

## Climate Watch (Serial No.: 20240603–23)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / 3-6-2024 16:00

Cancelled

Contact:

E-mail: [cws-seevccc@hidmet.gov.rs](mailto:cws-seevccc@hidmet.gov.rs)

Phone: +381112066925

Fax: +381112066929

Valid from – to: 3-6-2024 – 31-8-2024

Next amendment: 10-6-2024

Region of concern: **SEE**

**„ Within the first week (3 to 9 June 2024), ECMWF monthly forecast predicts above normal mean weekly air temperature in the entire SEE region, with anomaly up to +6°C. Probability for upper tercile is over 90% (top third of the highest temperature). Precipitation deficit is expected in most of the region (bottom third of the lowest precipitation). “**

### Monitoring

During the period from 26 May to 1 June 2024, weekly precipitation sums were up to 25 mm in most of the SEECOF region. Precipitation sums around 75 mm were recorded in Montenegro, part of central Turkey and South Caucasus.

## **Outlook**

Within the first week (3 to 9 June 2024), ECMWF monthly forecast predicts above normal mean weekly air temperature in the entire SEE region, with anomaly up to +6°C. Probability for upper tercile is over 90% (top third of the highest temperature). Precipitation deficit is expected in most of the region (bottom third of the lowest precipitation).

During the second week (10 to 16 June 2024), above average mean weekly air temperature is expected in the entire SEE region, with anomaly up to +6°C. Probability for exceeding upper tercile is up to 90% in most parts, while in the northern Balkans, western Romania, Moldova, and western Ukraine probability is up to 70% (top third of the highest temperature). Precipitation deficit is predicted for western Turkey, Aegean Sea and the western and southern Balkans, with up to 80% probability for exceeding lower tercile (bottom third of the lowest precipitation).

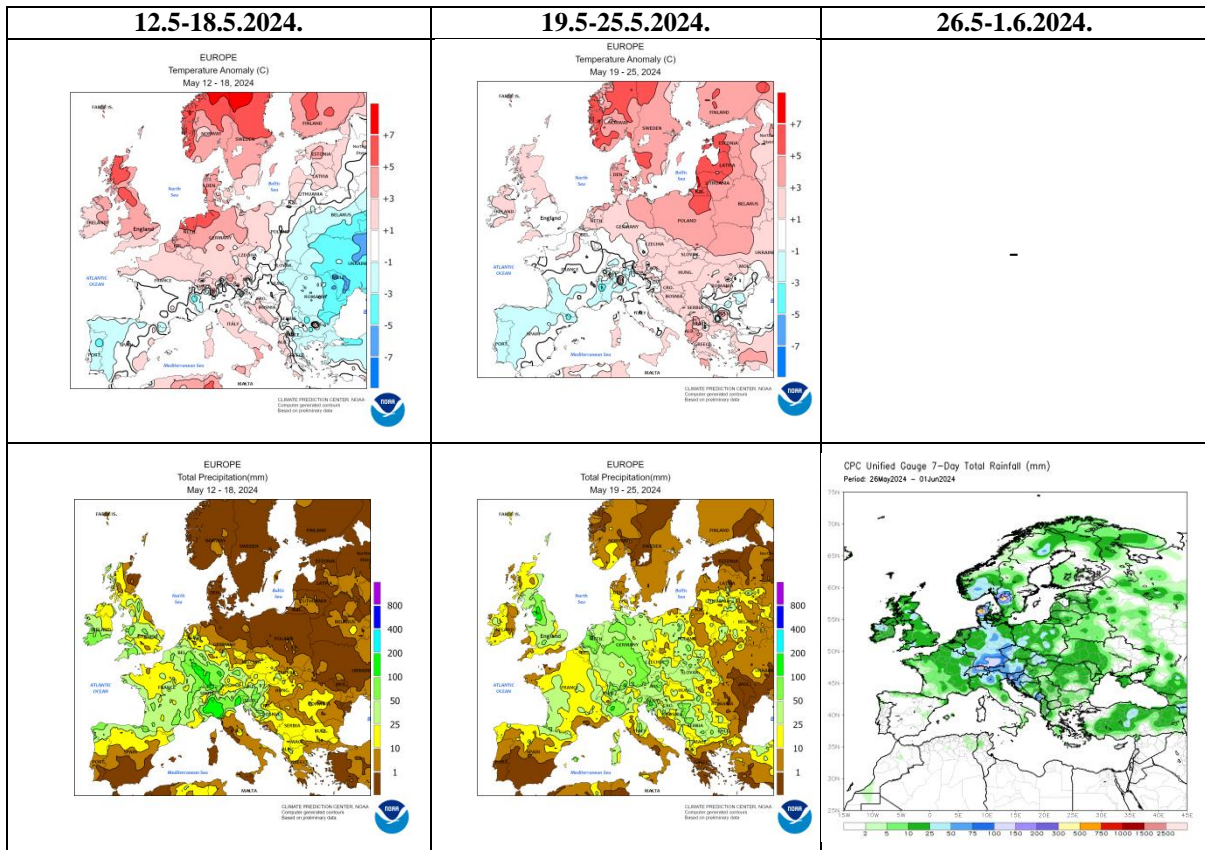
During the following three months (June, July and August), seasonal forecast predicts above average seasonal air temperature in most parts of the Balkans, Ukraine, Moldova, as well as some parts of central and eastern Turkey and Georgia. Precipitation surplus is expected in the Carpathians, northeastern 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**

