

Climate Watch (Serial No.: 20250217-7)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing
the statement: SEEVCCC

Issued/ Amended /
Cancelled 17-2-2025 16:00

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Valid from – to: 17-2-2025 – 31-5-2025 Next amendment: 24-2-2025

Region of concern: **SEE region**

„ Within the first week (17 to 23 February 2025), ECMWF monthly forecast predicts below normal mean weekly air temperature in the entire region with anomaly up to -10°C in the eastern Balkans and central Turkey. Probability for exceeding lower tercile (bottom third of the lowest temperature) is up to 90%. Precipitation deficit is forecasted in most of the Balkans with the exception of the eastern part, with up to 90% probability for exceeding lower tercile (bottom third of the lowest precipitation). Precipitation surplus is expected in Bulgaria, northern Turkey and South Caucasus with up to 90% probability for exceeding upper tercile (top third of the highest precipitation). “

Monitoring

During the period from 8 to 14 February 2025, observed weekly precipitation sums were around 75 mm in the southern Balkans, southeastern Serbia and part of southern Turkey, around 50 mm along the northern Adriatic coast, while in rest of the region precipitation totals were up to 25 mm.

Outlook

Within the first week (17 to 23 February 2025), ECMWF monthly forecast predicts below normal mean weekly air temperature in the entire region with anomaly up to -10°C in the eastern Balkans and central Turkey. Probability for exceeding lower tercile (bottom third of the lowest temperature) is up to 90%. Precipitation deficit is forecasted in most of the Balkans with the exception of the eastern part, with up to 90% probability for exceeding lower tercile (bottom third of the lowest precipitation). Precipitation surplus is expected in Bulgaria, northern Turkey and South Caucasus with up to 90% probability for exceeding upper tercile (top third of the highest precipitation).

During the second week (24 February to 2 March 2025), below average mean weekly air temperature is forecasted for eastern and southern parts of the Balkans, the entire Turkey and South Caucasus, with anomaly in a range from -3°C up to -10°C in some parts of central and eastern Turkey. Probability for exceeding lower tercile (bottom third of the lowest temperature) is around 80%. Precipitation deficit is expected in the entire region with around 70% probability for exceeding lower tercile (bottom third of the lowest precipitation).

During the following three months (March, April and May), seasonal forecast predicts above average seasonal air temperature in all of the SEECOF region. Precipitation surplus is expected in Eastern Mediterranean Sea, Cyprus, parts of Middle East and scattered locations in the southern Balkans, Carpathian Mountains, Turkey and South Caucasus, while deficit is forecasted for southeastern Ukraine.

