

Climate Watch (Serial No.: 20240318–12)

Initial/Updated/Final

Topic: **temperature**

Organization issuing
the statement: SEEVCCC

Issued/ Amended /
Cancelled 18-3-2024 16:00

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Valid from – to: 18-3-2024 – 30-6-2024 Next amendment: 25-3-2024

Region of concern: **Ukraine, Balkans, Romania**

„ Within the first week (18 to 24 March 2024), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly up to +3°C in most of the Balkans, western Romania and most of Ukraine, while temperature anomaly up to +6°C is expected in northern Ukraine. Probability for exceeding upper tercile (top third of the highest temperature) is around 90% in the western Balkans and eastern Ukraine. “

Monitoring

During the period from 10 to 16 March 2024, weekly precipitation sums were in a range from 50 mm up to 100 mm in part of the western Balkans. Precipitation totals were up to 50 mm in part of the southwestern and central Balkans, some locations in northern Turkey, as well as Carpathian region. In rest of the SEE region precipitation totals were up to 25 mm.

Outlook

Within the first week (18 to 24 March 2024), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly up to +3°C in most of the Balkans, western Romania and most of Ukraine, while temperature anomaly up to +6°C is expected in northern Ukraine. Probability for exceeding upper tercile (top third of the highest temperature) is around 90% in the western Balkans and eastern Ukraine. Precipitation surplus is expected in the western Balkans, eastern Turkey and South Caucasus, with probability for exceeding upper tercile (top third of the highest precipitation) around 80% in the Balkans and around 90% in Turkey and South Caucasus. Precipitation deficit is predicted in southwestern Romania and northeastern Ukraine, with up to 70% probability for exceeding lower tercile (bottom third of the lowest precipitation).

During the second week (25 to 31 March 2024), above normal mean weekly air temperature is forecasted, with anomaly up to +3°C, in most of the region, while in eastern and central Ukraine temperature anomaly is up to +6°C. Probability for exceeding upper tercile (top third of the highest temperature) is in a range from around 60% in the Balkans up to 80% in western and central Turkey, most of Ukraine, Georgia and Cyprus. Precipitation surplus is expected in part of the western Balkans 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 Balkans, Romania, western Ukraine, central and eastern Turkey. Precipitation surplus is expected in the Carpathians, northeastern Turkey and South Caucasus. Precipitation deficit is forecasted for most of the Balkans, southeastern Romania, Cyprus, Middle East and western and southern Turkey.

