Climate Watch (Serial No.: 20240610–24)

Initial/Updated/Final

Topic: **temperature**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 10-6-2024 16:00

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Valid from – to: 10-6-2024 – 31-8-2024 Next amendment: 17-6-2024

Region of concern: **the Balkans, Cyprus, Turkey, Middle East, Ukraine**

„ Within the first week (10 to 16 June 2024), ECMWF monthly forecast predicts above normal mean weekly air temperature in most of the entire SEECOF region, with anomaly up to +10°C in southern Greece, Cyprus, western and southern Turkey. Probability for upper tercile is over 90%. During the second week (17 to 23 June 2024) above average mean weekly air temperature is expected in the entire SEE region, with anomaly up to +6°C in the Balkans, Cyprus, Turkey and Middle East. Probability for exceeding upper tercile is over 90% in most parts, beside Ukraine where probability is up to 80% in western and southern parts. “

Monitoring

During the period from 2 to 8 June 2024, weekly precipitation sums were around 100 mm in the northwestern Balkans, up to 50 mm in Montenegro and around 25 mm in Carpathian Mountains and northern Ukraine. In rest of the SEECOF region, precipitation sums were below 10 mm.

Outlook

Within the first week (10 to 16 June 2024), ECMWF monthly forecast predicts above normal mean weekly air temperature in most of the entire SEECOF region, with anomaly up to +10°C in southern Greece, Cyprus, western and southern Turkey. Probability for upper tercile is over 90% (top third of the highest temperature). Precipitation surplus is expected in the northwestern Balkans, Carpathian Mountains and Ukraine, with up to 90% probability for exceeding upper tercile (top third of the highest precipitation). Precipitation deficit is expected in the southern Balkans and Turkey, with up to 90% probability for exceeding lower tercile (bottom third of the lowest precipitation).

During the second week (17 to 23 June 2024), above average mean weekly air temperature is expected in the entire SEE region, with anomaly up to +6°C in the Balkans, Cyprus, Turkey and Middle East. Probability for exceeding upper tercile is over 90% in most parts, beside Ukraine where probability is up to 80% in western and southern parts (top third of the highest temperature). Precipitation deficit is predicted for the Balkans and Turkey, with around 70% probability for exceeding lower tercile (bottom third of the lowest precipitation).

During the following three months (June, July and August), seasonal forecast predicts above average seasonal air temperature in most parts of the Balkans, Ukraine, Moldova, as well as some parts of central and eastern Turkey and Georgia. Precipitation surplus is expected in the Carpathians, northeastern Turkey and Georgia. Precipitation deficit is forecasted for Pannonian Plain, coastal areas of the Balkans, southern Ukraine, Cyprus, and western, central and southern Turkey.

Update

An updated statement will be issued on 17-6-2024

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

ANNEX

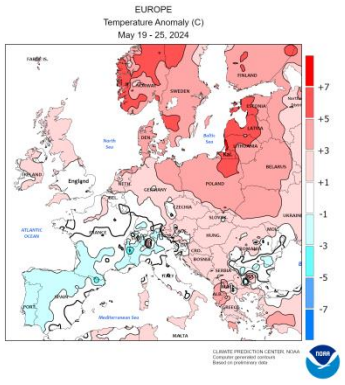
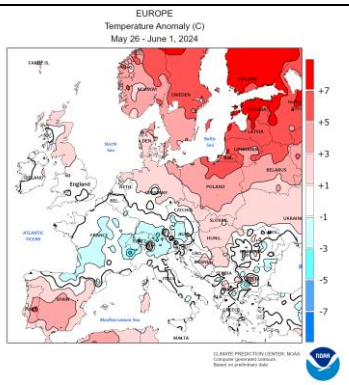
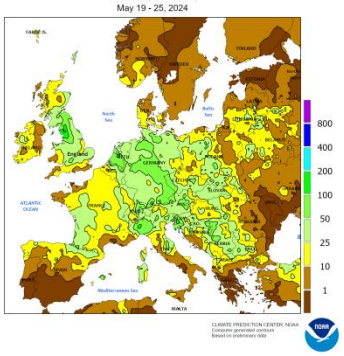
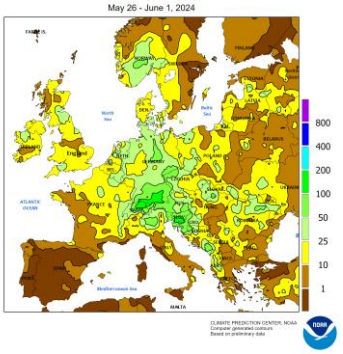
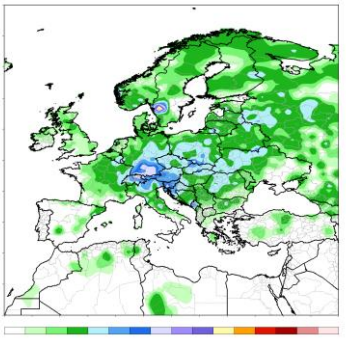
19.5-25.5.2024.	26.5-1.6.2024.	2.6-8.6.2024.
		-
		

