

Climate Watch (Serial No.: 20240325–13)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 25-3-2024 16:00

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Valid from – to: 25-3-2024 – 30-6-2024 Next amendment: 1-4-2024

Region of concern: **SEE region**

„ Within the first week (25 to 31 March 2024), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly up to +6°C in almost the entire region. Probability for exceeding upper tercile (top third of the highest temperature) is around 90%. Precipitation surplus is expected along the Adriatic coast, eastern Balkans and central part of Ukraine with probability for exceeding upper tercile (top third of the highest precipitation) around 80%. Precipitation deficit is predicted for the central Balkans and northern Turkey, with up to 70% probability for exceeding lower tercile (bottom third of the lowest precipitation). “

Monitoring

During the period from 17 to 23 March 2024, weekly precipitation sums were up to 100 mm in eastern Turkey. In rest of the SEE region precipitation totals were up to 25 mm.

Outlook

Within the first week (25 to 31 March 2024), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly up to +6°C in almost the entire region. Probability for exceeding upper tercile (top third of the highest temperature) is around 90%. Precipitation surplus is expected along the Adriatic coast, eastern Balkans and central part of Ukraine with probability for exceeding upper tercile (top third of the highest precipitation) around 80%. Precipitation deficit is predicted for the central Balkans and northern Turkey, with up to 70% probability for exceeding lower tercile (bottom third of the lowest precipitation).

During the second week (1 to 7 April 2024), above normal mean weekly air temperature is forecasted, with anomaly up to +6°C, in the entire region. Probability for exceeding upper tercile (top third of the highest temperature) is around 90%. Precipitation surplus is expected along the northern Adriatic with up to 60% probability for exceeding upper tercile (top third of the highest precipitation). Precipitation deficit is predicted for the southern Balkans, Turkey and South Caucasus, with up to 70% probability for exceeding lower tercile (bottom third of the lowest 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 1-4-2024

