

Climate Watch (Serial No.: 20250310-10)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing
the statement: SEEVCCC

Issued/ Amended / 10-3-2025 16:00
Cancelled

Contact: E-mail: cws-seevccc@hidmet.gov.rs
Phone: +381112066925
Fax: +381112066929

Valid from – to: 10-3-2025 – 31-5-2025 Next amendment: 17-3-2025

Region of concern: **Balkans, Romania, Turkey, South Caucasus**

„ Within the first week (10 to 16 March 2025), ECMWF monthly forecast predicts above normal mean weekly air temperature in the entire SEE region, with anomaly up to +10 °C. Probability for exceeding upper decile (top ten of the highest temperature) is over 90%. Precipitation surplus is expected in the western and northwestern Balkans, as well as western Romania, with around 90% probability for exceeding upper tercile (top third of the highest precipitation). Precipitation deficit is forecasted for the southern and southeastern Balkans, Turkey, Cyprus and South Caucasus, with over 90% probability for exceeding lower tercile (bottom third of the lowest precipitation). “

Monitoring

During the period from 2 to 8 March 2025, observed weekly precipitation sums were below 10 mm in almost the entire SEE region.

Outlook

Within the first week (10 to 16 March 2025), ECMWF monthly forecast predicts above normal mean weekly air temperature in the entire SEE region, with anomaly up to +10 °C. Probability for exceeding upper decile (top ten of the highest temperature) is over 90%. Precipitation surplus is expected in the western and northwestern Balkans, as well as western Romania, with around 90% probability for exceeding upper tercile (top third of the highest precipitation). Precipitation deficit is forecasted for the southern and southeastern Balkans, Turkey, Cyprus and South Caucasus, with over 90% probability for exceeding lower tercile (bottom third of the lowest precipitation).

During the second week (17 to 23 March 2025), above average mean weekly air temperature is expected in the entire region, with anomaly up to +3 °C in most of the region, up to +6 °C in Turkey, Cyprus and South Caucasus and even up to +10 °C in Armenia and some locations in eastern Turkey. Probability for exceeding upper tercile (upper third of the highest temperature) is in a range from around 60% in eastern part of the SEE region up to 90% in Cyprus, eastern Turkey and Armenia. Precipitation deficit is expected in eastern Mediterranean, with around 70% probability for exceeding lower tercile (bottom third of the lowest precipitation). Precipitation surplus is forecasted in part of eastern Turkey, with up to 60% probability for exceeding upper tercile (top third of the highest precipitation).

During the following three months (April, May and June), seasonal forecast predicts above average seasonal air temperature in the entire SEECOF region. Precipitation surplus is expected in Carpathian Mountains and scattered locations in the central Balkans, while deficit is forecasted for western Turkey, eastern Balkans and part of eastern Ukraine.