Update

An updated statement will be issued on 25-3-2024

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

ANNEX

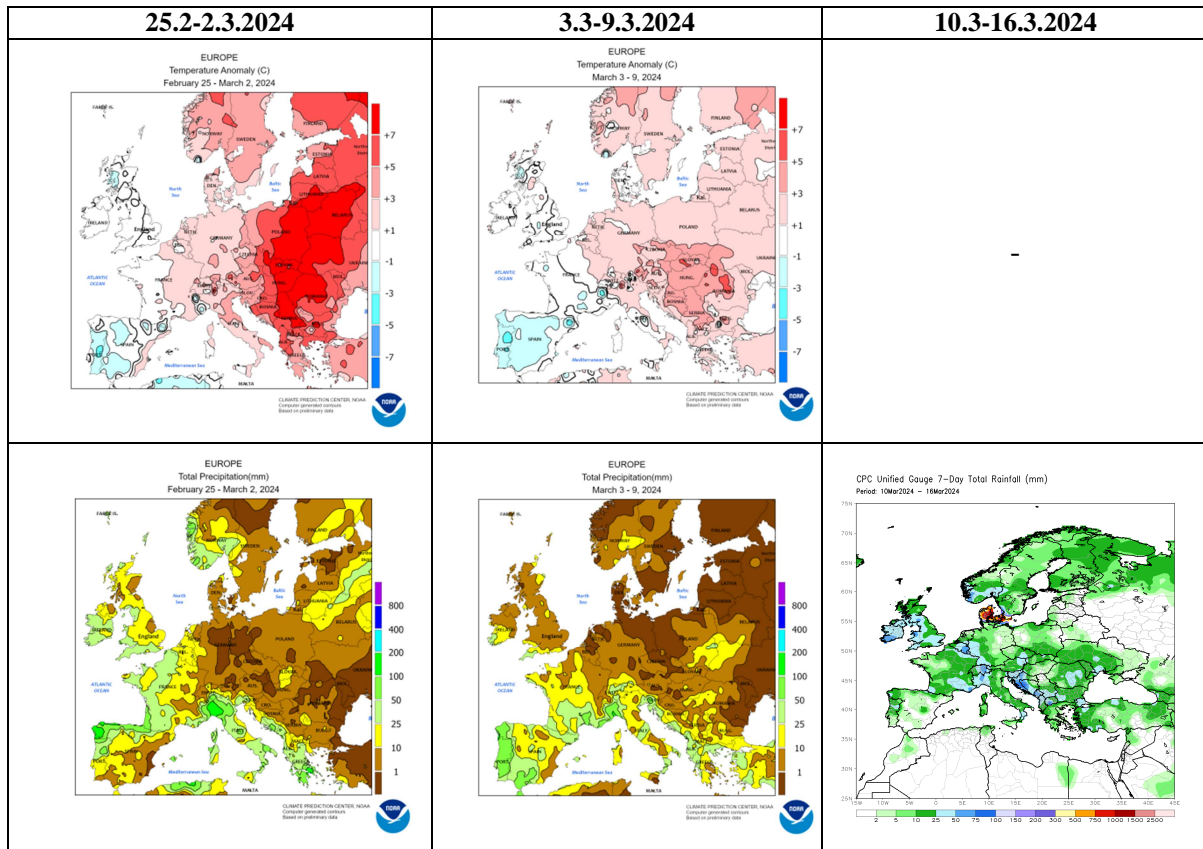


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

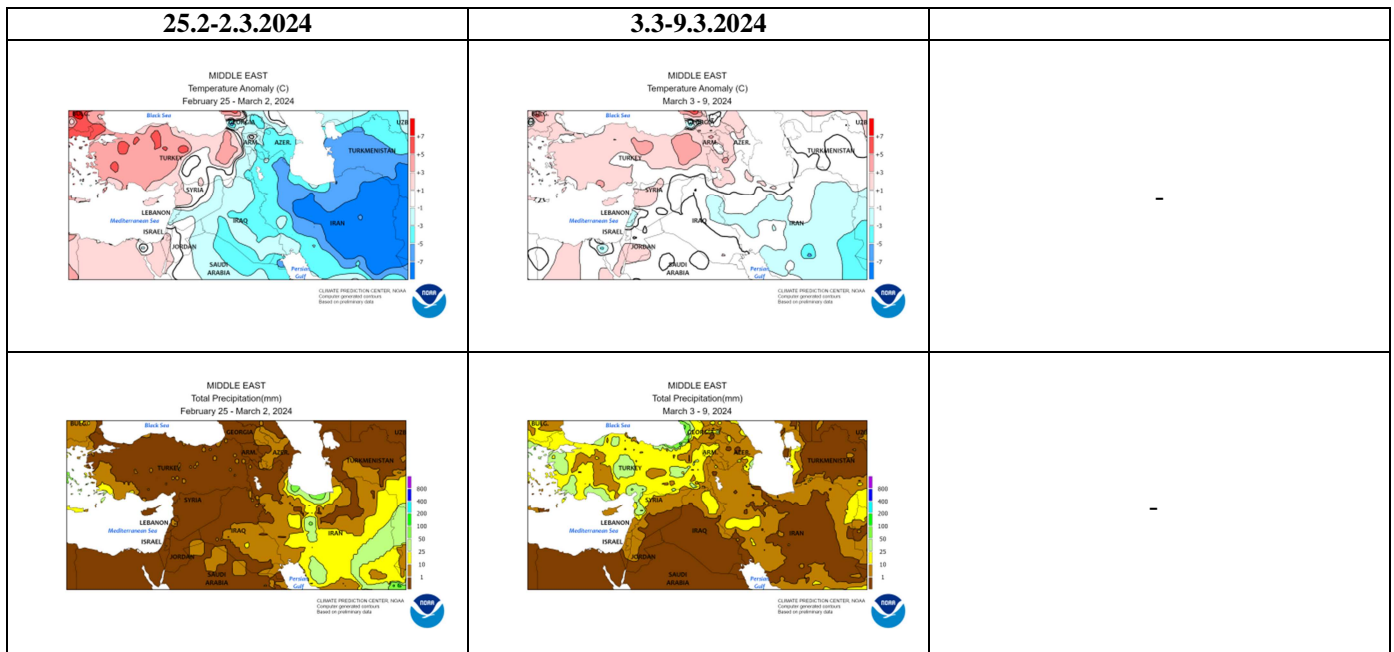