Update

An updated statement will be issued on 24-2-2025

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

ANNEX

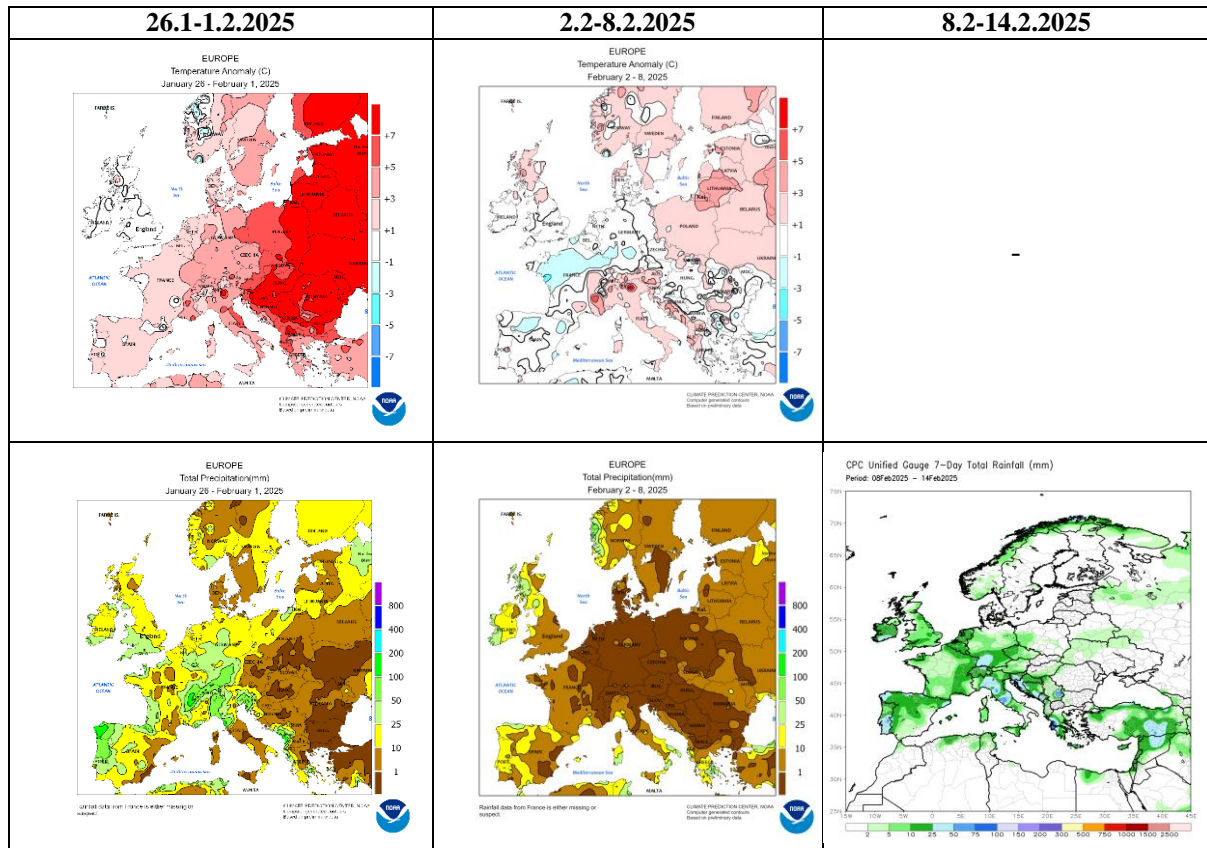


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

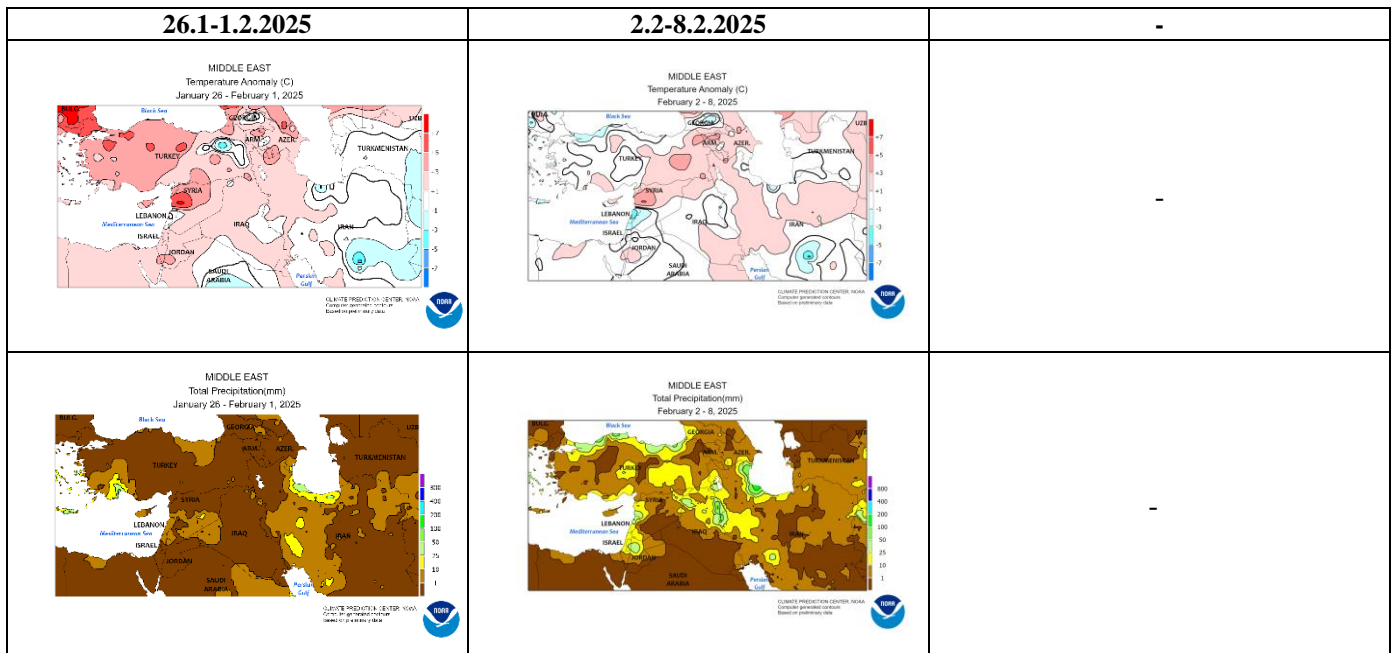


