

Climate Watch (Serial No.: 20250331-13)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing

the statement:

SEEVCCC

Issued/ Amended /
Cancelled

31-3-2025 16:00

Contact:

E-mail: cws-seevccc@hidmet.gov.rs

Phone: +381112066925

Fax: +381112066929

Valid from – to:

31-3-2025 – 30-6-2025

Next amendment: 7-4-2025

Region of concern: **SEE**

„ Within the first week (31 March to 6 April 2025), ECMWF monthly forecast predicts above normal mean weekly air temperature in eastern parts of the Balkans, Ukraine, Moldova, northeastern Turkey and South Caucasus. Probability for exceeding upper tercile (upper third of the highest temperature) is up to 80%. In the rest of the region average weekly air temperature is expected. Precipitation surplus is expected in most of the region, with up to 90% probability for exceeding upper tercile (top third of the highest precipitation). “

Monitoring

During the period from 23 to 29 March 2025, observed weekly precipitation sums were up to 150 mm in the western and southwestern Balkans, around 50 mm in the Carpathian Mountains, while in rest of the region weekly precipitation totals were below 25 mm.

Outlook

Within the first week (31 March to 6 April 2025), ECMWF monthly forecast predicts above normal mean weekly air temperature in eastern parts of the Balkans, Ukraine, Moldova, northeastern Turkey and South Caucasus. Probability for exceeding upper tercile (upper third of the highest temperature) is up to 80%. In the rest of the region average weekly air temperature is expected. Precipitation surplus is expected in most of the region, with up to 90% probability for exceeding upper tercile (top third of the highest precipitation).

During the second week (7 to 13 April 2025), below average mean weekly air temperature is expected in the Balkans, with the exception of the southern parts, as well as in Moldova and Ukraine, with anomaly in a range from -1°C up to -6°C. Probability for exceeding lower tercile (bottom third of the lowest temperature) is up to 80% in Ukraine. Average precipitation sums are expected in most of the region. Precipitation surplus is forecasted for eastern part of Ukraine and western parts of South Caucasus, with up to 70% 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 7-4-2025