Update

An updated statement will be issued on 17-3-2025

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

ANNEX

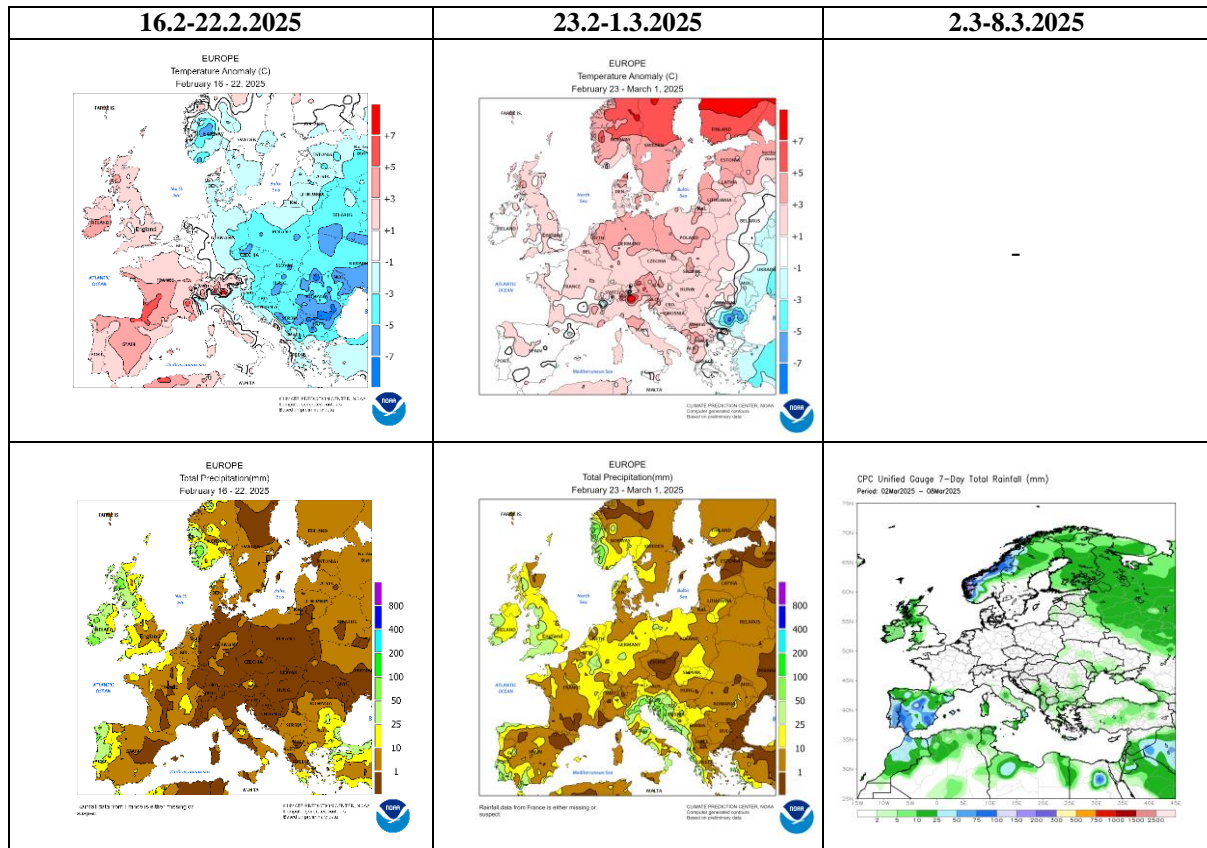


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

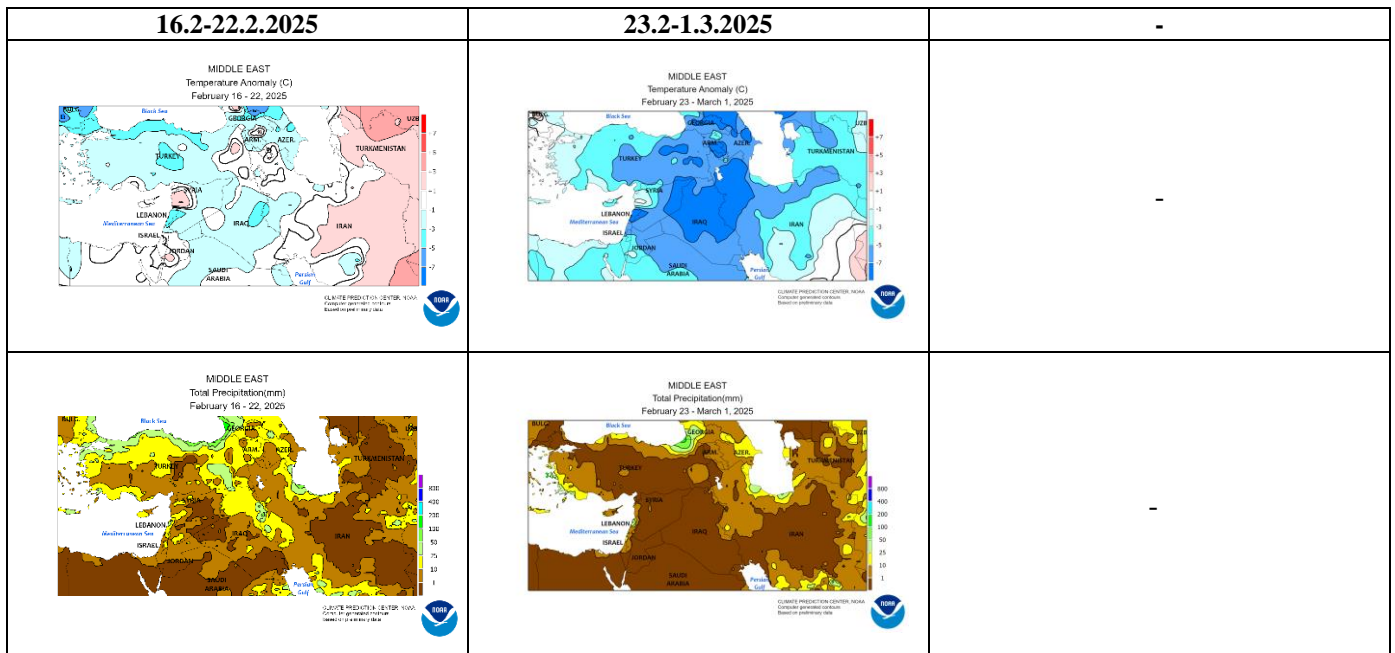


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

