

Climate Watch (Serial No.: 20240311–11)

Initial/Updated/Final

Topic: **temperature**

Organization issuing
the statement: SEEVCCC

Issued/ Amended /
Cancelled 11-3-2024 16:00

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Valid from – to: 11-3-2024 – 31-5-2024 Next amendment: 18-3-2024

Region of concern: **SEE**

„ Within the first week (11 to 17 March 2024), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly up to +6°C in most of the Balkans, Romania, Moldova and western Ukraine. In rest of the SEE region temperature anomaly is expected to be up to +3°C. Probability for exceeding upper quintile (top quarter of the highest temperature) is above 90% in almost the entire region. “

Monitoring

During the period from 3 to 9 March 2024, weekly precipitation sums were up to 50 mm along Adriatic coast, in the southwestern Balkans, northern Greece and some locations in southern, central and eastern Turkey. In rest of the SEE region precipitation totals were up to 25 mm.

Outlook

Within the first week (11 to 17 March 2024), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly up to +6°C in most of the Balkans, except southern part, Romania, Moldova and western Ukraine. In rest of the SEE region temperature anomaly is expected to be up to +3°C. Probability for exceeding upper quintile (top quarter of the highest temperature) is above 90% in almost the entire region. Precipitation surplus is expected in the southwestern and part of western Balkans, Moldova and northeastern Romania, with probability for exceeding upper tercile (top third of the highest precipitation) up to 90%. Precipitation deficit is predicted in southern and part of central Turkey, with around 80% probability for exceeding lower tercile (bottom third of the lowest precipitation).

During the second week (18 to 24 March 2024), above normal mean weekly air temperature is forecasted, with anomaly up to +6°C, in most of the region. Probability for exceeding upper tercile (top third of the highest temperature) is above 90% in most of the Balkans, Romania, southern Moldova, southwestern Turkey and Cyprus, while in rest of the SEE region probability is above 80%. Precipitation surplus is expected in part of the western Balkans with up to 70% probability for exceeding upper tercile (top third of the highest precipitation).

During the following three months (March, April and May), seasonal forecast predicts above average seasonal air temperature in most of the Balkans, central Romania, western Ukraine, central and eastern Turkey. Precipitation surplus is expected in the Carpathians, part of the central Balkans and coast of southern Adriatic, northeastern Turkey and South Caucasus. Precipitation deficit is forecasted for the southern Balkans, Cyprus, Middle East and western and southern Turkey.