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

ANNEX

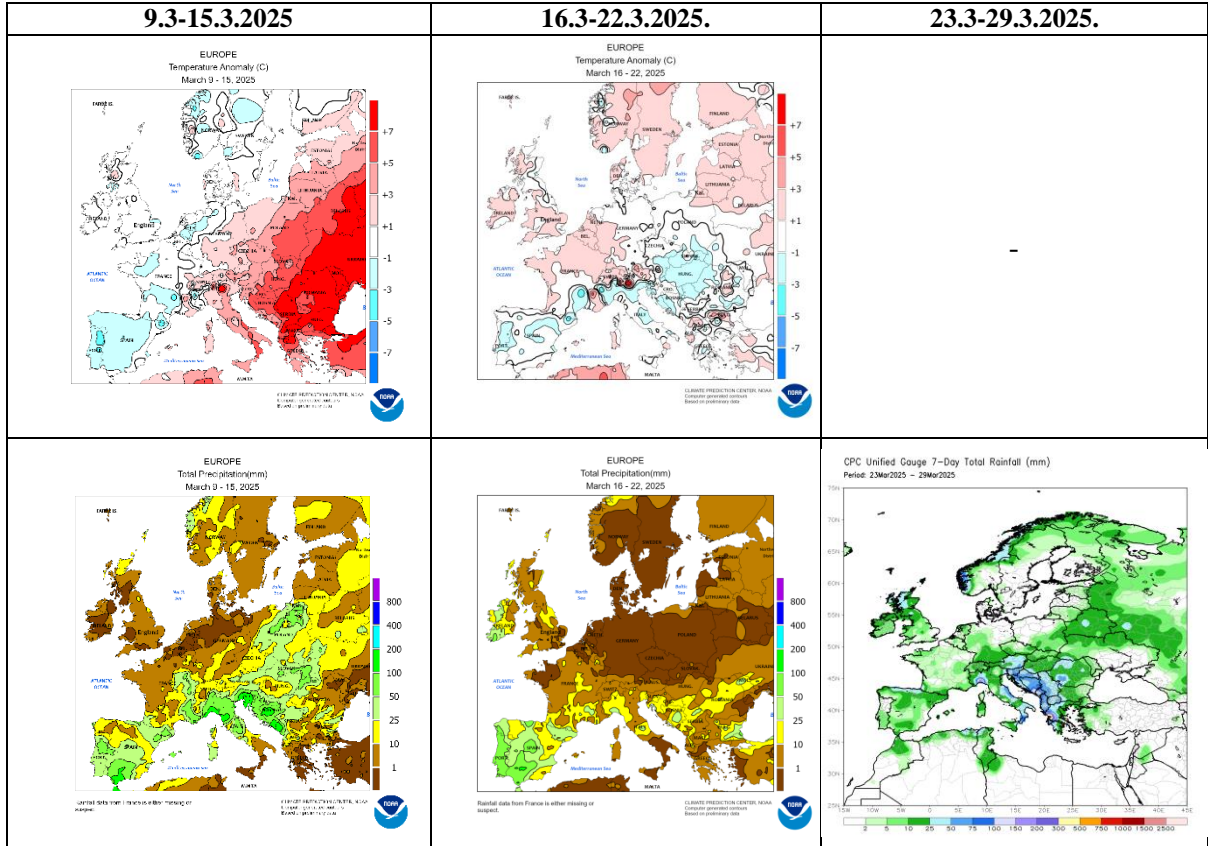


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

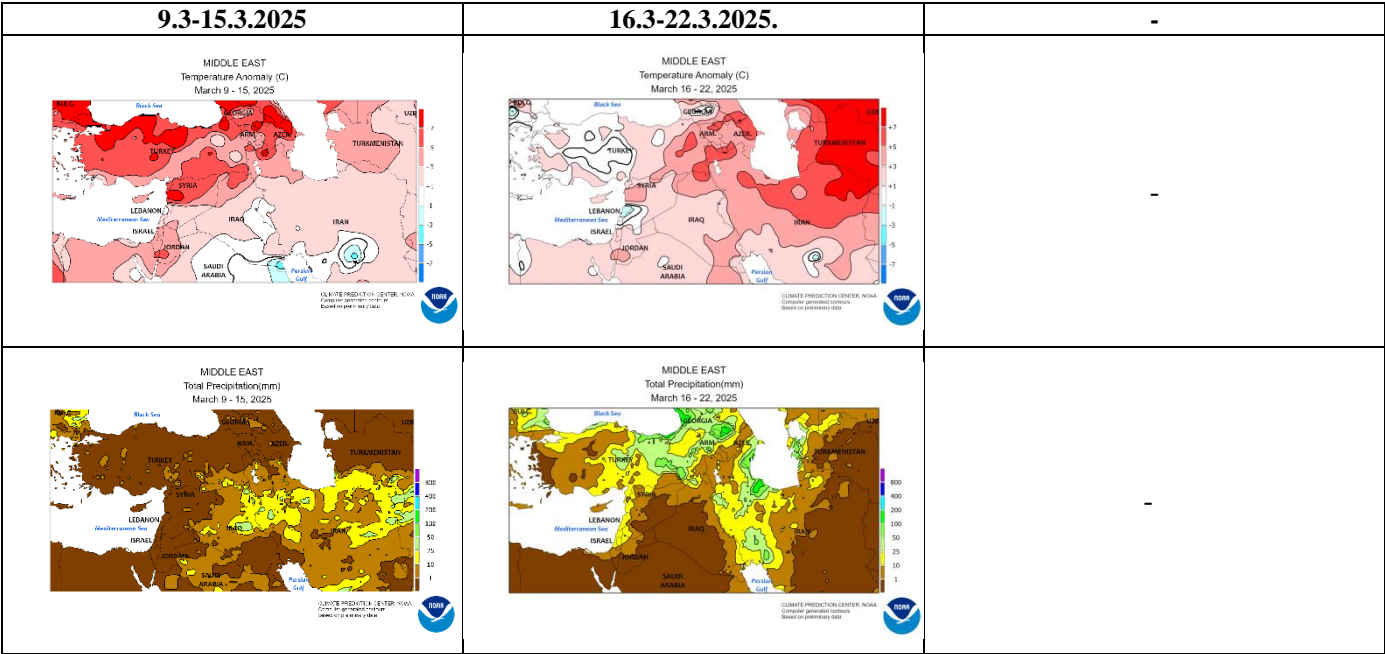