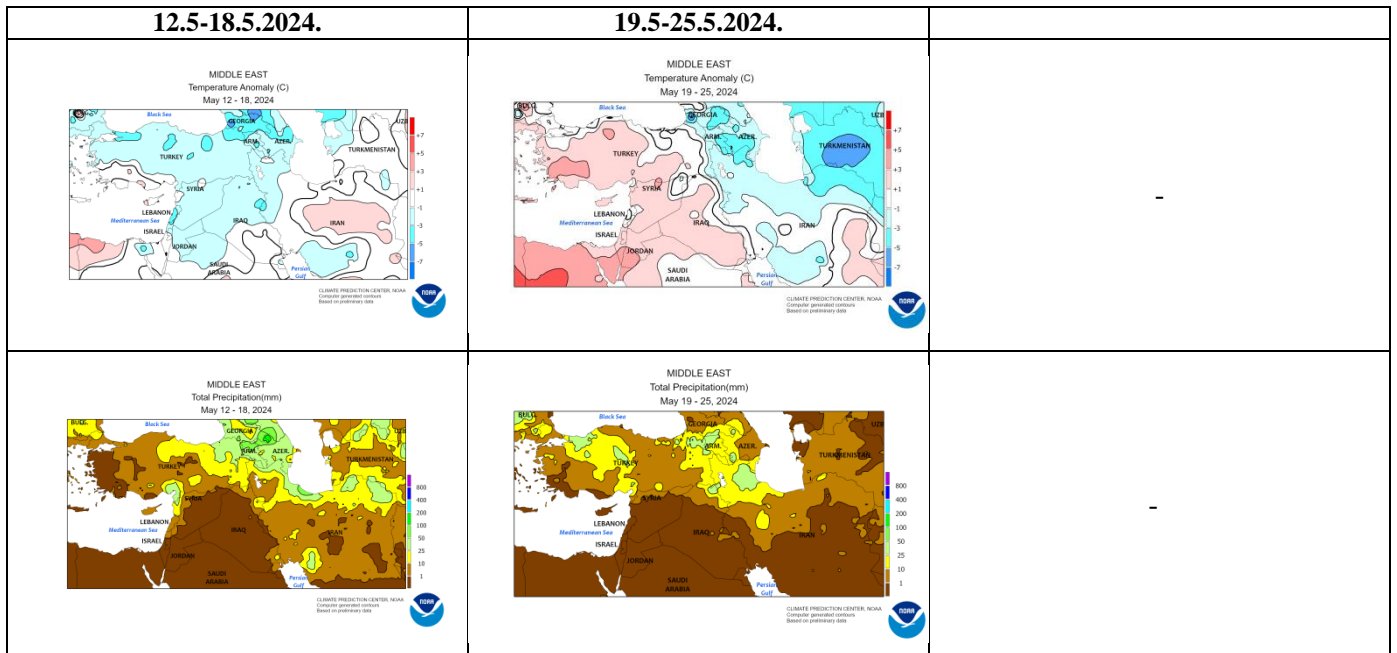
An updated statement will be issued on 10-6-2024