Update

An updated statement will be issued on 18-3-2024

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

ANNEX

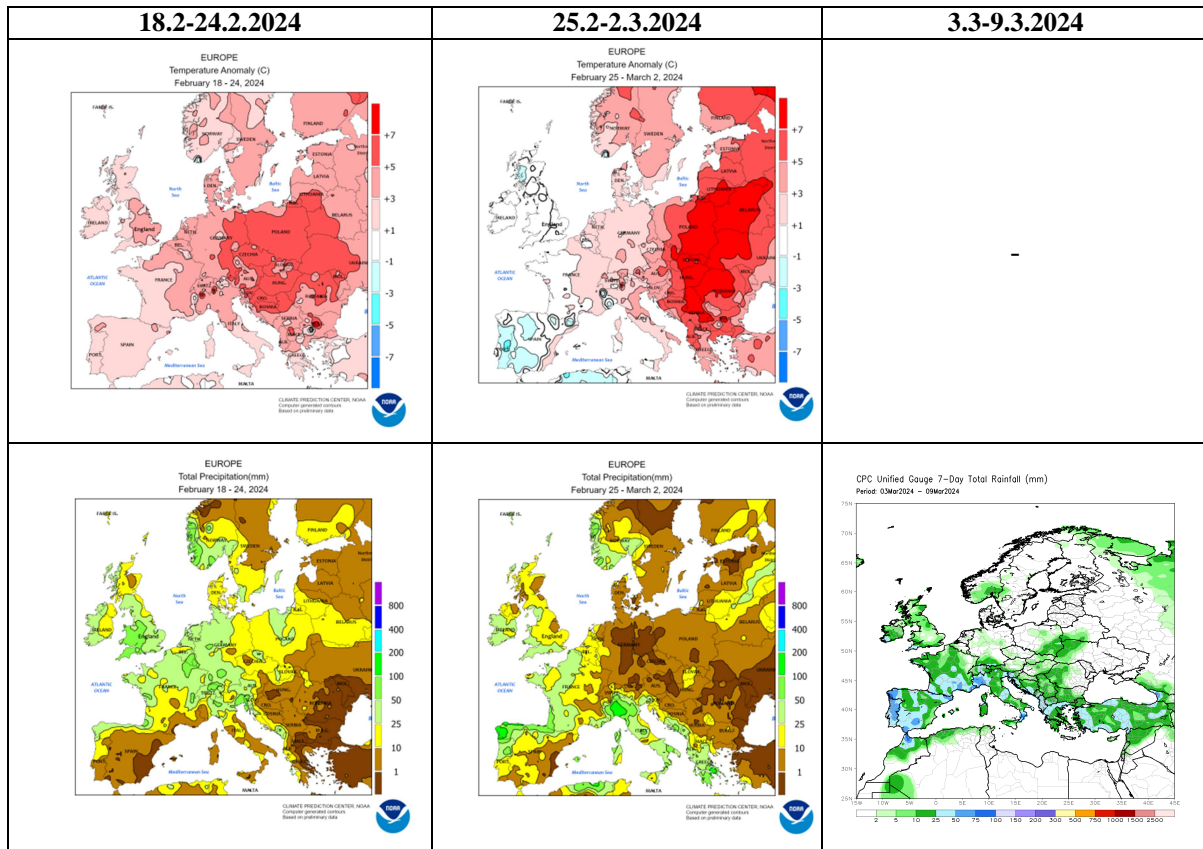


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

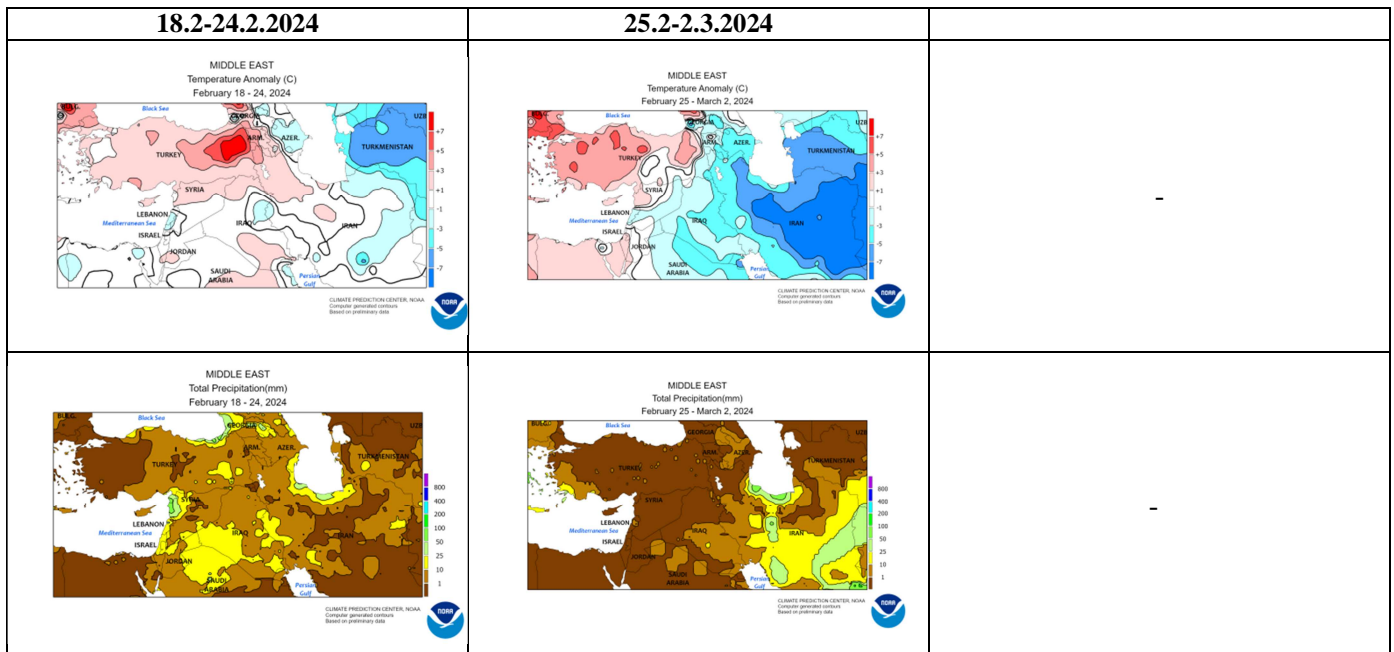


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