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

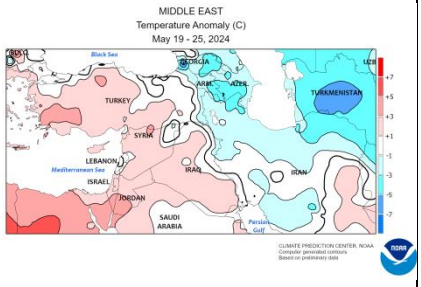
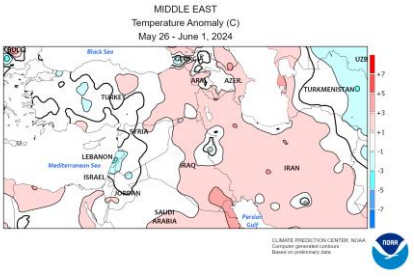
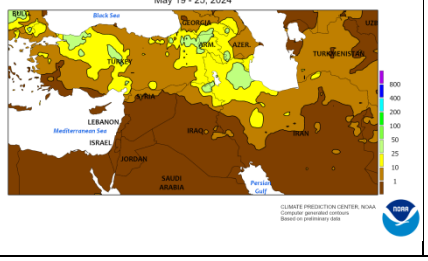
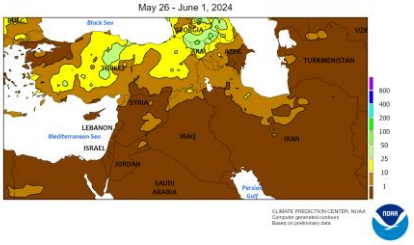
19.5-25.5.2024.	26.5-1.6.2024.	
		-
		-

