

Topic: **precipitation**

Organization issuing
the statement: SEEVCCC

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Region of concern: **Balkans and Turkey**

„Within the following two weeks (5 to 18 June 2023), ECMWF monthly forecast predicts precipitation surplus for the western, central and southern Balkans and most parts of Turkey, with probability around 80% for exceeding upper tercile. “

Monitoring

During the period from 28 May to 3 June 2023, weekly precipitation sums were up to 50 mm in most of the Balkans, southwestern Romania, most of Turkey and easternmost Ukraine, up to 75 mm was registered in western Serbia, eastern Bosnia and Herzegovina, some locations in western Turkey and easternmost Ukraine, while up to 100 mm was registered in southwestern Turkey. In other parts of the region, precipitation totals reached up to 25 mm.

Outlook

Within the first week (5 to 11 June 2023), ECMWF monthly forecast predicts above average mean weekly air temperature with anomaly up to +3°C and low probability in western Ukraine, eastern Turkey and most of south Caucasus. Below average weekly air temperature with anomaly up to -3°C is expected in most of the Balkans, southern and eastern Romania, western Turkey and eastern Ukraine. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is predicted for the western and southwestern Balkans, western and central Turkey and Azerbaijan, with probability around 80% for exceeding upper tercile. Precipitation deficit is expected in western Ukraine, most of Romania, western Moldova and most of Bulgaria, with up to 80% for exceeding lower tercile.

During the second week (12 to 18 June 2023), below normal mean weekly air temperature with anomaly up to -6°C is expected in central and southwestern Turkey, central Greece and southern part of North Macedonia. In rest parts of the Balkans, most of Turkey, eastern Ukraine and southern and eastern Romania air temperature anomaly is expected to be up to -3°C. Probability for exceeding lower tercile is in a range from 70% in Ukraine and eastern Balkans up to 90% in Turkey. Precipitation surplus is predicted for most of the Balkans, most of Turkey and Georgia, with probability around 70%, in Turkey around 80%, for exceeding upper tercile.

During the following three months (June, July and August), seasonal forecast predicts above average seasonal air temperature in most of the Balkans and Ukraine, as well as in some parts of 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 12-6-2023