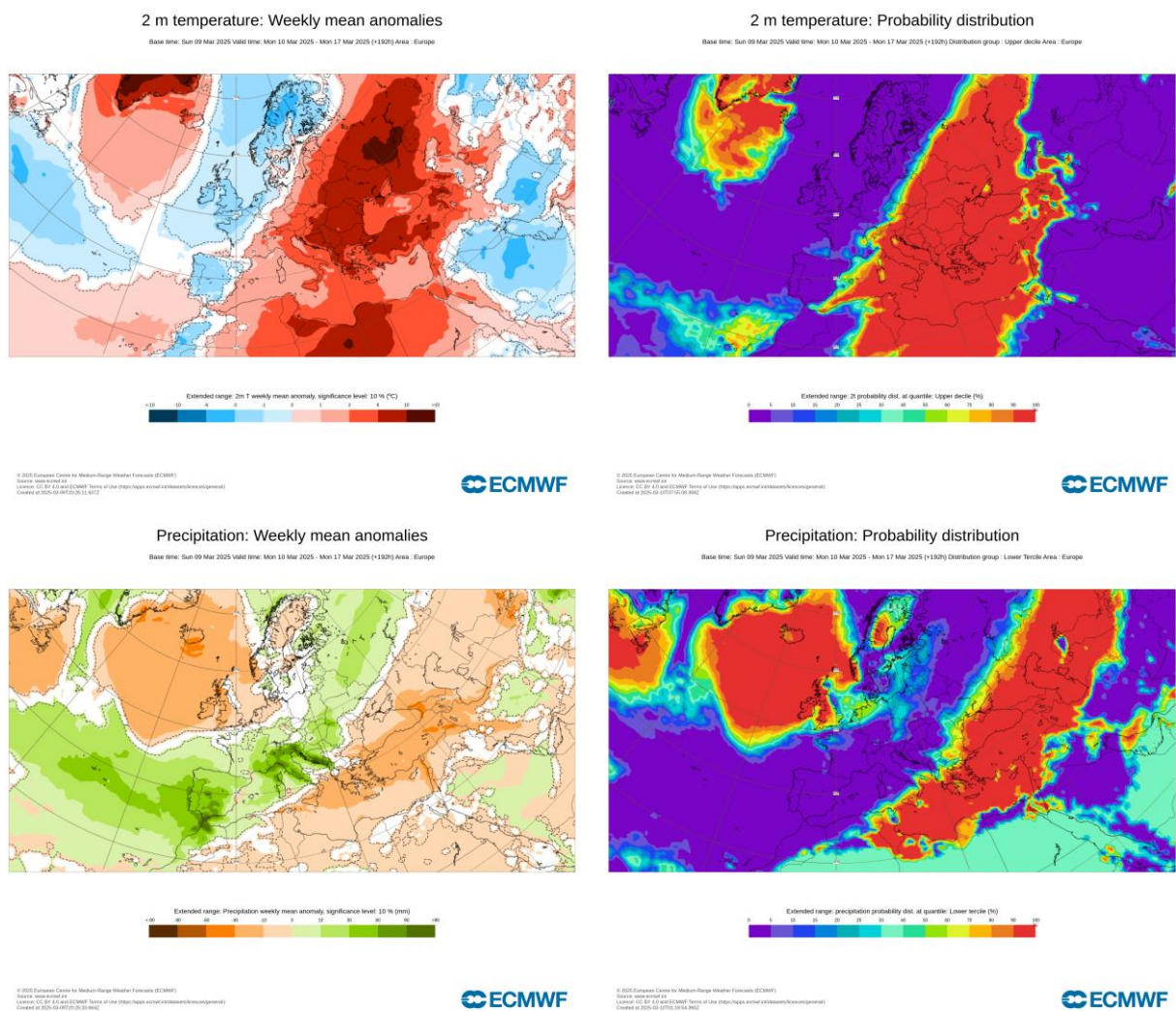


Figure 3. Outlook for the temperature anomalies and probability for the upper decile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 10.3–16.3.2025 period (source: European Centre for Medium-Range Weather Forecasts, ECMWF)