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

ANNEX

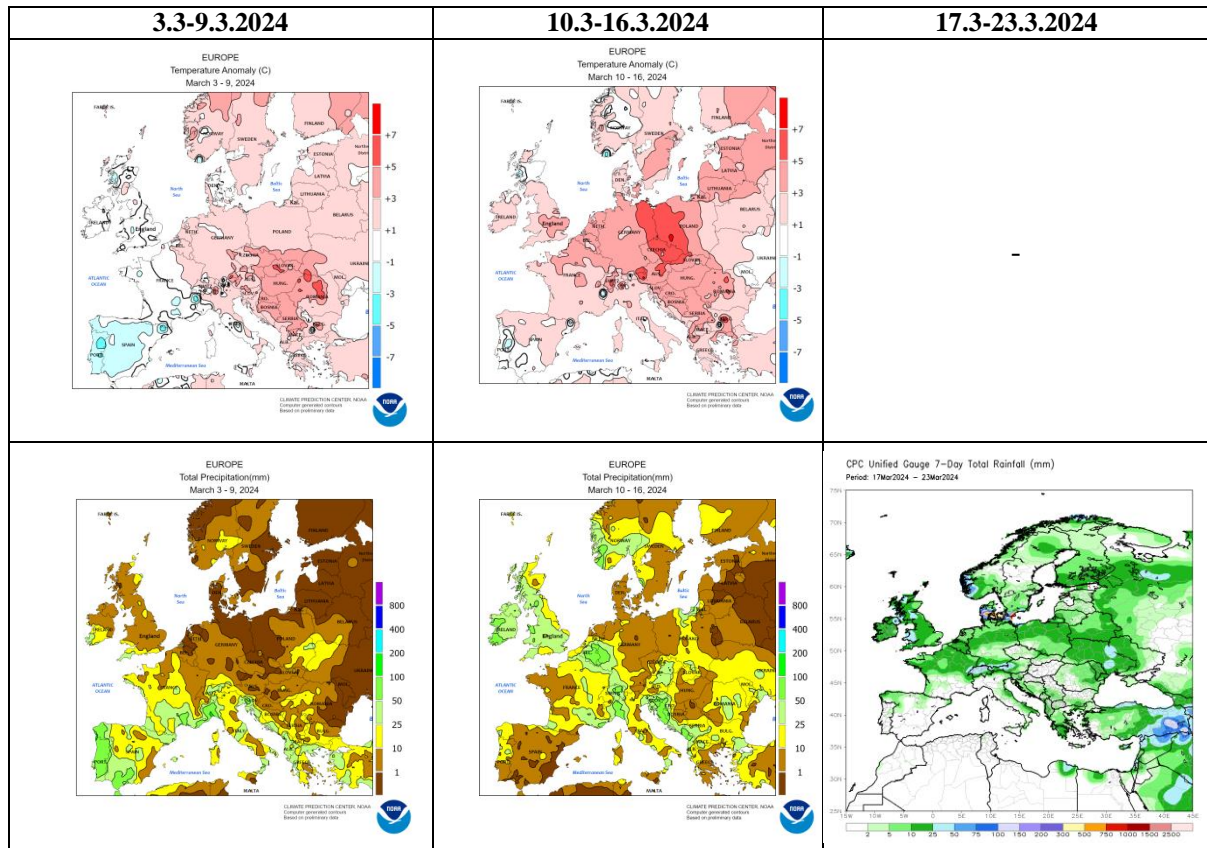


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

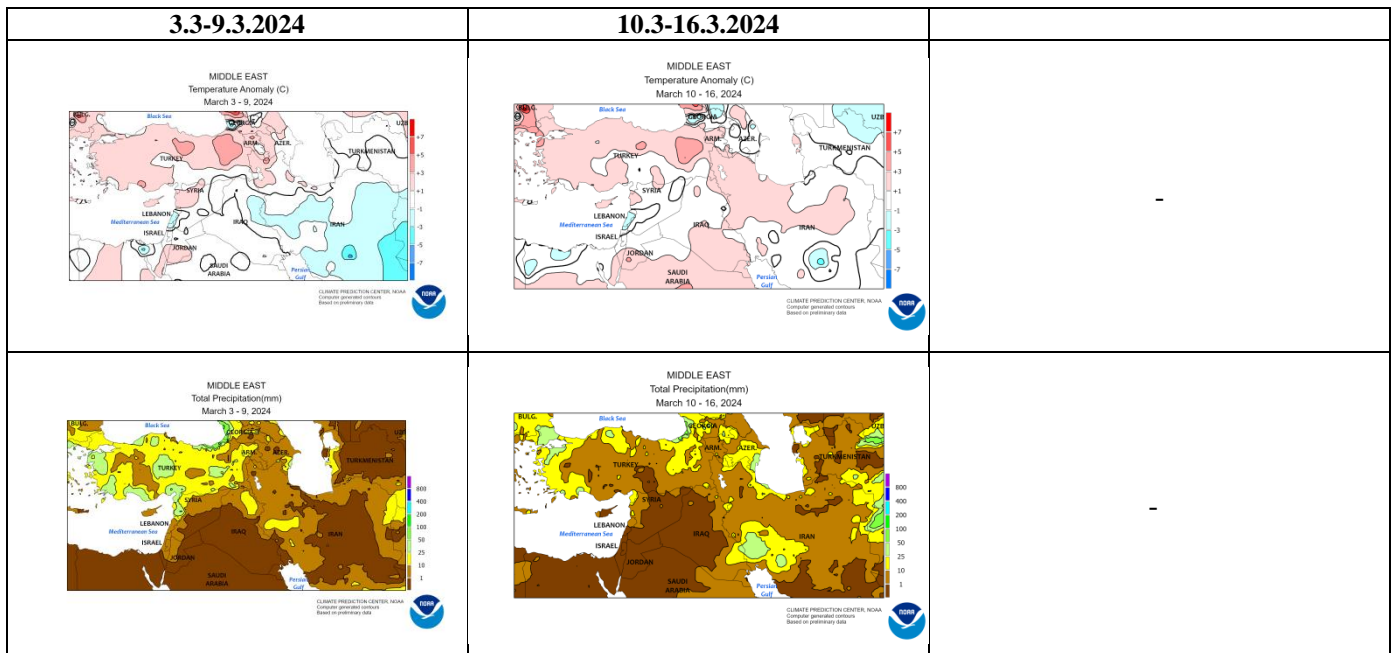