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

ANNEX

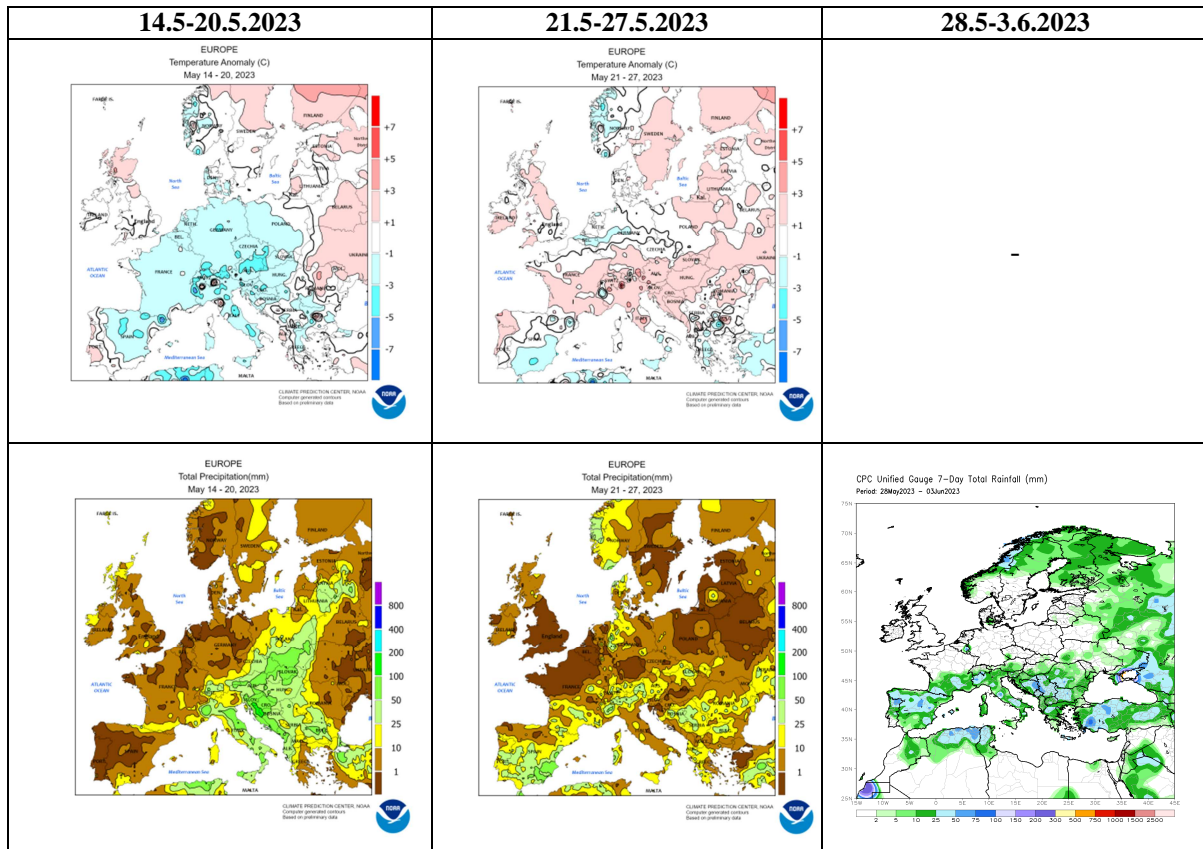


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

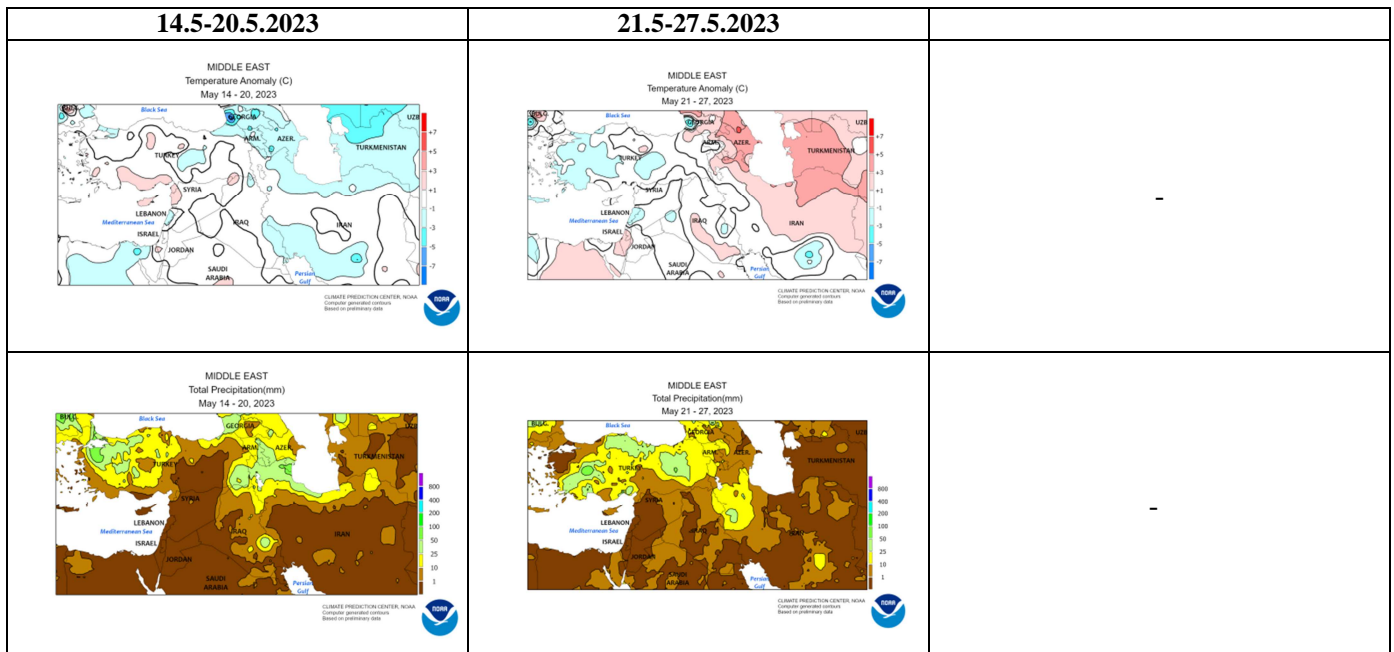