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

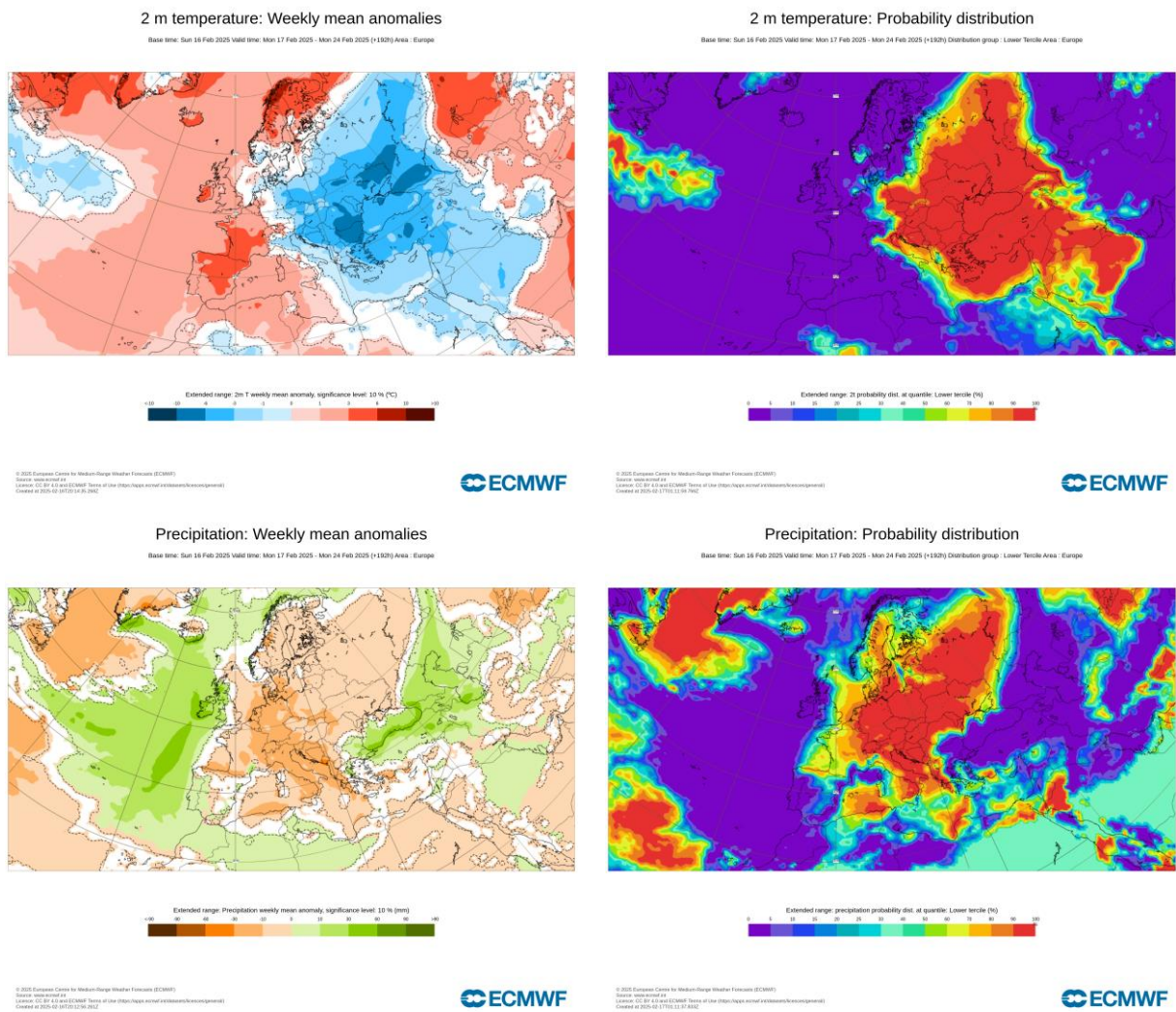


Figure 3. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 17.2–23.2.2025 period (source: European Centre for Medium-Range Weather Forecasts, ECMWF)

