

## Climate Watch (Serial No.: 20240415–16)

Initial/Updated/Final

Topic: **temperature** and **precipitation**

Organization issuing SEEVCCC

the statement:

Issued/ Amended / 15-4-2024 16:00

Cancelled

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Valid from – to: 15-4-2024 – 30-6-2024

Next amendment: 22-4-2024

Region of concern: **SEECOF region**

**„ Within the first week (15 to 21 April 2024), ECMWF monthly forecast predicts above average mean weekly air temperature in Turkey, South Caucasus, Moldova, Cyprus, the eastern and southern Balkans, most of Romania, Middle East and most of Ukraine. Temperature anomaly is up to +6°C in Turkey, South Caucasus, eastern parts of Ukraine, Moldova, Romania and Bulgaria, while anomaly up to +3°C is expected elsewhere. In northernmost part of Ukraine temperature anomaly is up to +10°C. Probability for exceeding upper tercile (top third of the highest temperature) is above 90%. Precipitation surplus is predicted in most of the Balkans, most of Ukraine, Romania and Moldova, with up to 90% probability for exceeding upper tercile (top third of the highest precipitation) in most parts. Precipitation deficit is expected in eastern Turkey and South Caucasus, with around 90% probability for exceeding lower tercile (bottom third of the lowest precipitation). “**

### Monitoring

During the period from 7 to 13 April 2024, weekly precipitation sums were below 10 mm in most of the SEECOF region. Precipitation totals in southeastern Turkey and southwestern Georgia were up to 50 mm, in some locations even up to 75 mm.

## **Outlook**

Within the first week (15 to 21 April 2024), ECMWF monthly forecast predicts above average mean weekly air temperature in Turkey, South Caucasus, Moldova, Cyprus, the eastern and southern Balkans, most of Romania, Middle East and most of Ukraine. Temperature anomaly is up to +6°C in Turkey, South Caucasus, eastern parts of Ukraine, Moldova, Romania and Bulgaria, while anomaly up to +3°C is expected elsewhere. In northernmost part of Ukraine temperature anomaly is up to +10°C. Probability for exceeding upper tercile (top third of the highest temperature) is above 90%. Below average mean weekly air temperature is predicted for the western Balkans and western Ukraine, with anomaly up to -3°C and probability around 80% for exceeding lower tercile (bottom third of the lowest temperature). Precipitation surplus is predicted in most of the Balkans, most of Ukraine, Romania and Moldova, with up to 90% probability for exceeding upper tercile (top third of the highest precipitation) in most parts. Precipitation deficit is expected in eastern Turkey and South Caucasus, with around 90% probability for exceeding lower tercile (bottom third of the lowest precipitation).

During the second week (22 to 28 April 2024), above normal mean weekly air temperature is forecasted for the easternmost Balkans, in the area of the Aegean Sea, most of Ukraine, Cyprus, Turkey, Middle East and South Caucasus, with anomaly up to +3°C. Probability for exceeding upper tercile (top third of the highest temperature) is around 70% in most parts and up to 90% in the area of the Aegean Sea and South Caucasus. Precipitation sums are expected to be within average values.