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

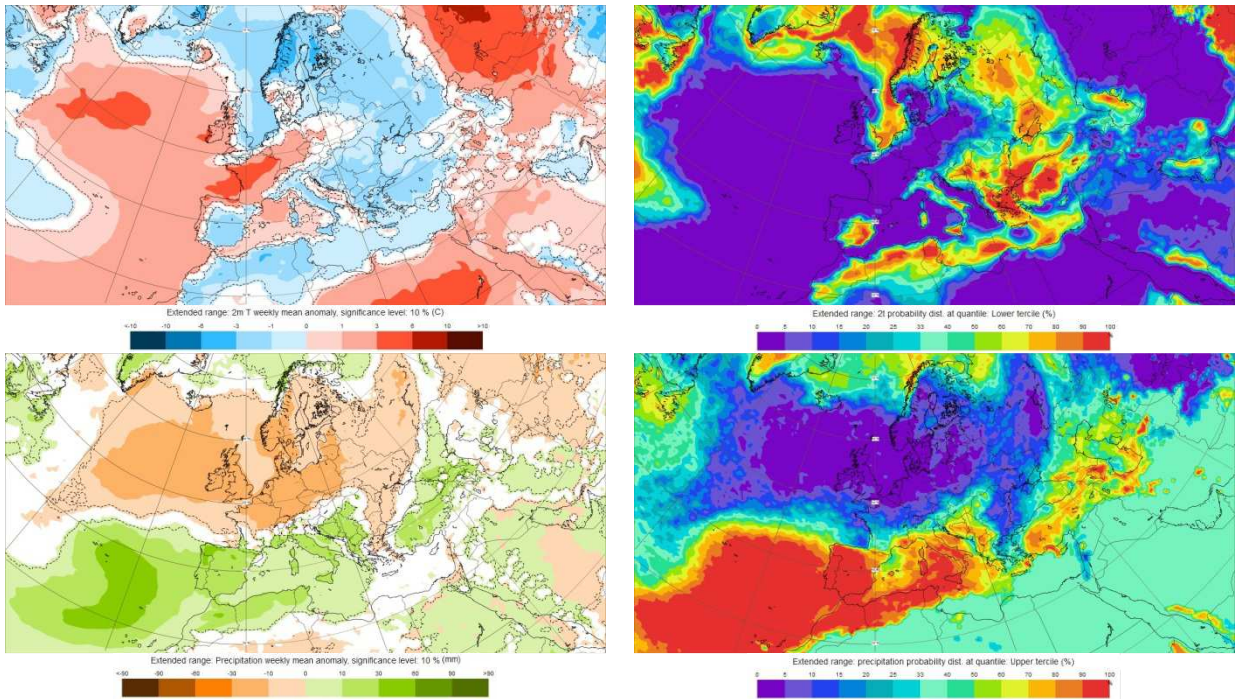


Figure 3. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 5.6–11.6.2023 period (source: European Centre for Medium-Range Weather Forecasts)