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

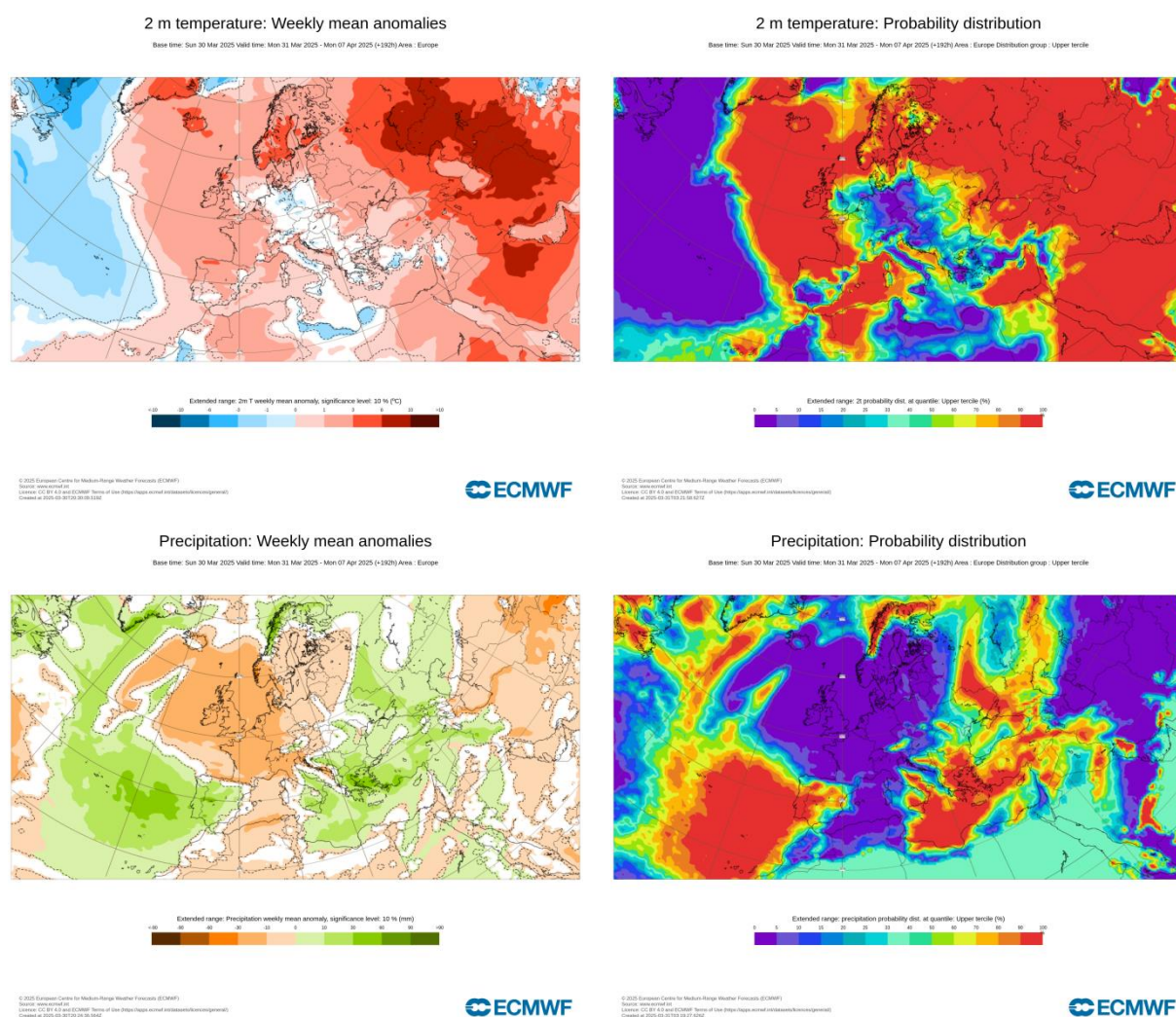


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 31.3–6.4.2025 period (source: European Centre for Medium-Range Weather Forecasts, ECMWF)