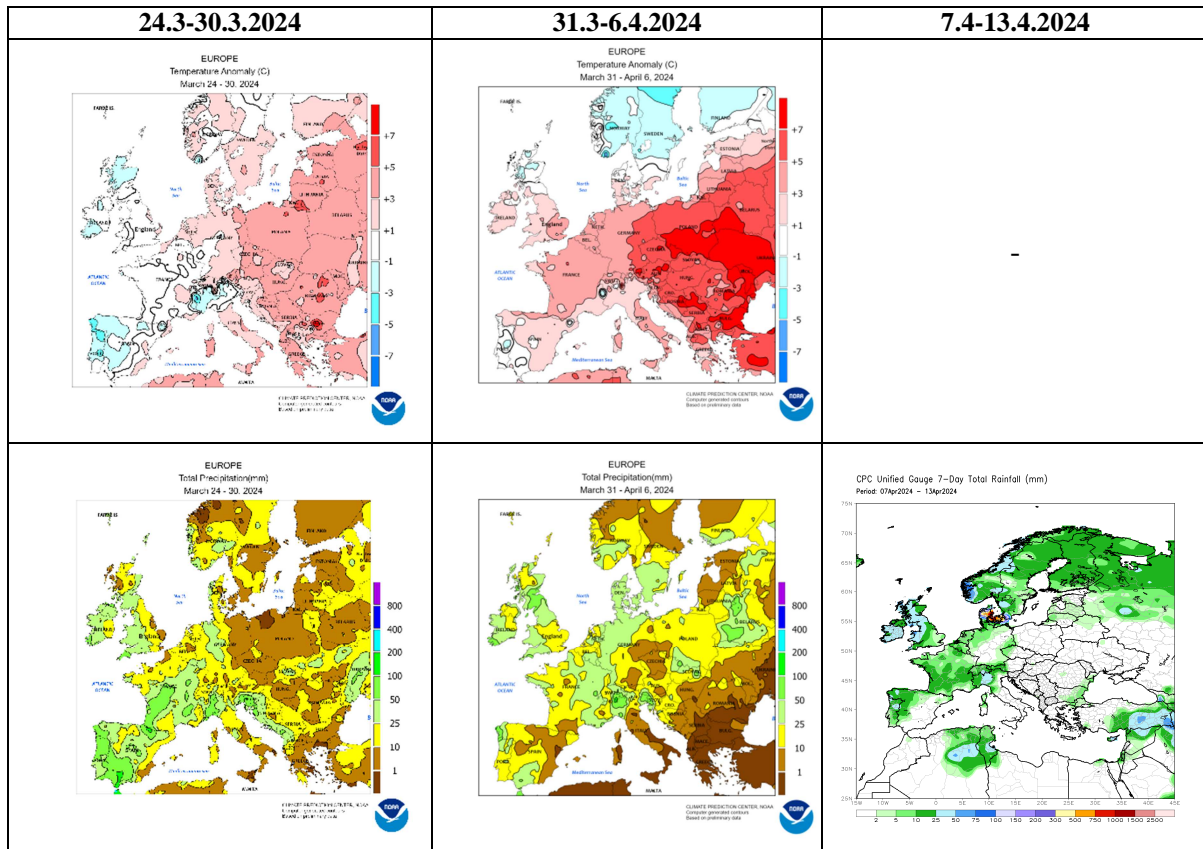
During the following three months (April, May and June), seasonal forecast predicts above average seasonal air temperature in the Balkans, Romania, western Ukraine, central and eastern Turkey. Precipitation surplus is expected in the Carpathians, northeastern Turkey and South Caucasus. Precipitation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

## **Update**

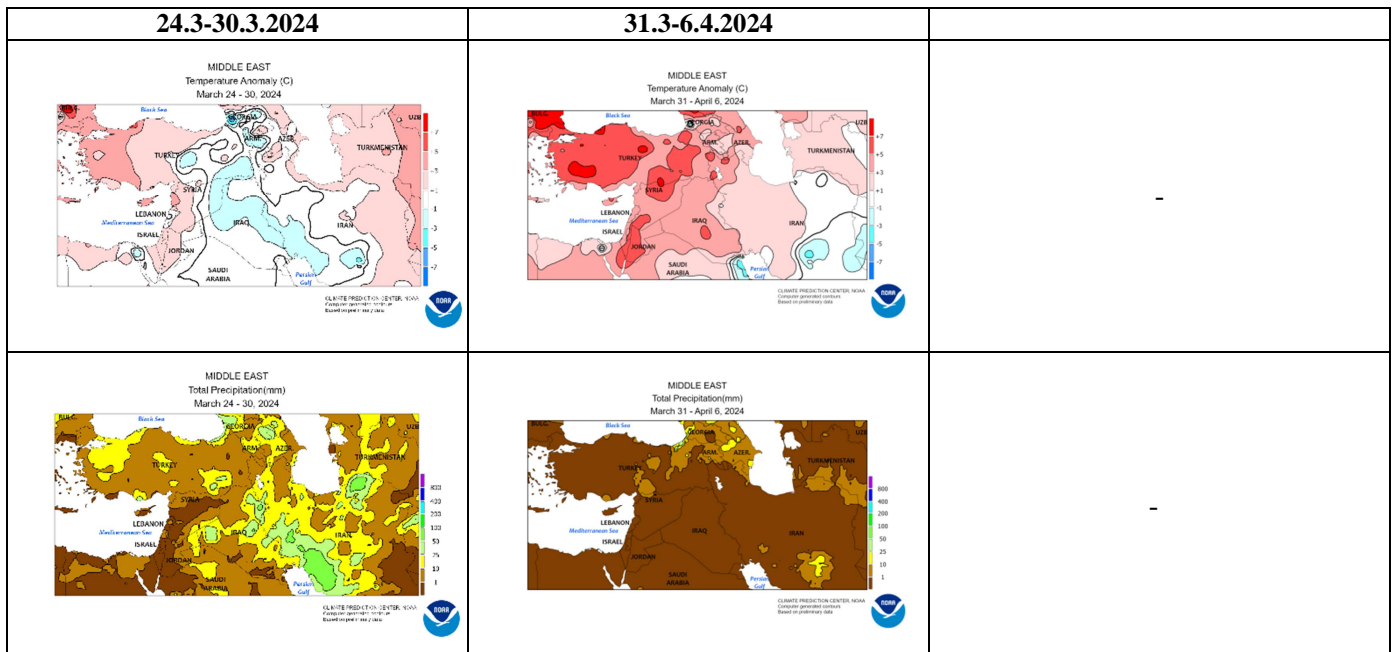
An updated statement will be issued on 22-4-2024