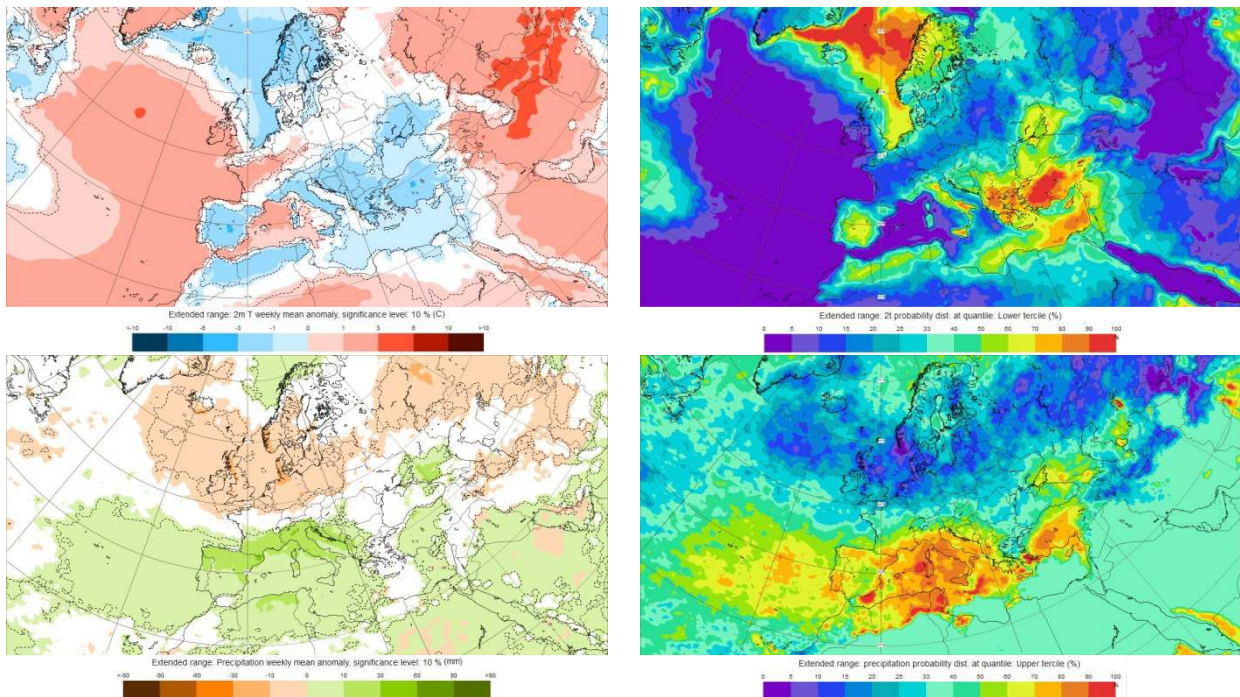


Figure 4. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 12.6–18.6.2023 period (source: European Centre for Medium-Range Weather Forecasts)

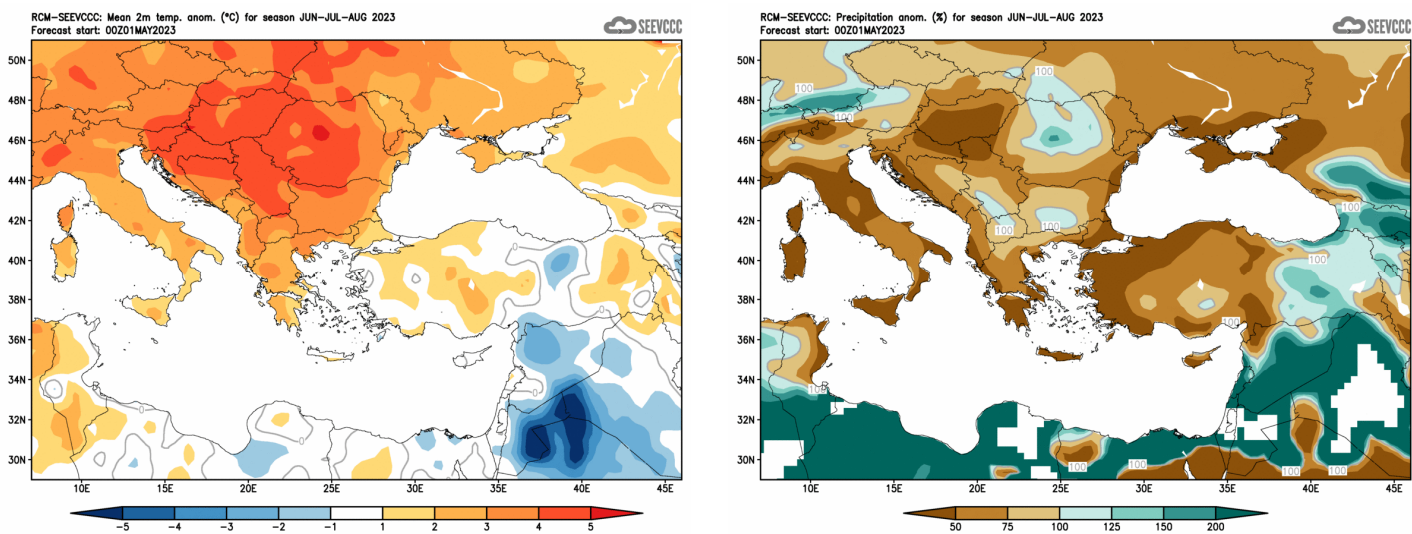


Figure 5. Mean seasonal temperature and precipitation anomaly for the season JJA (seasonal outlook from RCM – SEEVCCC)

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/>)