

## Climate Watch (Serial No.: 20230522–20)

Initial/Updated/Final

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

Organization issuing SEEVCCC

the statement:

Issued/ Amended / 22-5-2023 16:00 P.M.  
Cancelled

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Valid from – to: 22-5-2023 – 31-7-2023 Next amendment: 29-5-2023

Region of concern: **Bulgaria, North Macedonia, Albania, Greece, Ukraine, Cyprus and Turkey**

**„Within the following two weeks (22 May to 4 June 2023), ECMWF monthly forecast predicts precipitation surplus for southern Balkans and most parts of Turkey, with probability up to 90% during the first week and around 80% during the second week, for exceeding upper tercile. During the first week, precipitation surplus is expected in Bulgaria, Ukraine and Cyprus. Below average air temperature with anomaly up to  $-3^{\circ}\text{C}$  is forecasted in the southern Balkans and western Turkey, with 90% probability during the first week and 80% during the second week, for exceeding upper tercile.“**

### Monitoring

During the period from 14 to 20 May 2023, weekly precipitation sums were up to 150 mm in the western Balkans, around 50 mm in the Pannonian Plain and western Turkey, while up to 50 mm sums were registered in parts of central and eastern Balkans, western Ukraine, eastern Turkey and western Georgia. In other parts of the region, precipitation totals reached up to 25 mm.

## **Outlook**

Within the first week (22 to 28 May 2023), ECMWF monthly forecast predicts above average mean weekly air temperature with anomaly up to  $+3^{\circ}\text{C}$  in northern Ukraine, South Caucasus and Middle East. Below average air temperature with anomaly up to  $-3^{\circ}\text{C}$  is expected in the southern Balkans and western Turkey. Probability for exceeding upper/lower tercile is up to 90%. Precipitation surplus is predicted for the eastern and southern Balkans, southern and eastern Ukraine, Cyprus, and most parts of Turkey, with probability up to 90% for exceeding upper tercile.

During the second week (29 May to 4 June 2023), above normal mean weekly air temperature is predicted for northern and western Ukraine, with anomaly up to  $+3^{\circ}\text{C}$  and probability up to 70% for exceeding upper tercile. Below average air temperature with anomaly up to  $-3^{\circ}\text{C}$  is expected in the southern Balkans and western Turkey, with up to 80% probability for exceeding lower tercile. Precipitation surplus is predicted for the southern and southwestern Balkans and most parts of Turkey, with probability around 80% for exceeding upper tercile.

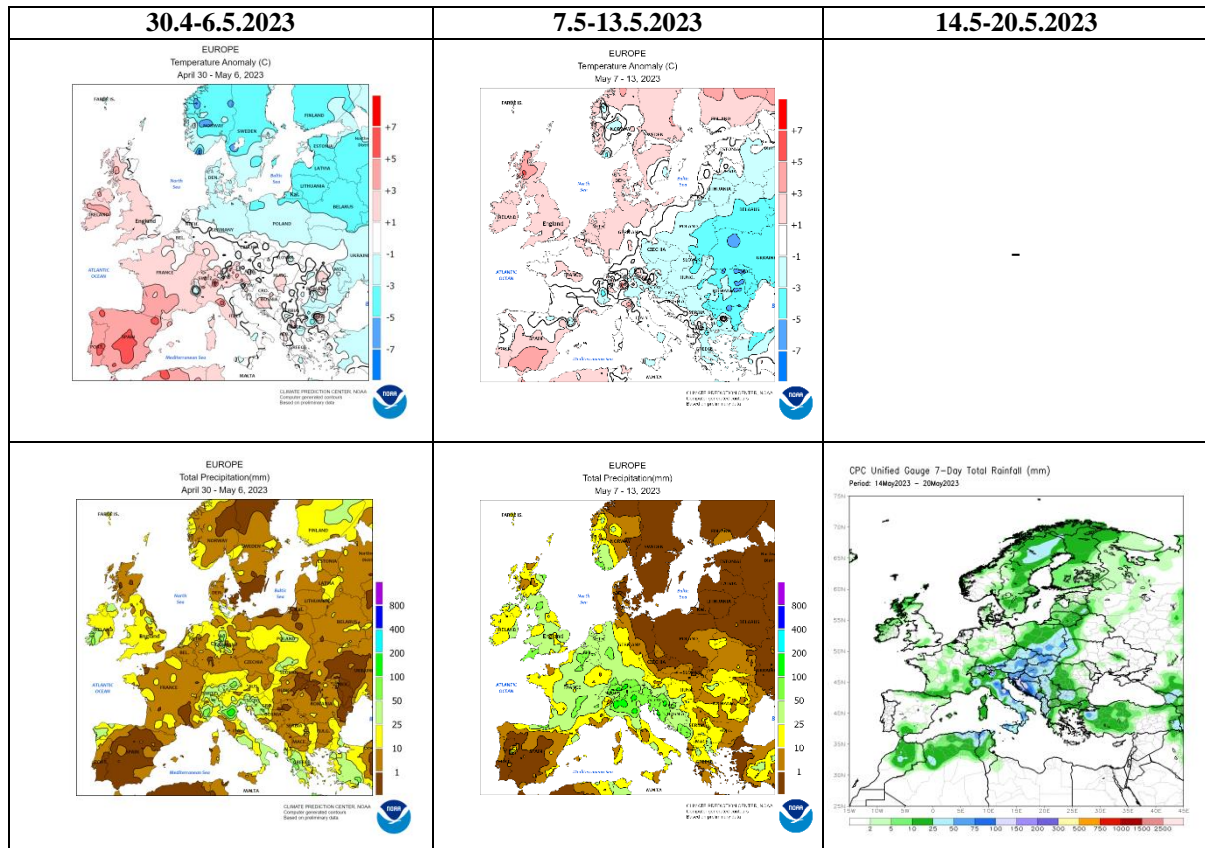
During the following three months (May, June and July), seasonal forecast predicts above average seasonal air temperature in most of the Balkans and Ukraine, as well as central and eastern Turkey. Precipitation surplus is expected in the Carpathians, northeastern Turkey, South Caucasus, Israel and Jordan. Precipitation deficit is predicted for coastal regions of the Balkans, Cyprus and Syria, as well as northern, western and southern Turkey.