For further information, please contact [cws-seevccc@hidmet.gov.rs](mailto:cws-seevccc@hidmet.gov.rs)

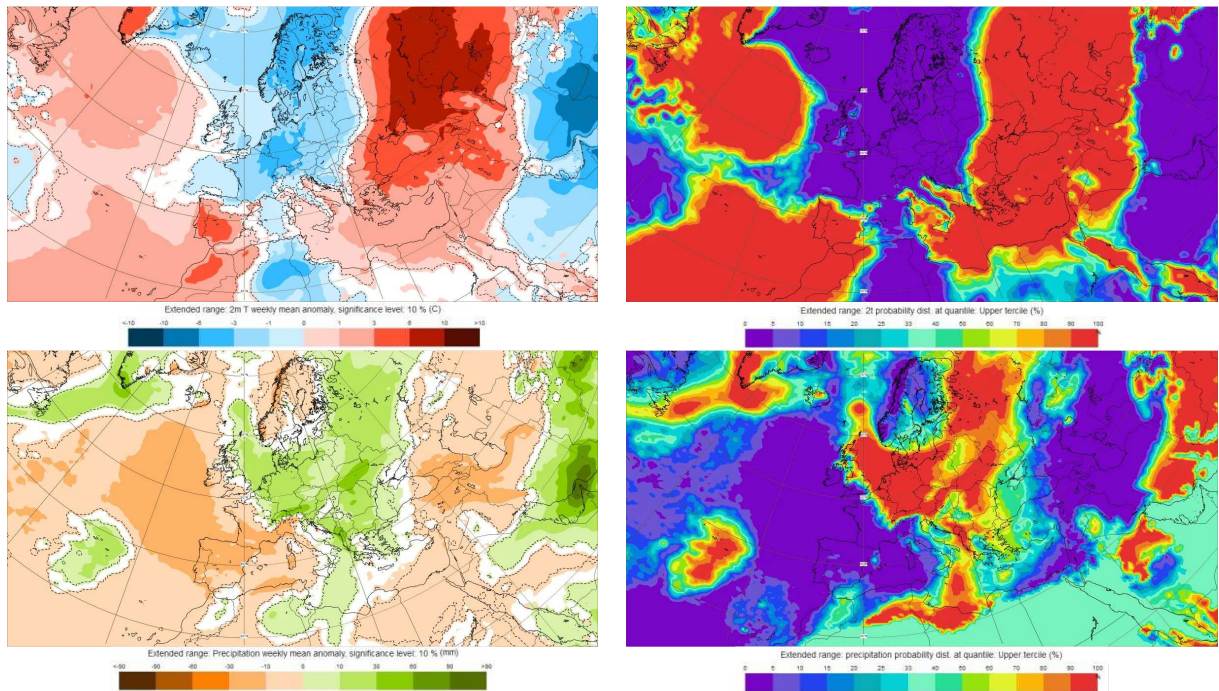
**ANNEX**



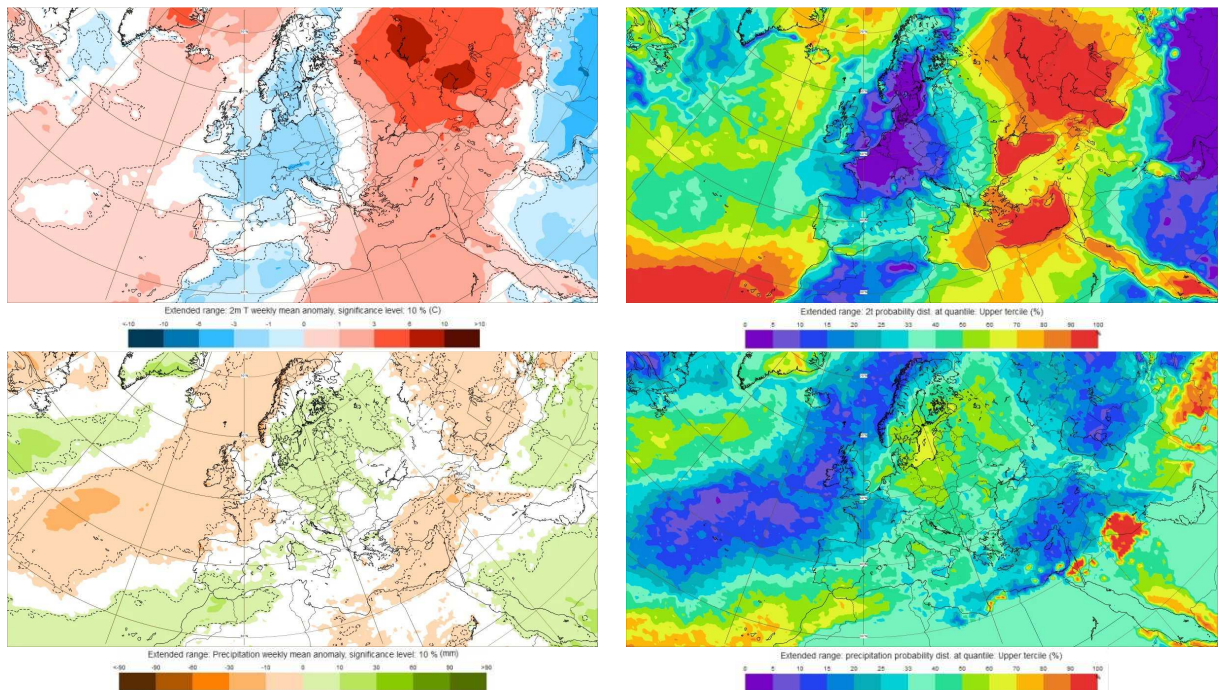
**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



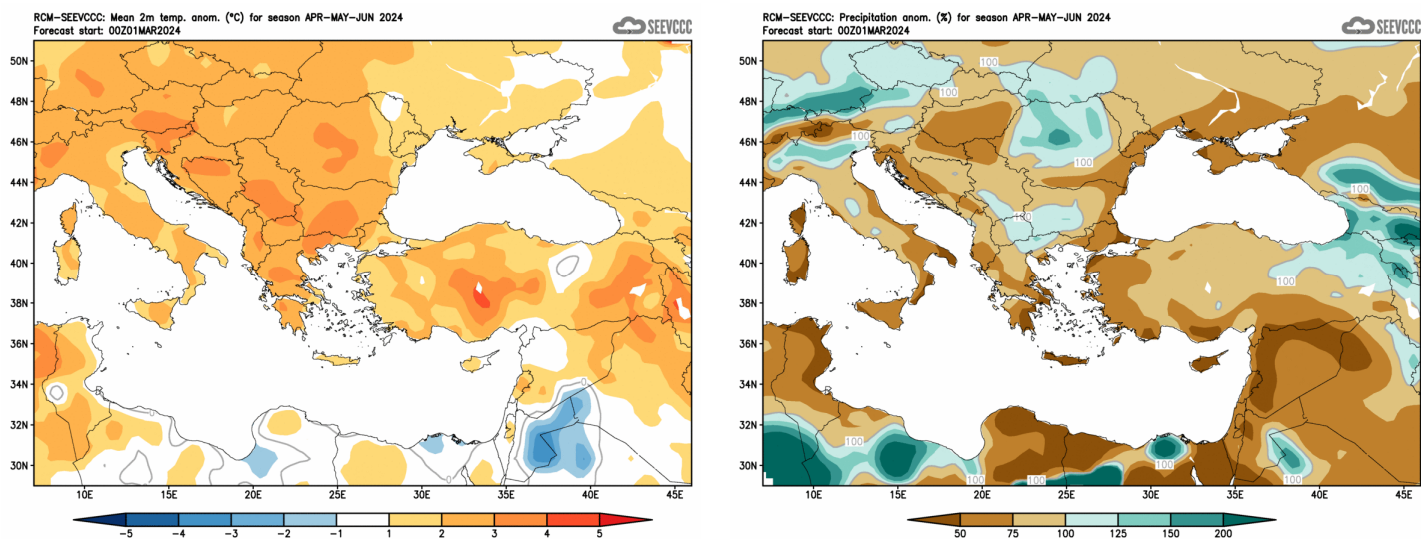
**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)



**Figure 3.** Outlook for the temperature anomalies and probability for the upper decile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 15–21.4.2024 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 22–28.4.2024 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](http://www.hidmet.gov.rs))
- South East European Virtual Climate Change Center ([www.seevccc.rs](http://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>)