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

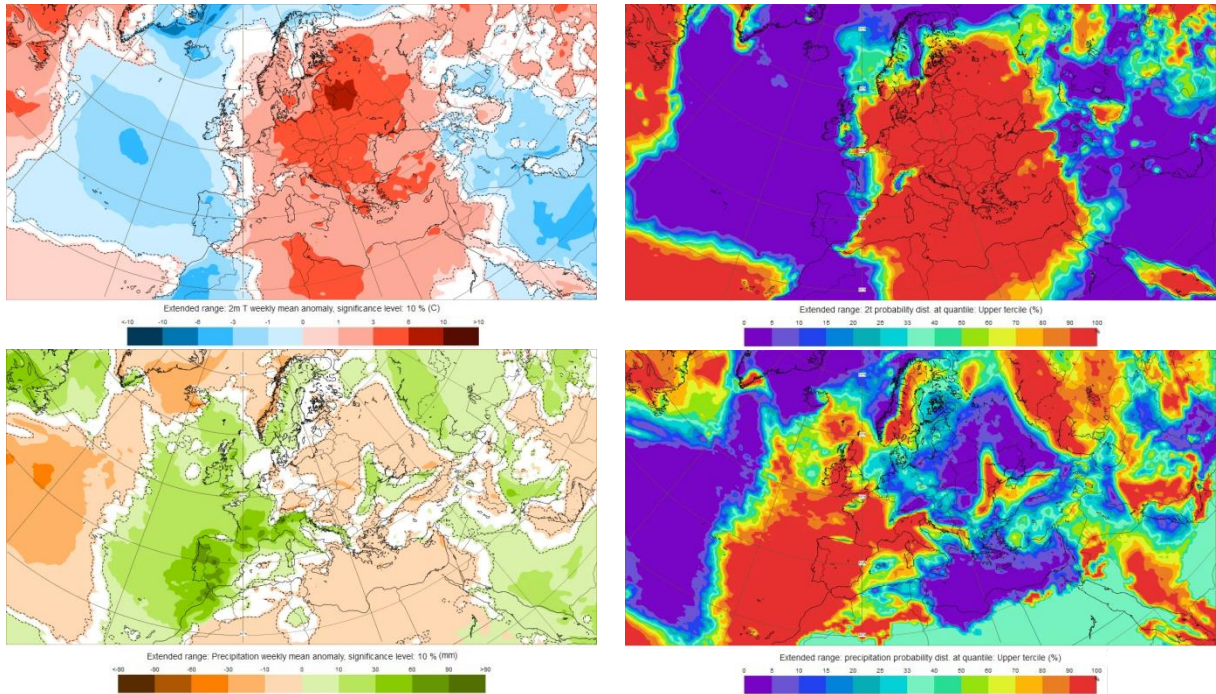


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 25–31.3.2024 period (source: European Centre for Medium-Range Weather Forecasts)