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

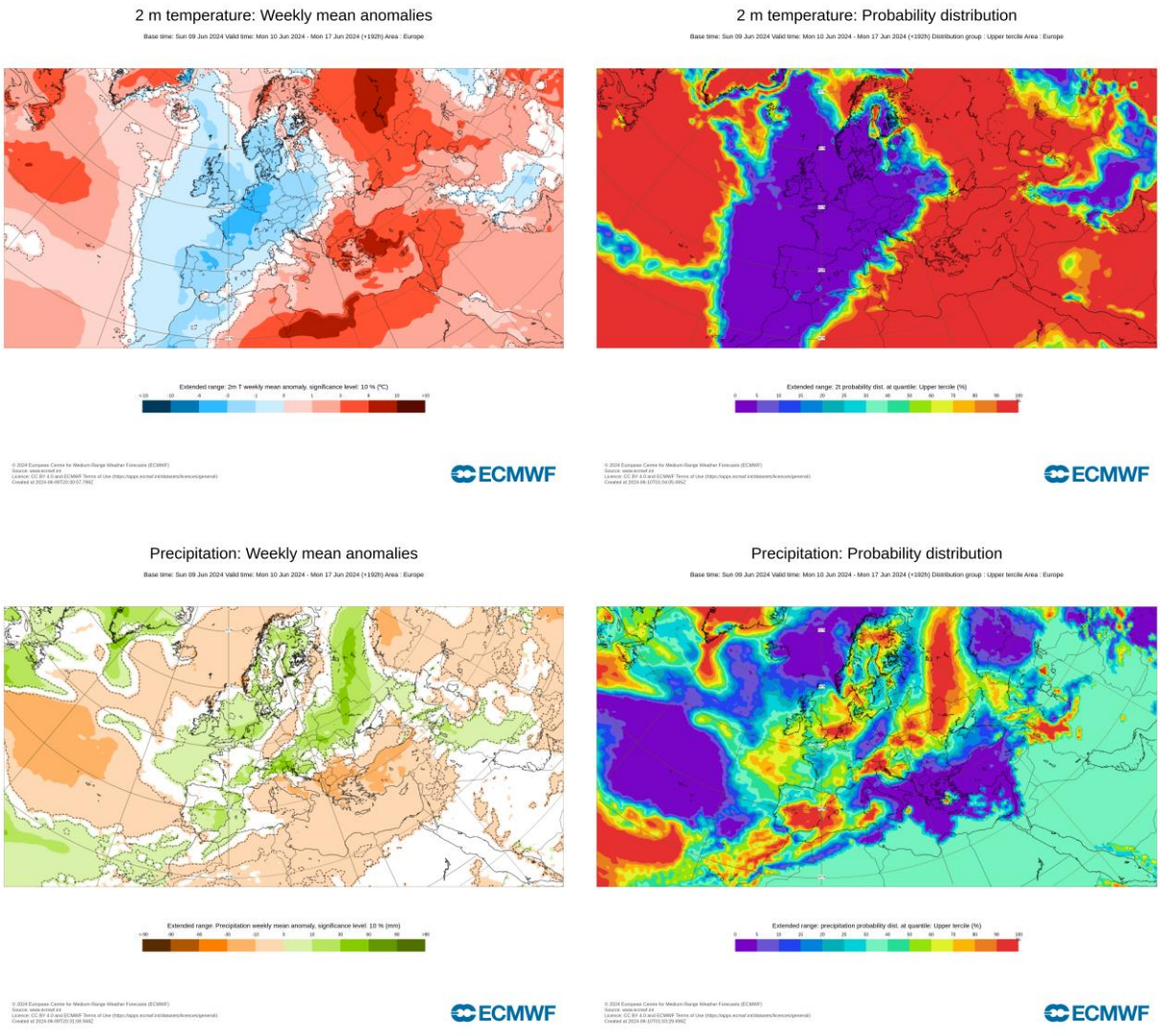


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 10.6–16.6.2024 period (source: European Centre for Medium-Range Weather Forecasts)