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

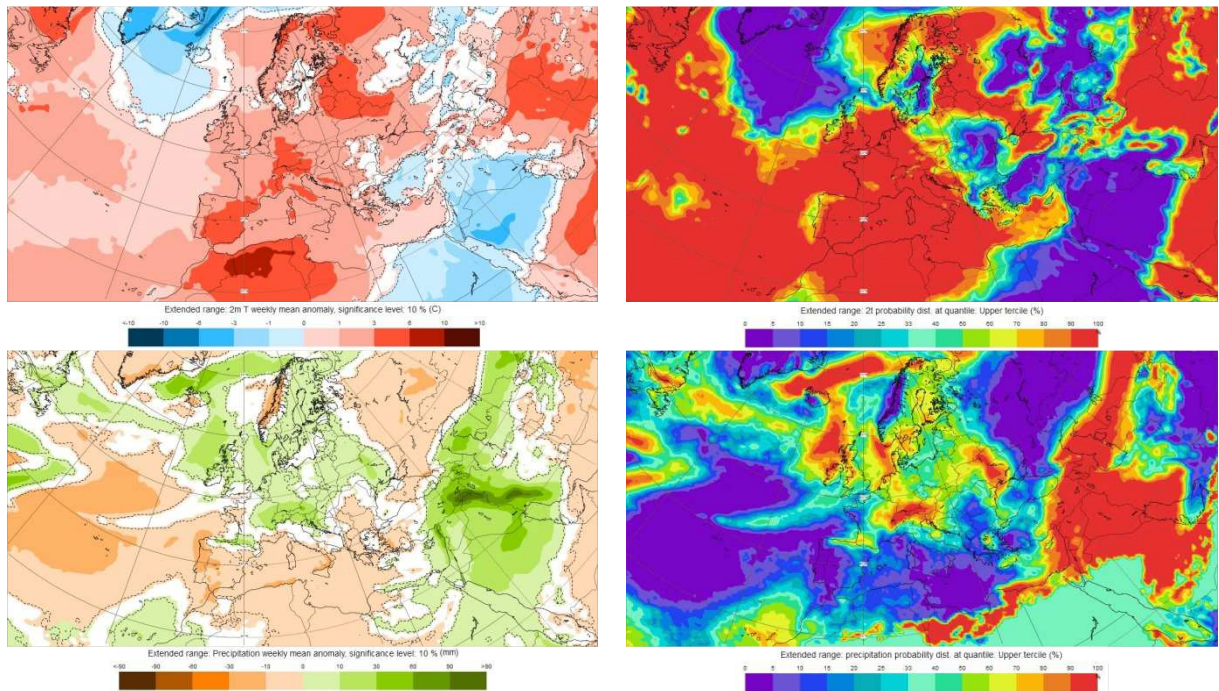


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 18–24.3.2024 period (source: European Centre for Medium-Range Weather Forecasts)