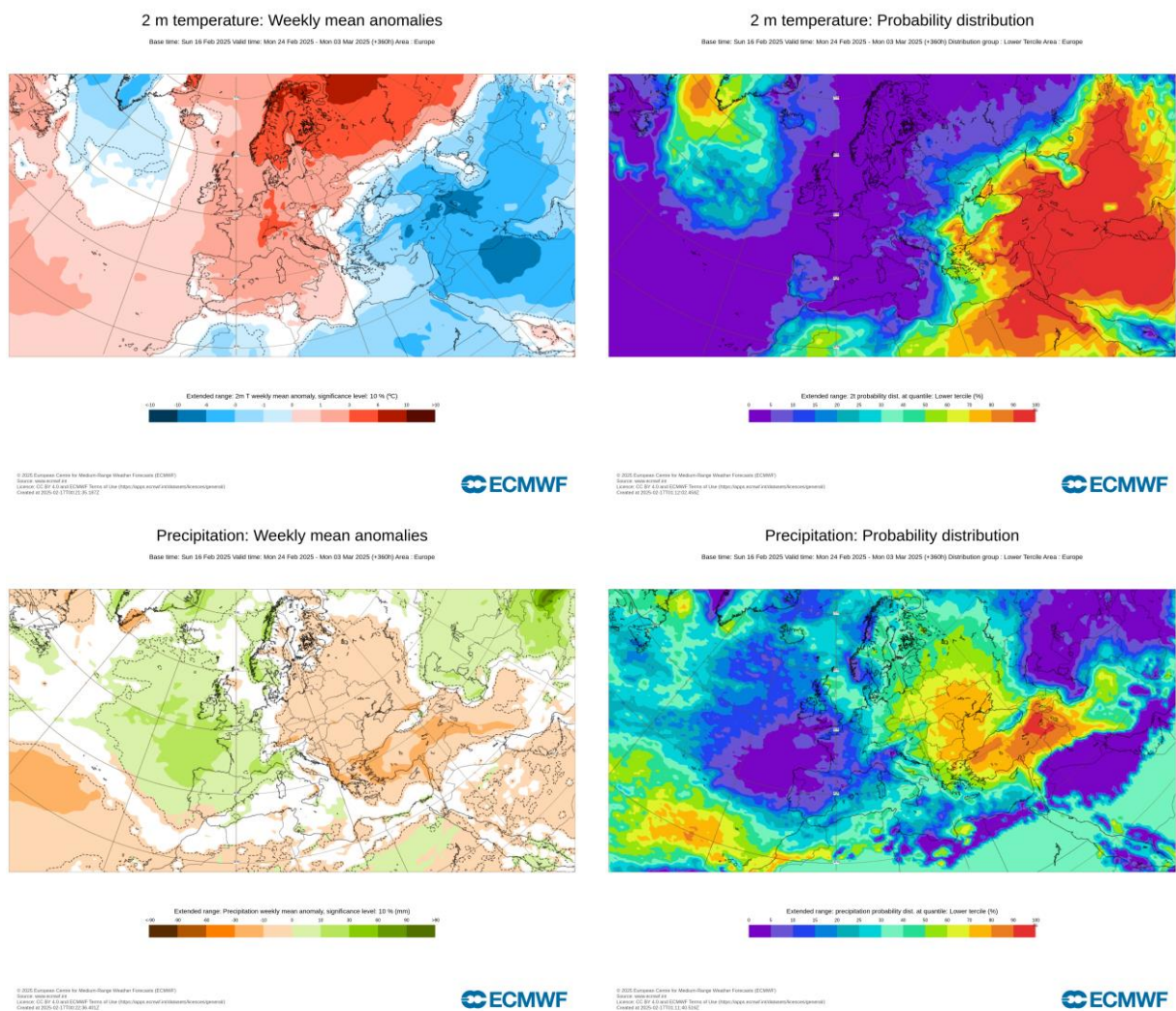
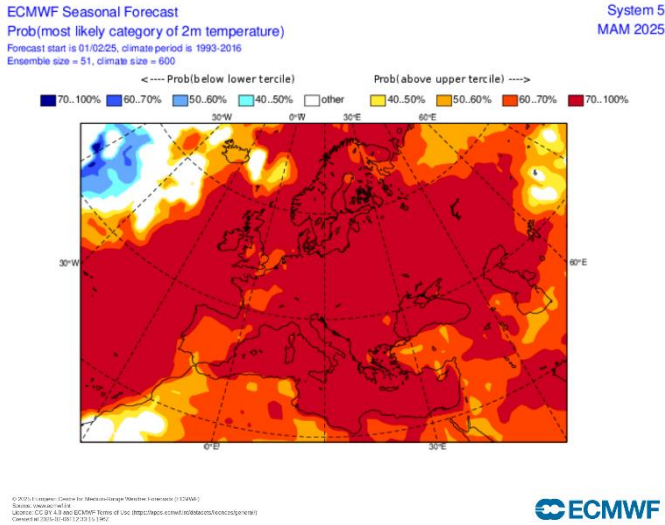