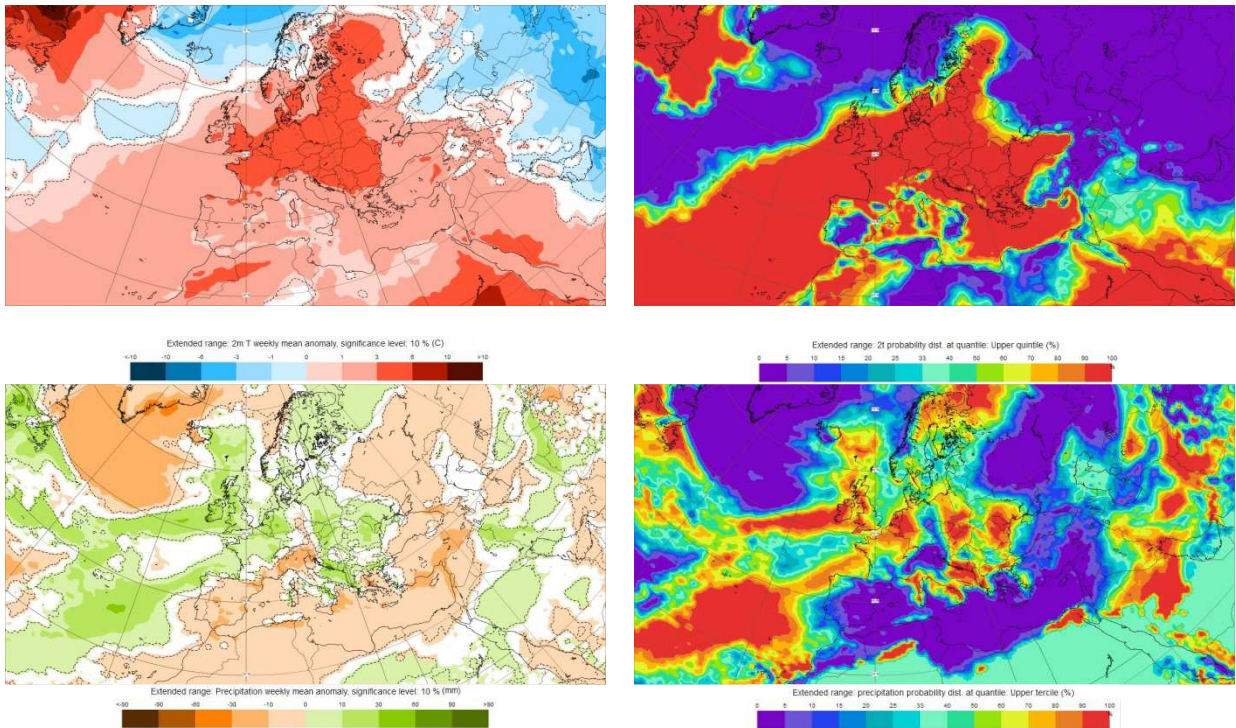


Figure 3. Outlook for the temperature anomalies and probability for the upper quintile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 11–17.3.2024 period (source: European Centre for Medium-Range Weather Forecasts)