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

**ANNEX**



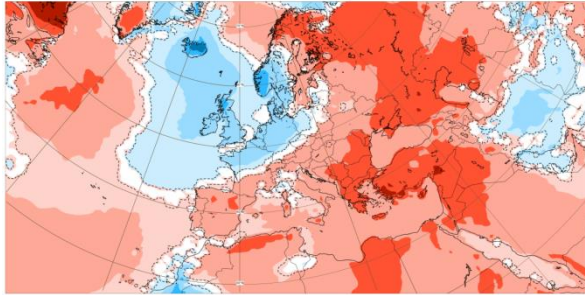
**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



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

### 2 m temperature: Weekly mean anomalies

Base time: Sun 02 Jun 2024 Valid time: Mon 03 Jun 2024 - Mon 10 Jun 2024 (+150h) Area: Europe



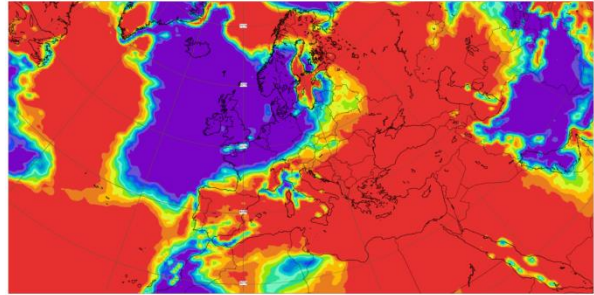
Extended range: 2m T weekly mean anomaly, significance level: 20 % (°C)

© 2024 European Centre for Medium-Range Weather Forecasts (ECMWF)  
Source: meteorology.ecmwf.eu  
Content: CC BY 4.0 and EUMETSAT Terms of Use (https://www.ecmwf.int/en/pressroom/faq)  
Created at: 2024-06-02T10:10:26.812Z



### 2 m temperature: Probability distribution

Base time: Sun 02 Jun 2024 Valid time: Mon 03 Jun 2024 - Mon 10 Jun 2024 (+150h) Distribution group: Upper tercile Area: Europe



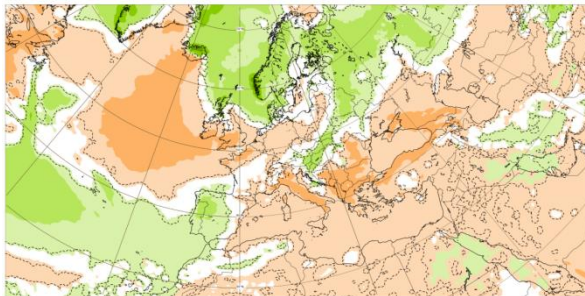
Extended range: 2m probability dist. at quartile: Upper tercile (%)

© 2024 European Centre for Medium-Range Weather Forecasts (ECMWF)  
Source: meteorology.ecmwf.eu  
Content: CC BY 4.0 and EUMETSAT Terms of Use (https://www.ecmwf.int/en/pressroom/faq)  
Created at: 2024-06-02T10:10:26.792Z



### Precipitation: Weekly mean anomalies

Base time: Sun 02 Jun 2024 Valid time: Mon 03 Jun 2024 - Mon 10 Jun 2024 (+150h) Area: Europe