## **Update**

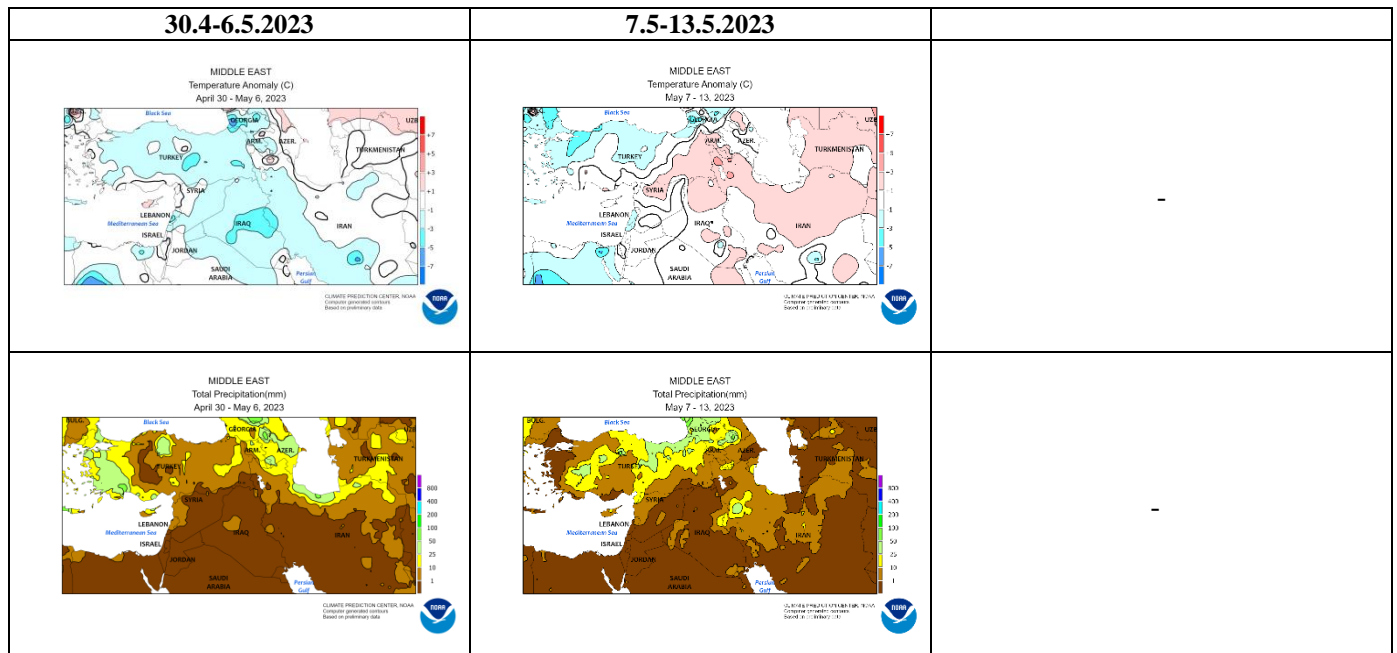
An updated statement will be issued on 29-5-2023