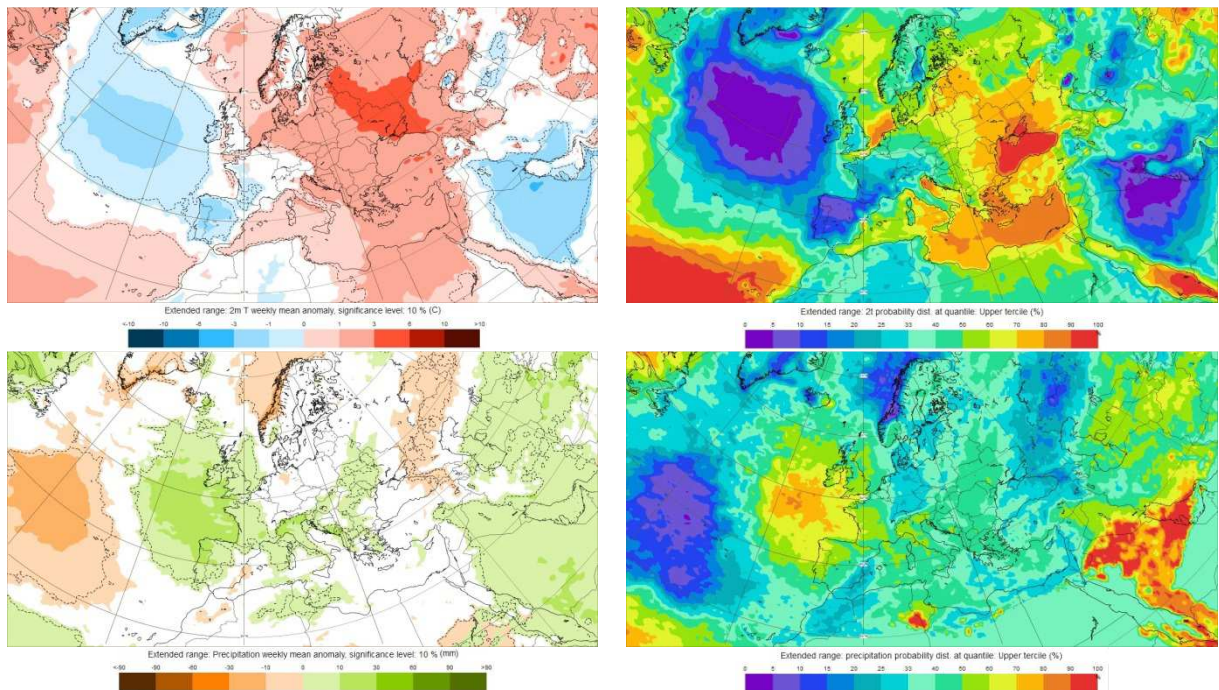


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 25–31.3.2024 period (source: European Centre for Medium-Range Weather Forecasts)

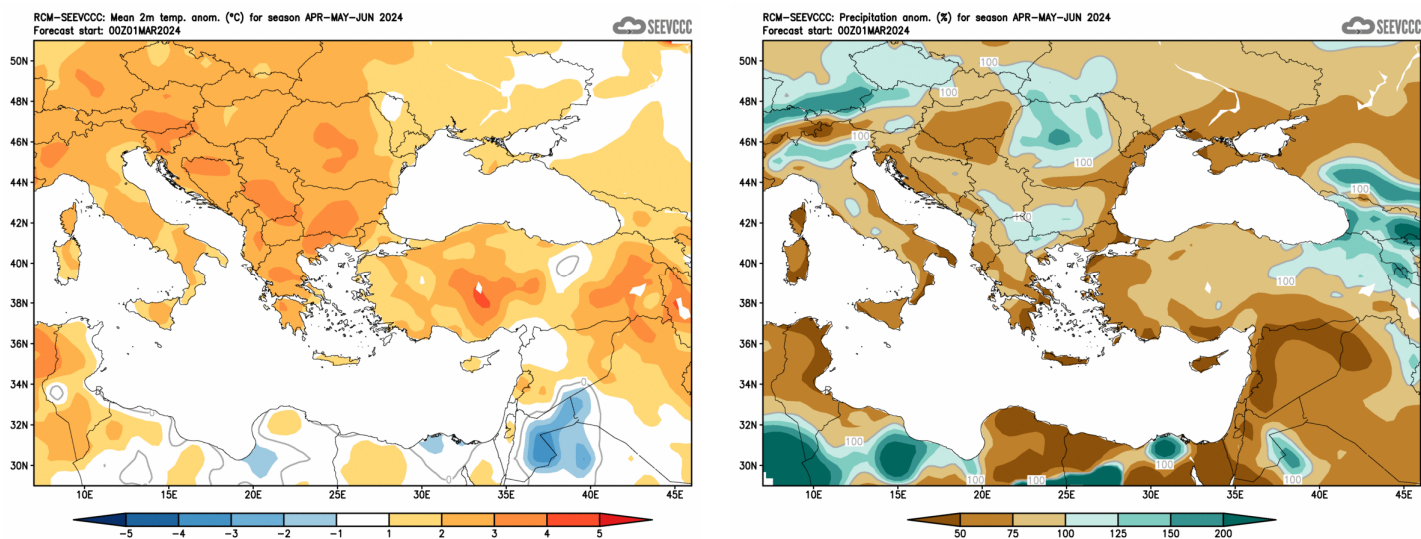


Figure 5. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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>)