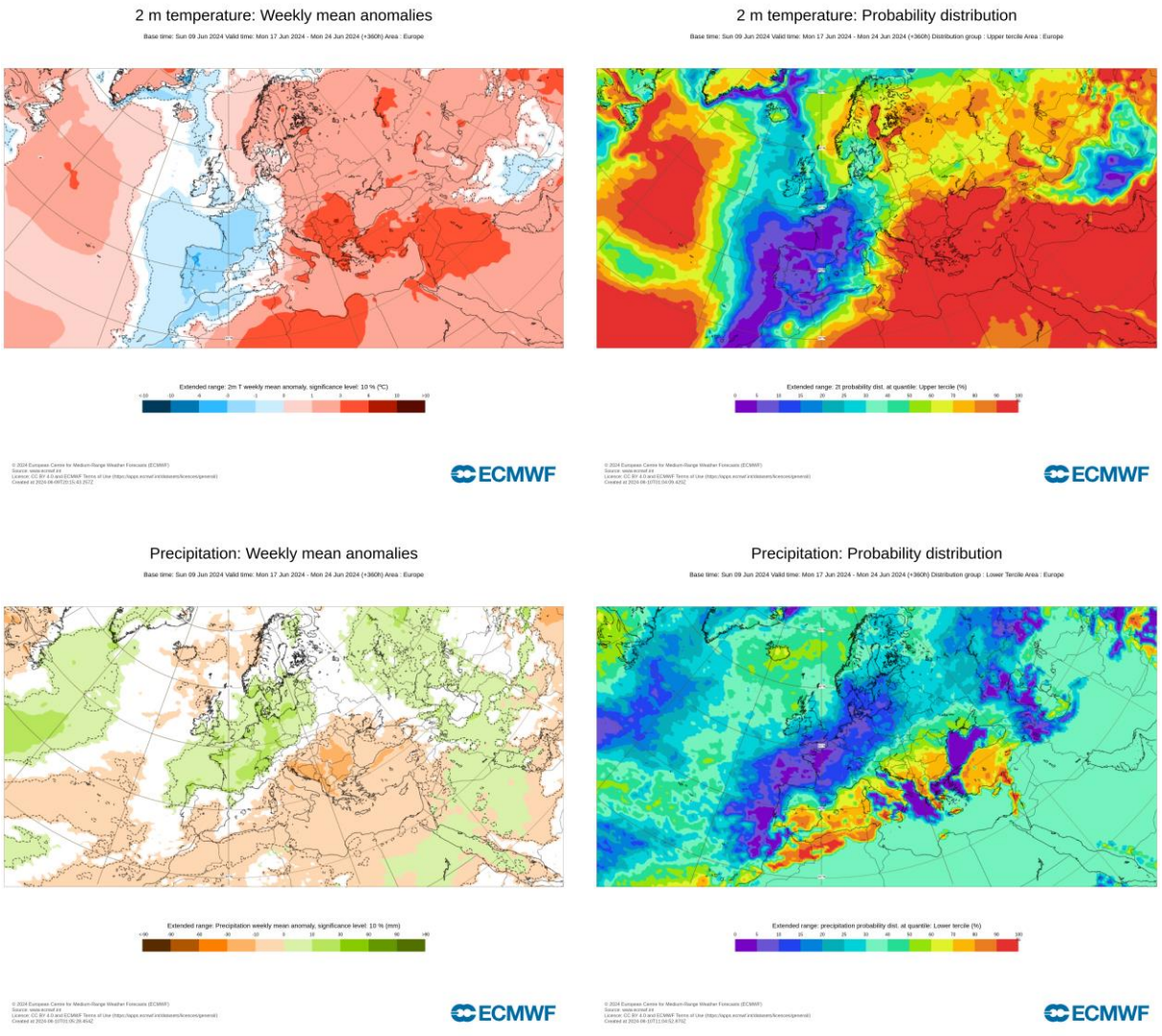


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 17.6–23.6.2024 period (source: European Centre for Medium-Range Weather Forecasts)

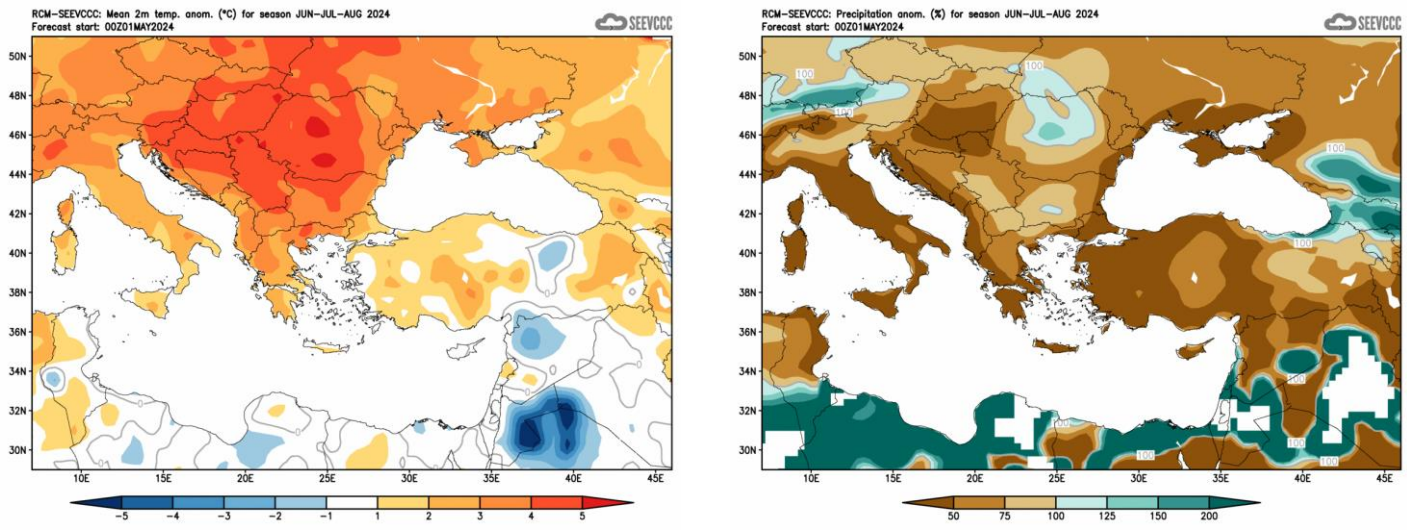


Figure 5. Mean seasonal temperature and precipitation anomaly for the season JJA (seasonal outlook from RCM – SEEVCCC)

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)