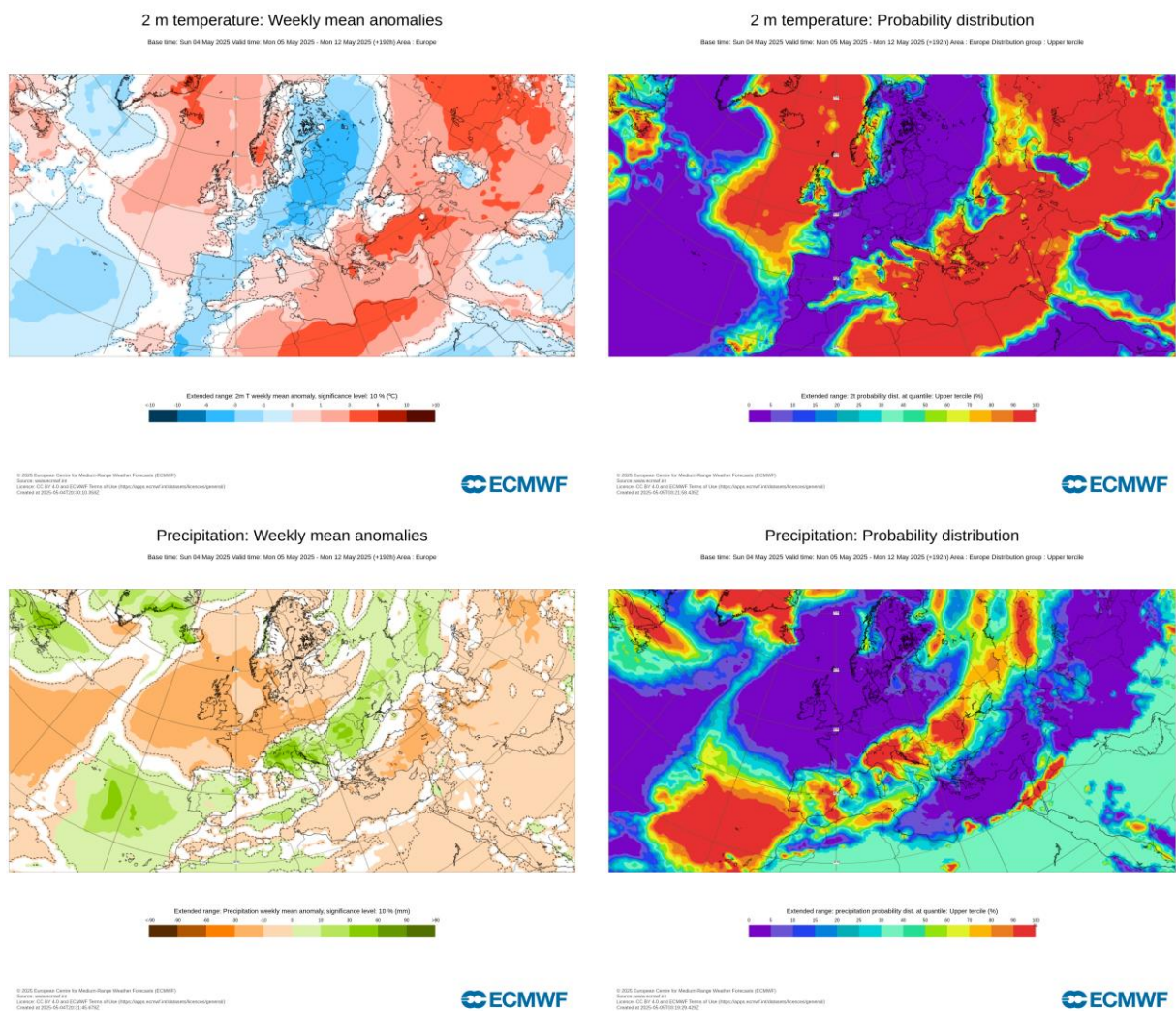


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 5.5–11.5.2025 period (source: European Centre for Medium-Range Weather Forecasts, ECMWF)