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

## ANNEX

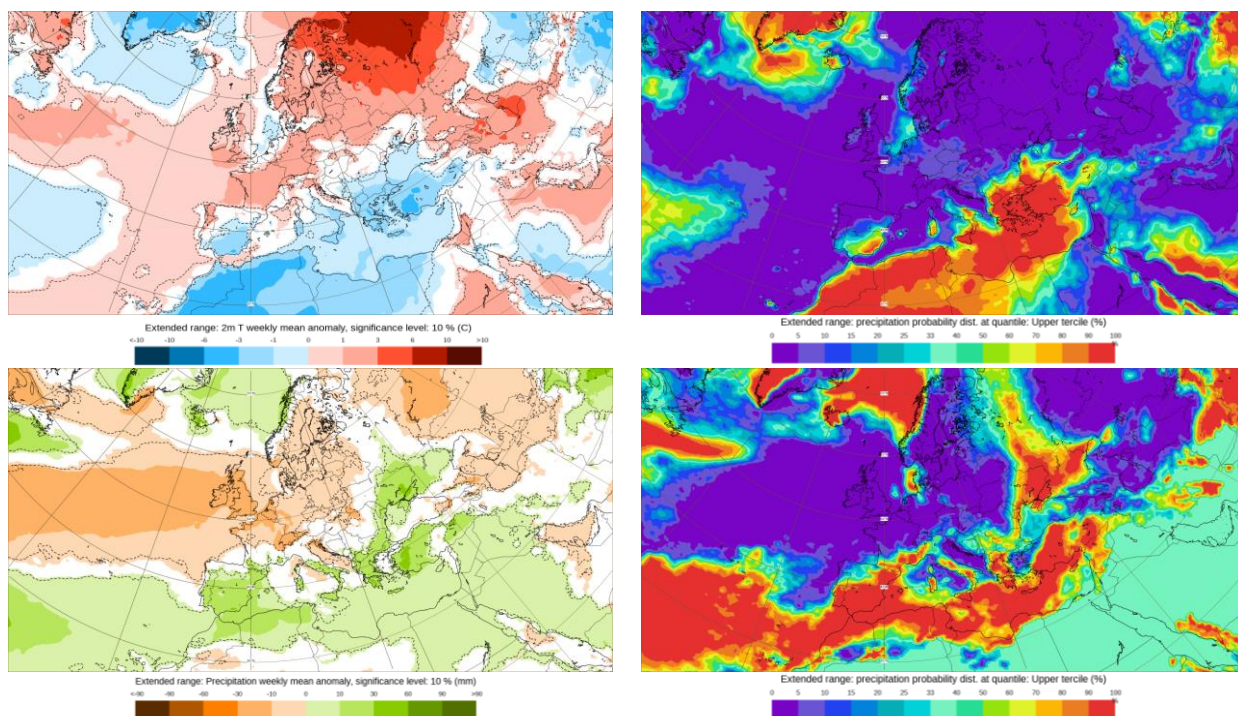


**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

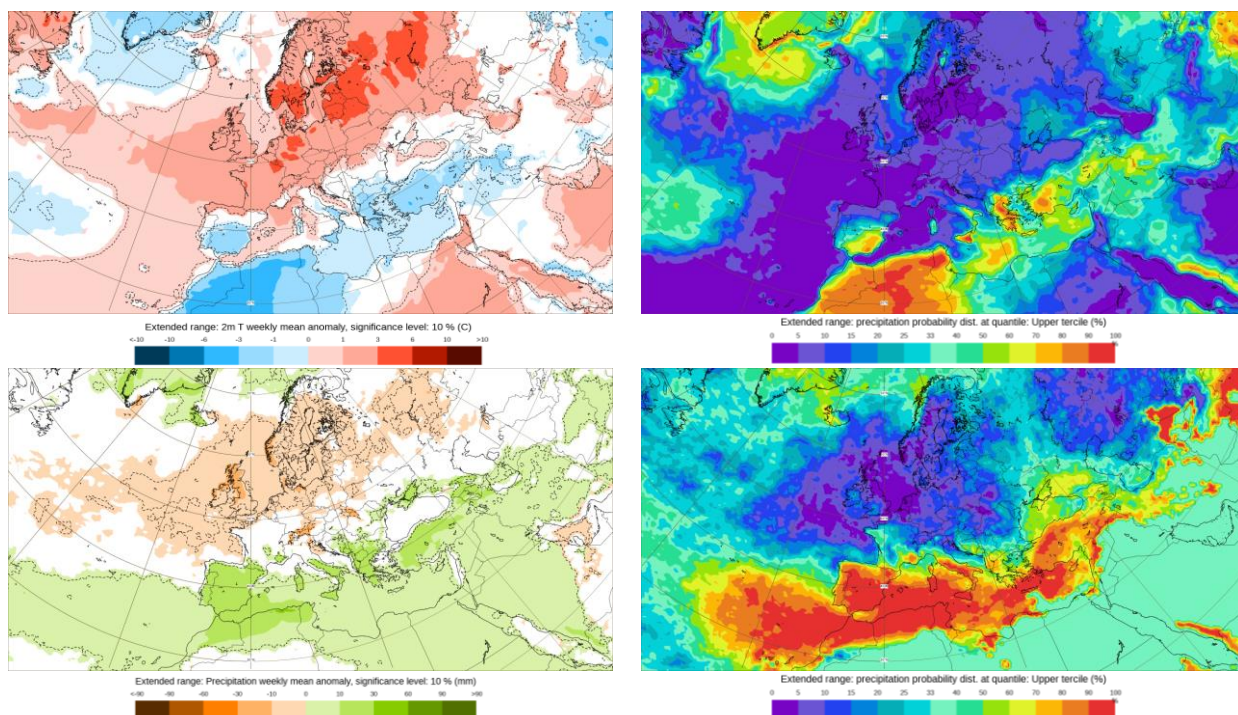


**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

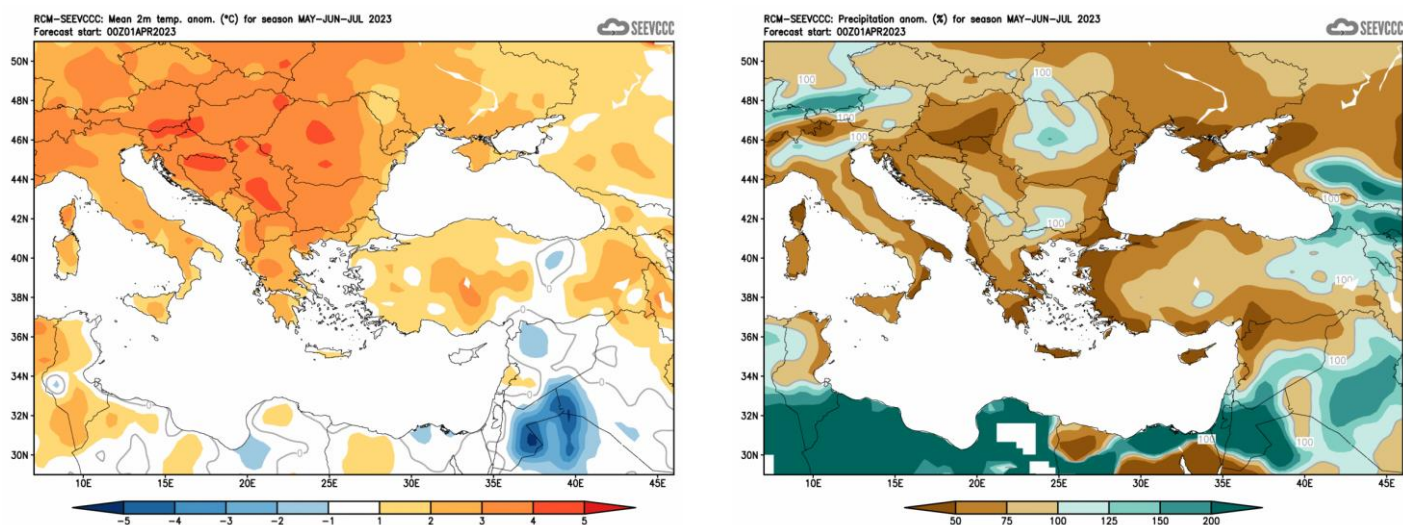




**Figure 3.** Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 22.5–28.5.2023 period (source: European Centre for Medium-Range Weather Forecasts)



**Figure 4.** Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 29.5–4.6.2023 period (source: European Centre for Medium-Range Weather Forecasts)



**Figure 5.** Mean seasonal temperature and precipitation anomaly for the season MJJ (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/>)