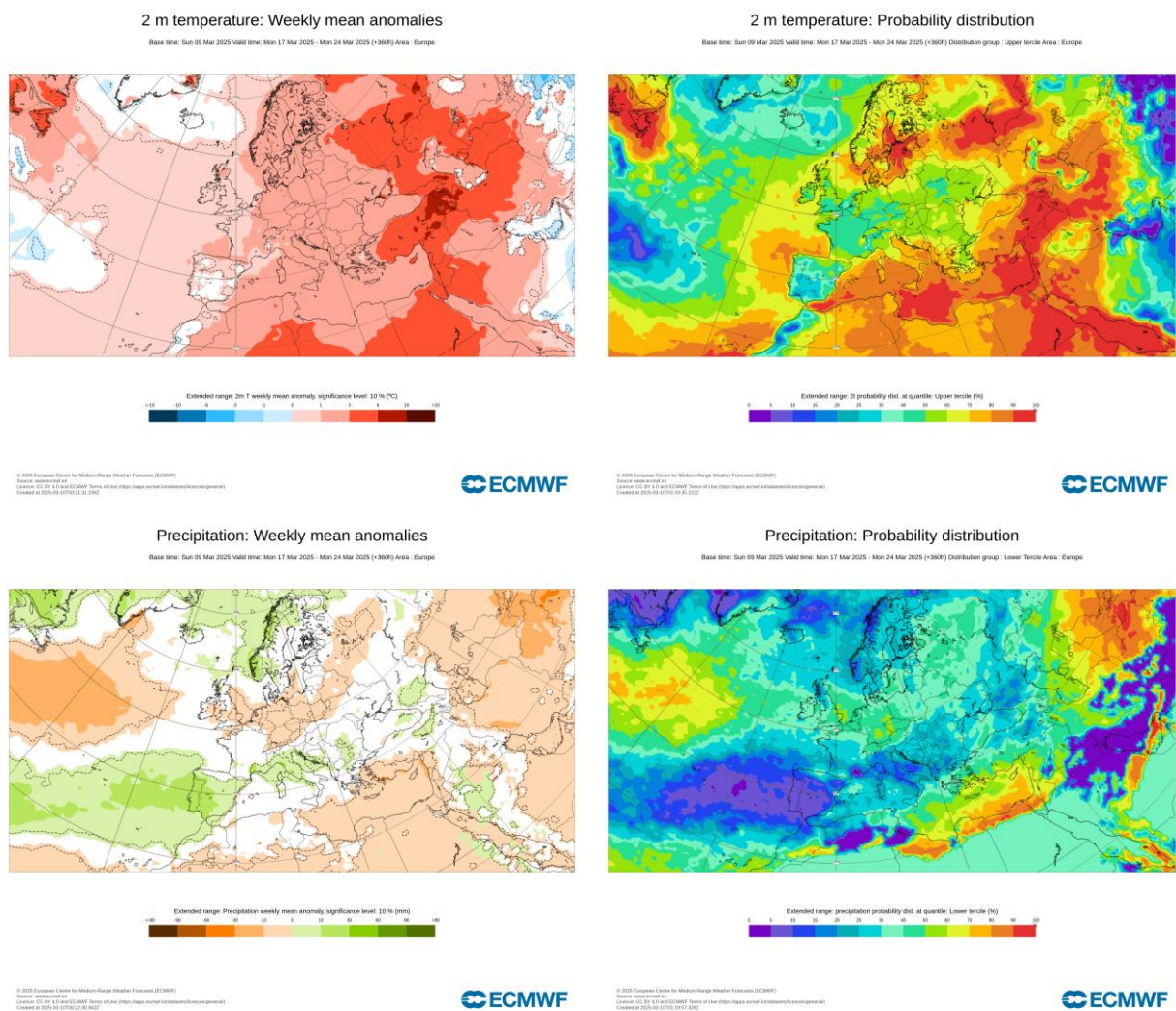
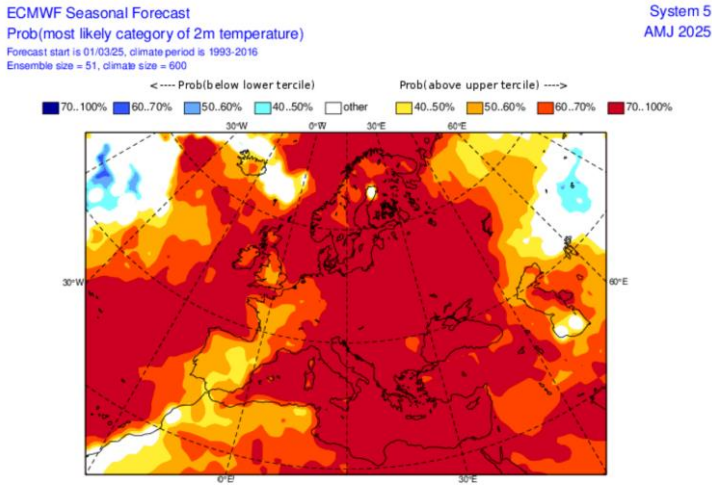