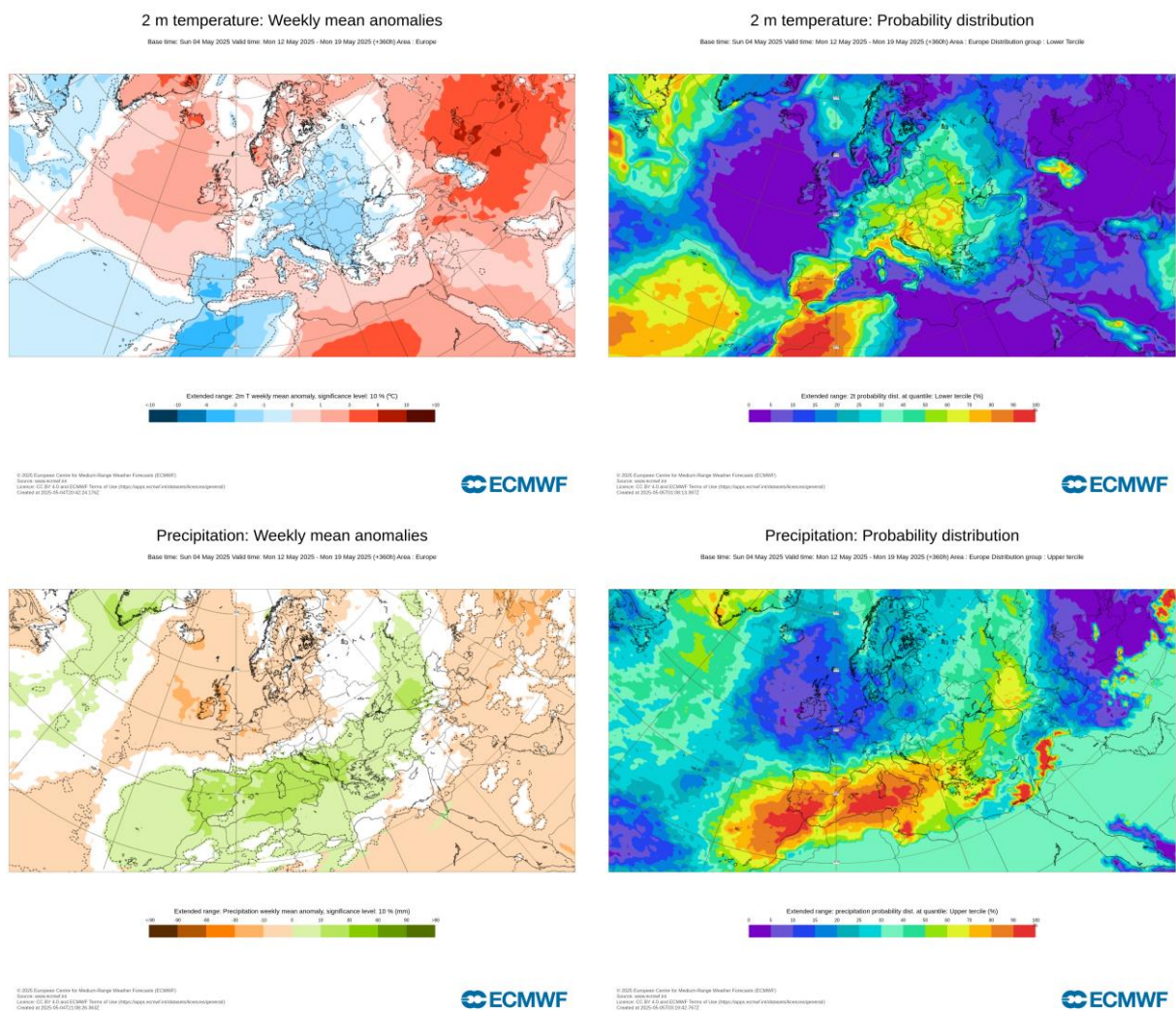
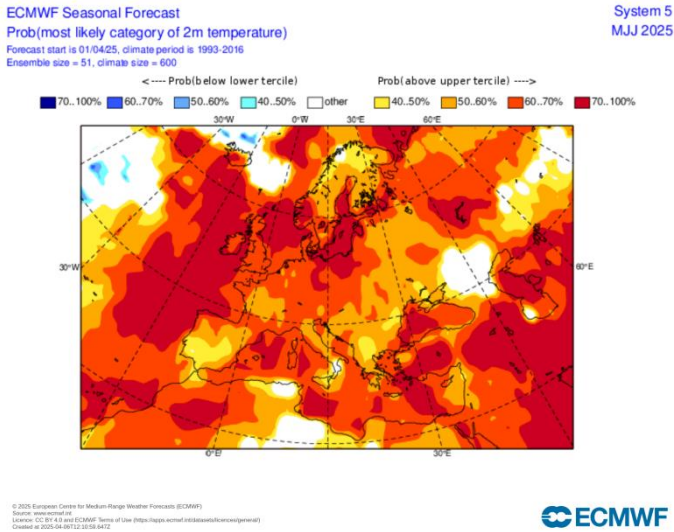