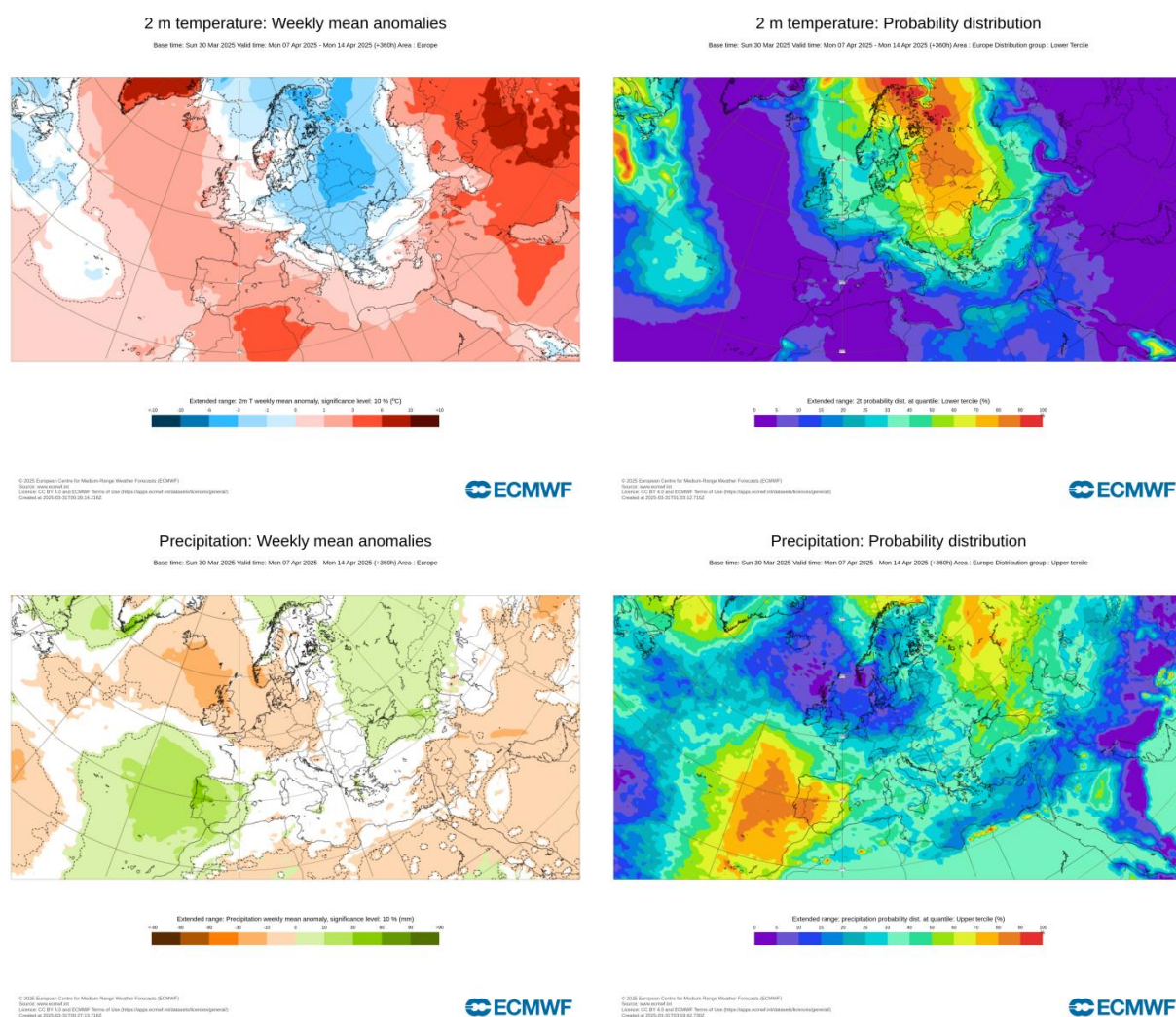


Figure 4. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 7.4–13.4.2025 period (source: ECMWF)