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 17.3–23.3.2025 period (source: ECMWF)

2m Temperature Anomaly – SEAS5



Precipitation – SEAS5

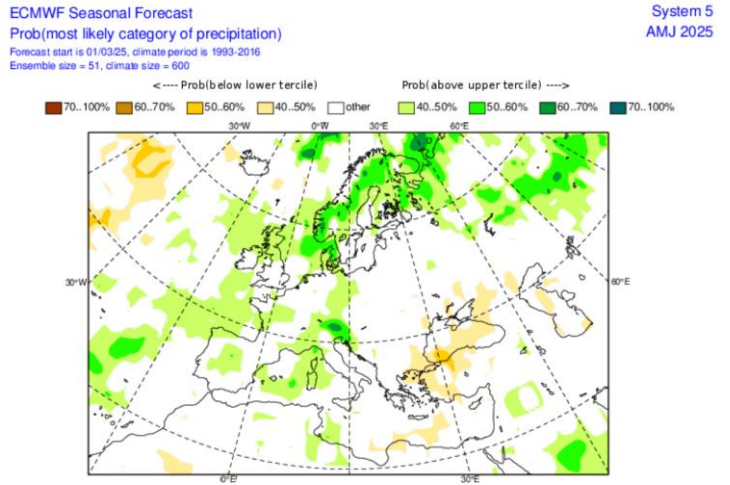


Figure 5. Mean seasonal air temperature and precipitation anomaly probabilities for the season AMJ (source: ECMWF)

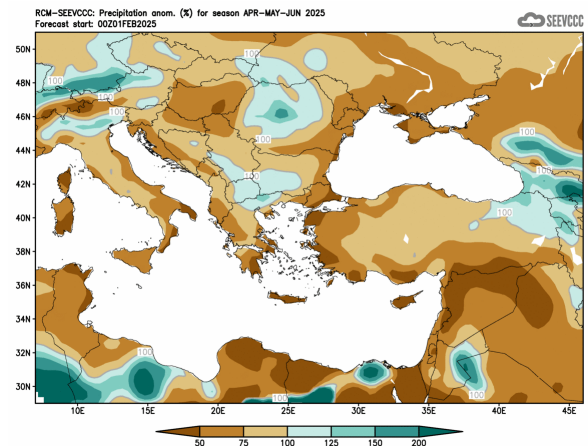
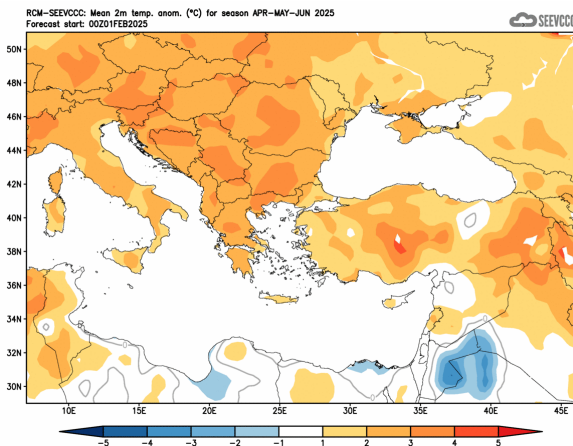


Figure 6. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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>)