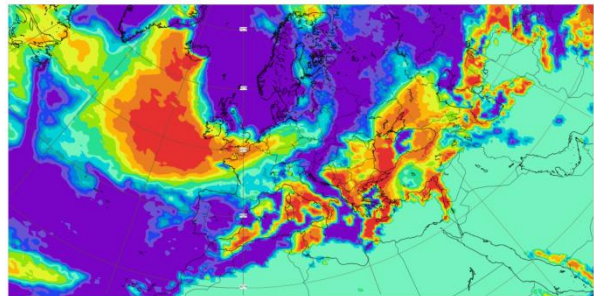
Extended range: Precipitation weekly mean anomaly, significance level: 10 % (mm)

© 2024 European Centre for Medium-Range Weather Forecasts (ECMWF)  
Source: meteorology.ecmwf.eu  
Content: CC BY 4.0 and EUMETSAT Terms of Use (https://www.ecmwf.int/en/pressroom/faq)  
Created at: 2024-06-02T10:10:26.842Z



### Precipitation: Probability distribution

Base time: Sun 02 Jun 2024 Valid time: Mon 03 Jun 2024 - Mon 10 Jun 2024 (+150h) Distribution group: Lower Tercile Area: Europe

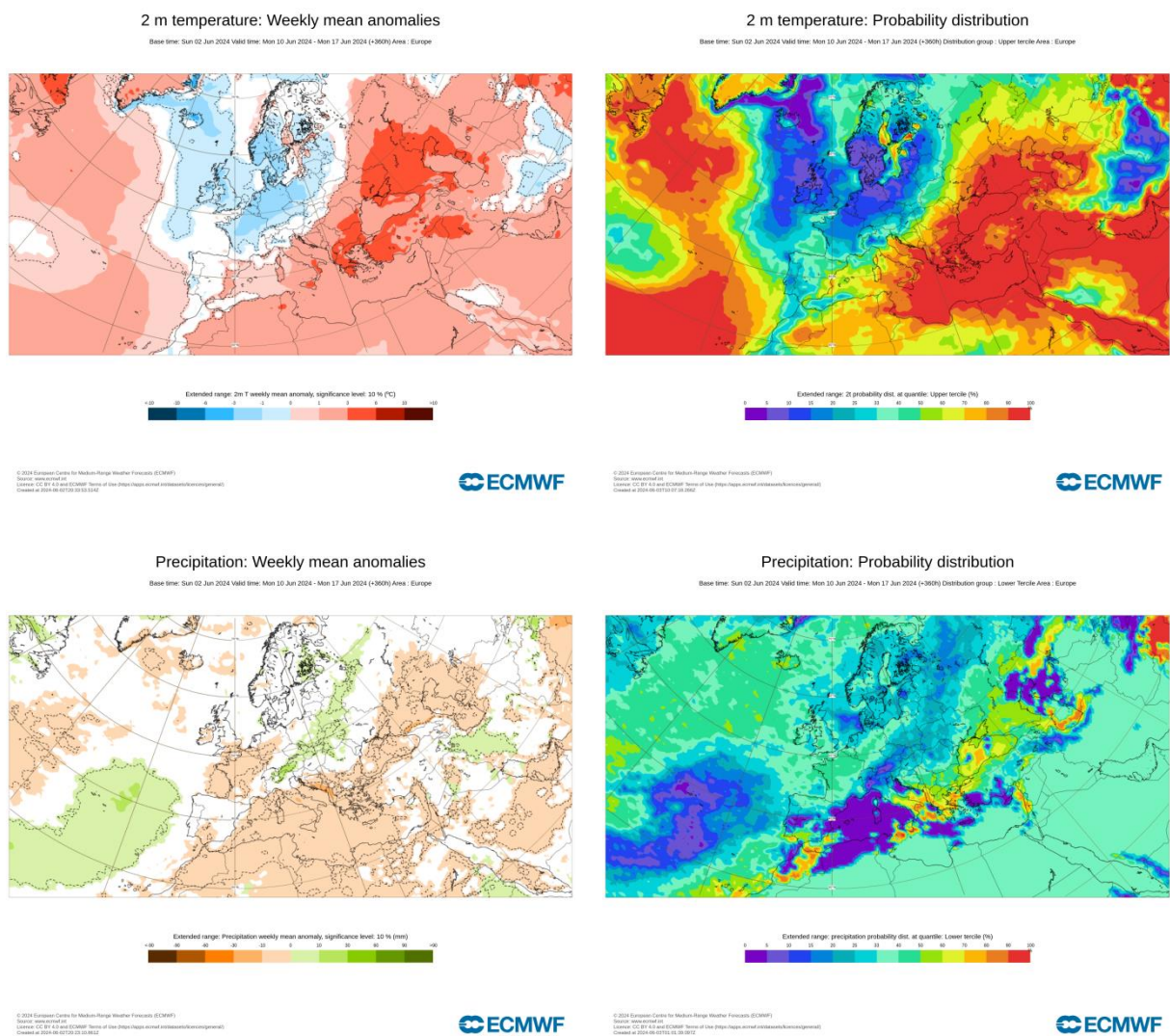