2m Temperature Anomaly – SEAS5

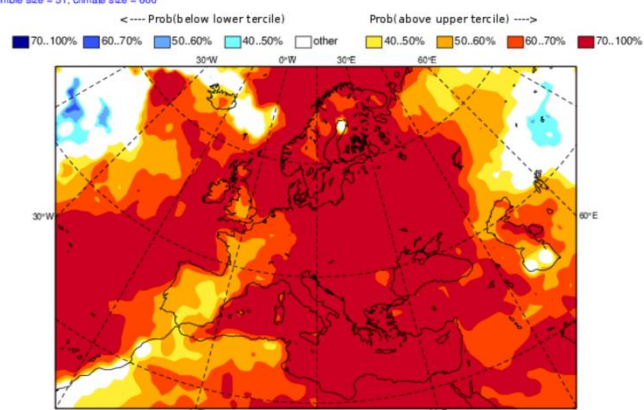
ECMWF Seasonal Forecast

Prob(most likely category of 2m temperature)

Forecast start is 01/03/25, climate period is 1993-2016

Ensemble size = 51, climate size = 600

System 5
AMJ 2025



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Created at 2025-03-07 12:00:00 UTC

ECMWF

Precipitation – SEAS5

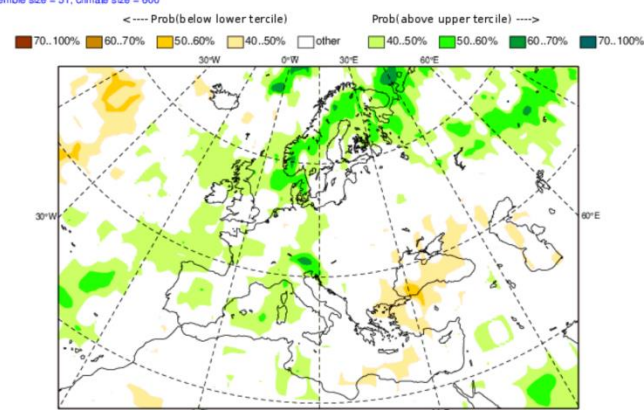
ECMWF Seasonal Forecast

Prob(most likely category of precipitation)

Forecast start is 01/03/25, climate period is 1993-2016

Ensemble size = 51, climate size = 600

System 5
AMJ 2025



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Created at 2025-03-07 12:00:00 UTC

ECMWF

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

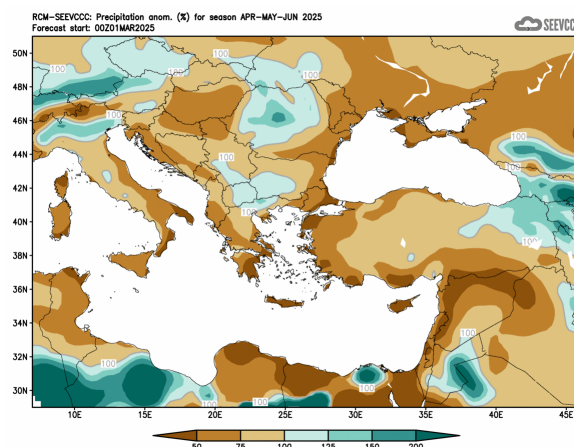
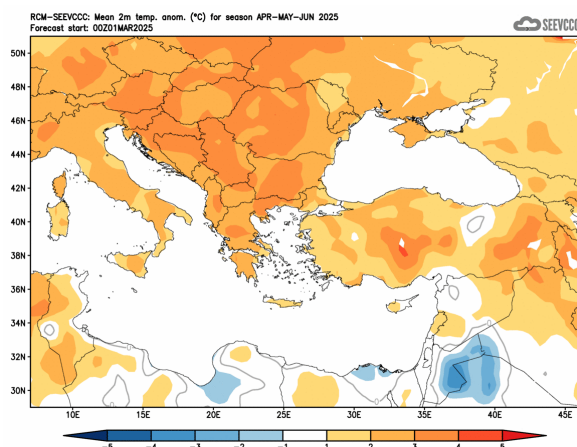


Figure 6. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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>)