Figure 4. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 24.2–2.3.2025 period (source: ECMWF)

2m Temperature Anomaly – SEAS5



Precipitation – SEAS5

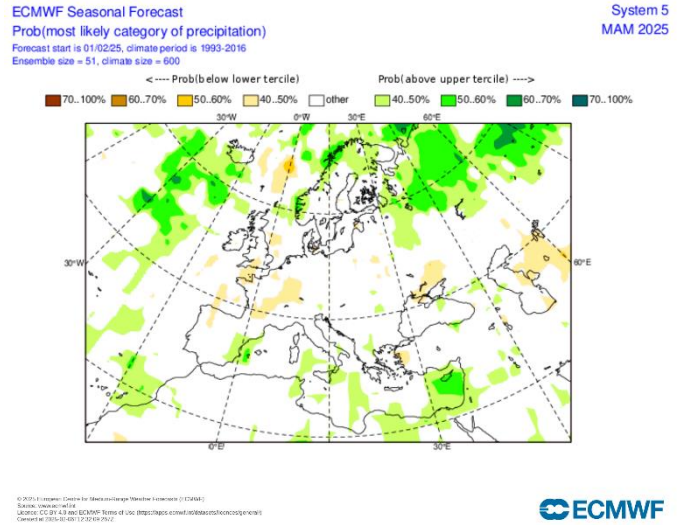


Figure 5. Mean seasonal air temperature and precipitation anomaly probabilities for the season MAM (source: ECMWF)

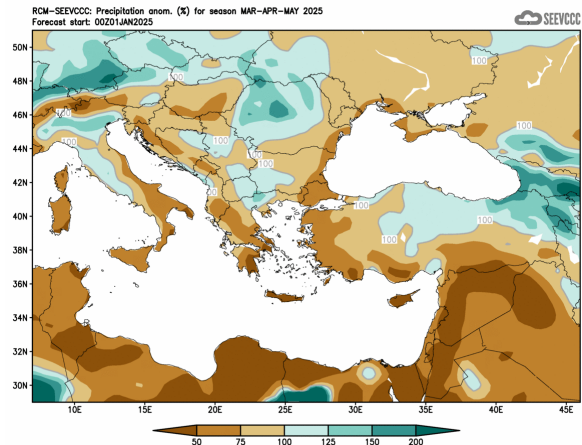
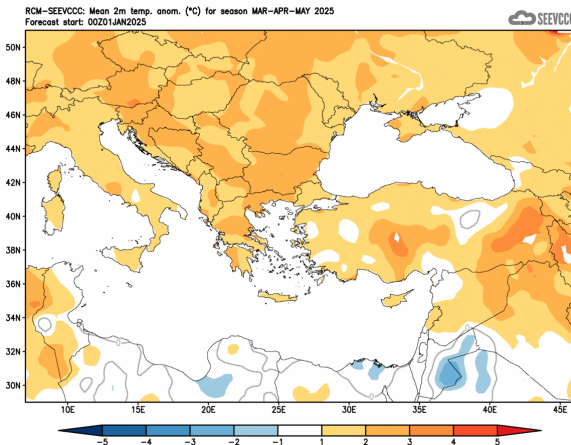


Figure 6. Mean seasonal temperature and precipitation anomaly for the season MAM (seasonal outlook from RCM – SEEVCCO)

Sources

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