Figure 4. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 12.5–18.5.2025 period (source: ECMWF)

2m Temperature Anomaly – SEAS5



Precipitation – SEAS5

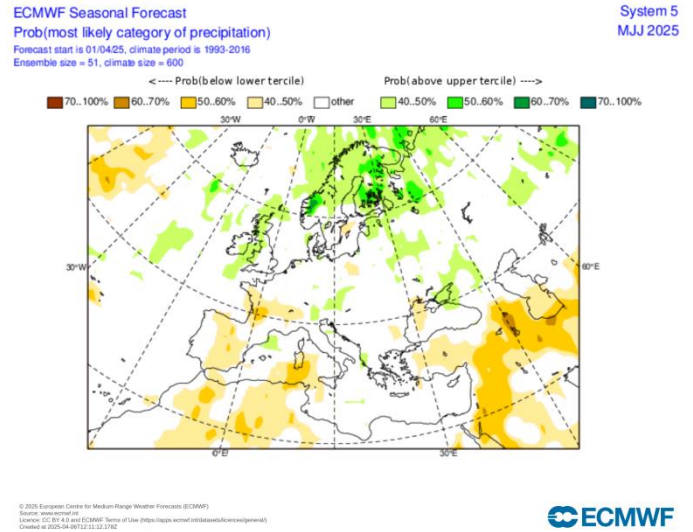


Figure 5. Mean seasonal air temperature and precipitation anomaly probabilities for the season MJJ (source: ECMWF)

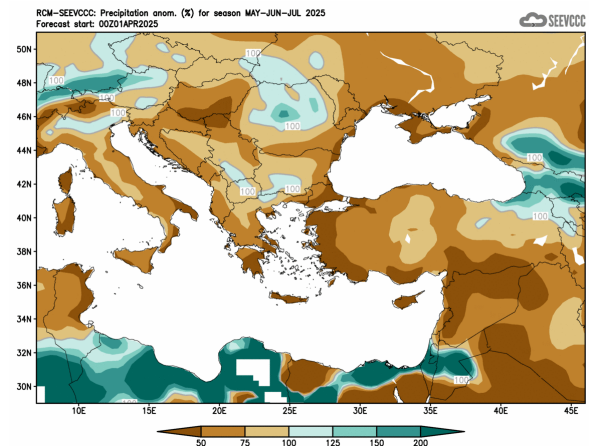
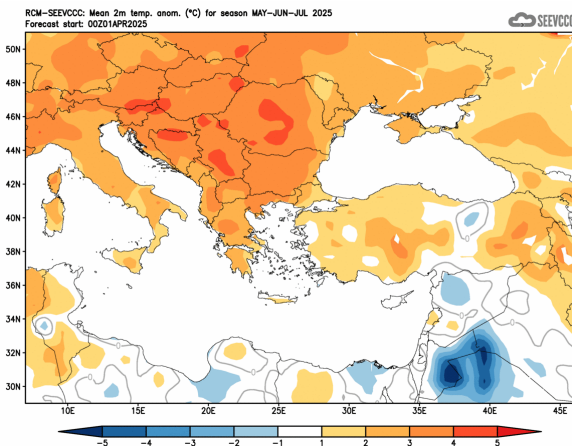


Figure 6. Mean seasonal temperature and precipitation anomaly for the season MJJ (seasonal outlook from RCM – SEEVCC)

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>)