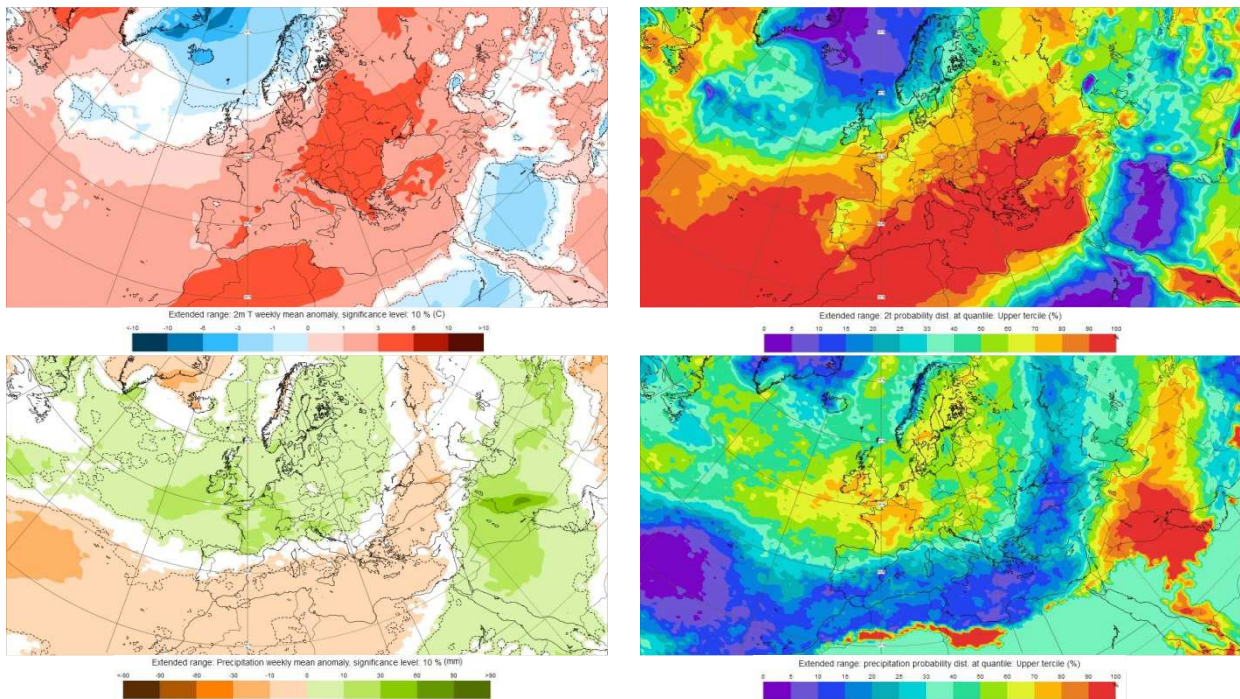


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 18–24.3.2024 period (source: European Centre for Medium-Range Weather Forecasts)

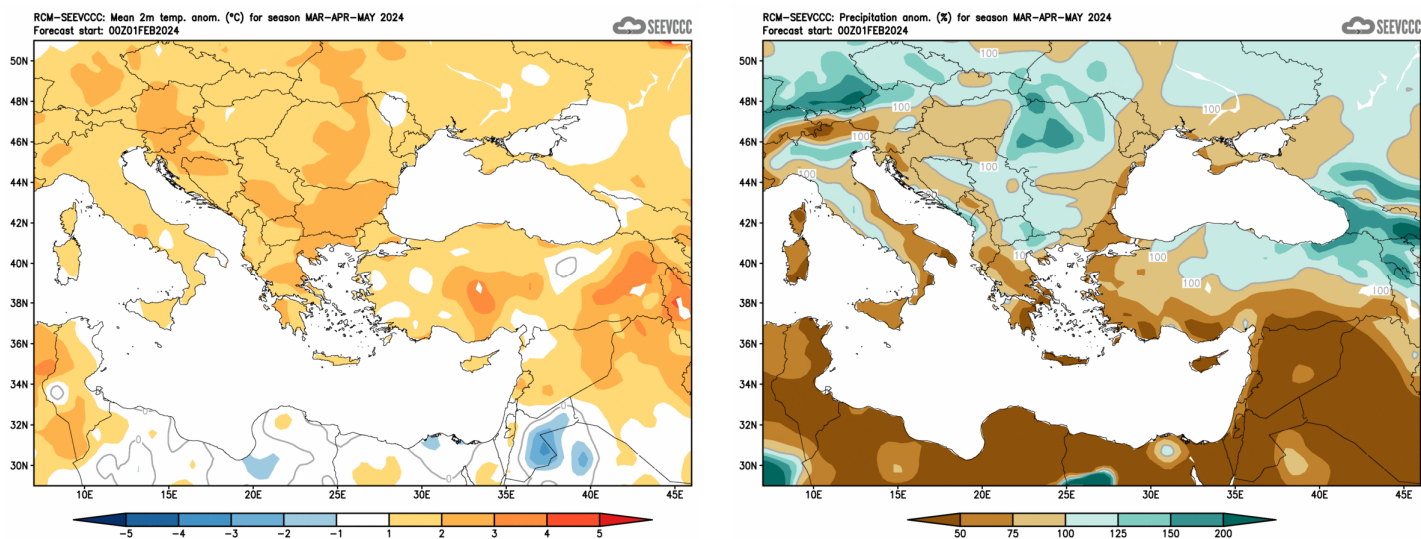


Figure 5. Mean seasonal temperature and precipitation anomaly for the season MAM (seasonal outlook from RCM – SEEVCCC)

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>)