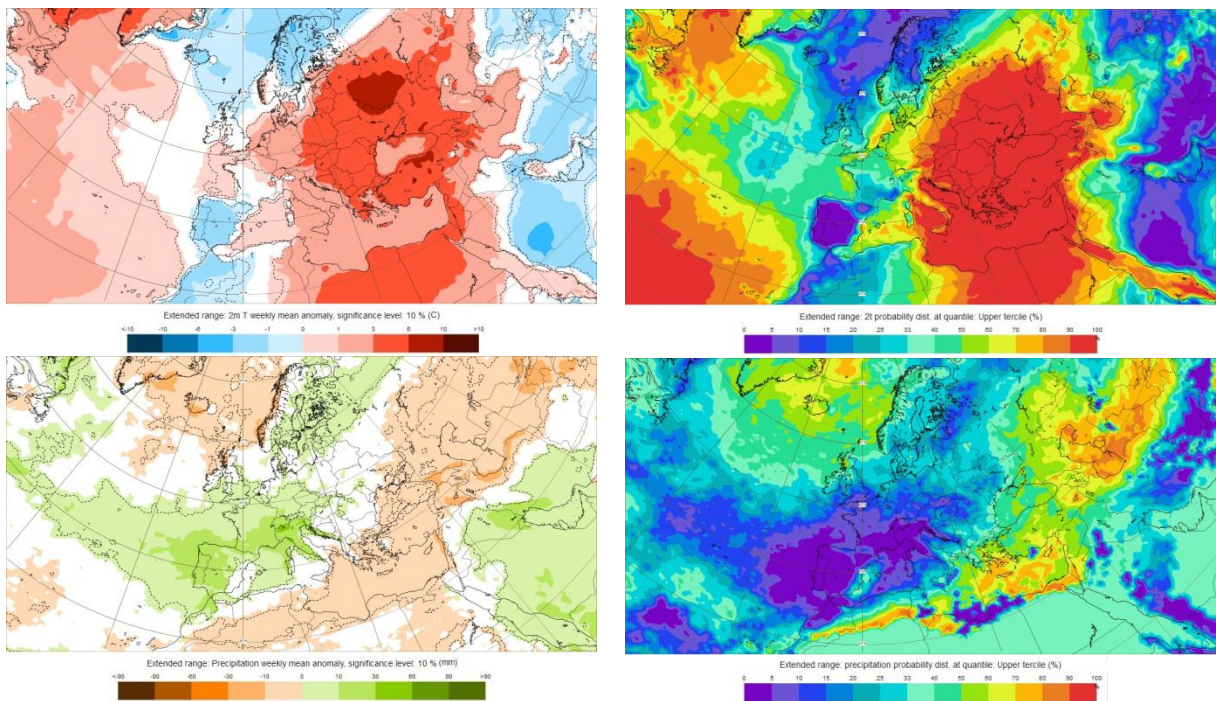


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 1–7.4.2024 period (source: European Centre for Medium-Range Weather Forecasts)

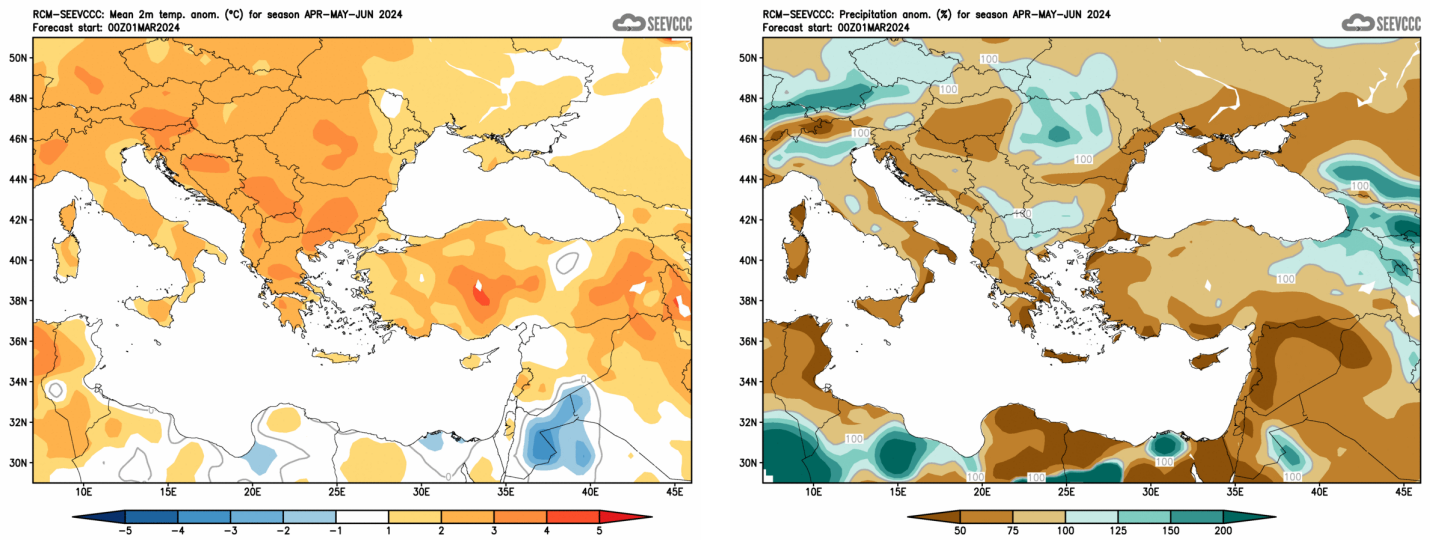


Figure 5. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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>)