Extended range: precipitation probability dist. at quartile: Lower tercile (%)

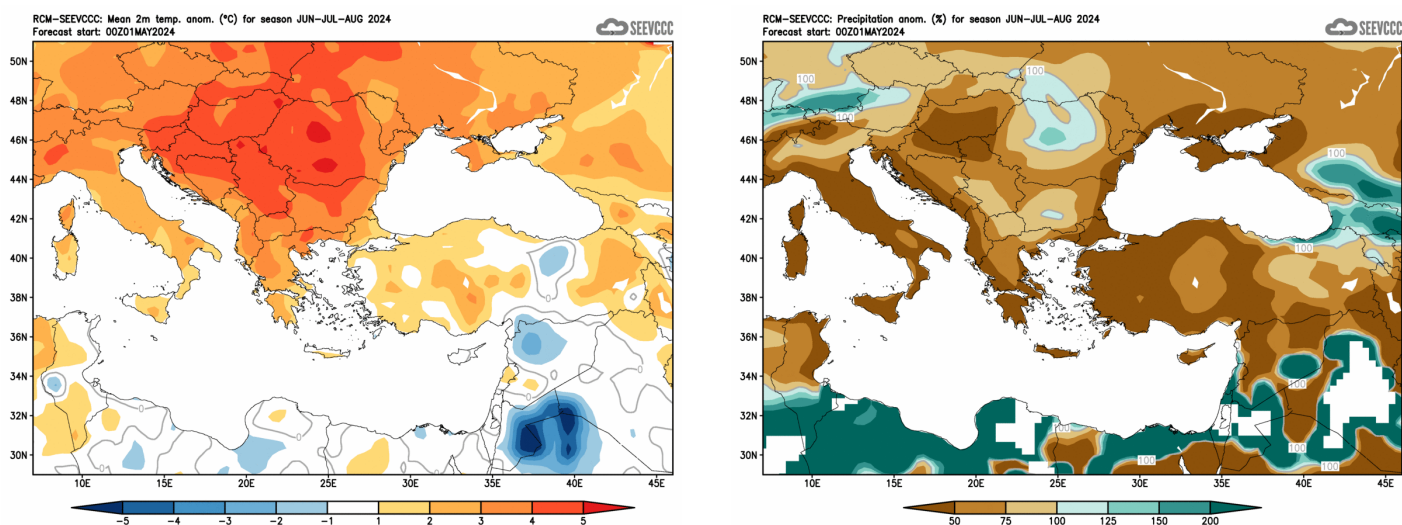
© 2024 European Centre for Medium-Range Weather Forecasts (ECMWF)  
Source: meteorology.ecmwf.eu  
Content: CC BY 4.0 and EUMETSAT Terms of Use (https://www.ecmwf.int/en/pressroom/faq)  
Created at: 2024-06-02T10:10:26.822Z



**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 lower tercile (lower row) for the 3.6–9.6.2024 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 10.6–16.6.2024 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](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>)