

Climate Watch (Serial No.: 20230424–16)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 24-4-2023 16:00 P.M.

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Valid from – to: 24-4-2023 – 31-7-2023 Next amendment: 1-5-2023

Region of concern: **the Balkans, Ukraine, Moldova, Cyprus, Turkey, South Caucasus**

„ Within the first week (24 to 30 April 2023), ECMWF monthly forecast predicts below average mean weekly air temperature in most of the region, with anomaly up to –6 °C in eastern Pannonian plain and western Turkey. Above normal air temperature is expected in eastern Ukraine and South Caucasus, with anomaly up to +6 °C in Azerbaijan. Probability for exceeding lower/upper tercile is up to 90%. Precipitation surplus is predicted for the Balkans, Ukraine, Moldova, Cyprus, western, northern and eastern Turkey, with probability around 90% for exceeding upper tercile.“

Monitoring

During the period from 16 to 22 April 2023, weekly precipitation sums were up to 50 mm in some parts of the Balkans, Moldova, southwestern Ukraine, eastern Turkey and northwestern Georgia, while in rest of the region they were below 25 mm.

Outlook

Within the first week (24 to 30 April 2023), ECMWF monthly forecast predicts below average mean weekly air temperature in most of the region, with anomaly up to -6 °C in eastern Pannonian plain and western Turkey. Above normal air temperature is expected in eastern Ukraine and South Caucasus, with anomaly up to $+6$ °C in Azerbaijan. Probability for exceeding lower/upper tercile is up to 90%. Precipitation surplus is predicted for the Balkans, Ukraine, Moldova, Cyprus, western, northern and eastern Turkey, with probability around 90% for exceeding upper tercile.

During the second week (1 to 7 May 2023), below normal mean weekly air temperature is expected in most of the region, with anomaly up to -3 °C and probability up to 70% in central Balkans and Turkey for exceeding lower tercile. Precipitation surplus is predicted for the southern Balkans, southern Ukraine, Cyprus, northern and southern Turkey, Syria, Lebanon and Israel with probability around 60% 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 1-5-2023

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

ANNEX

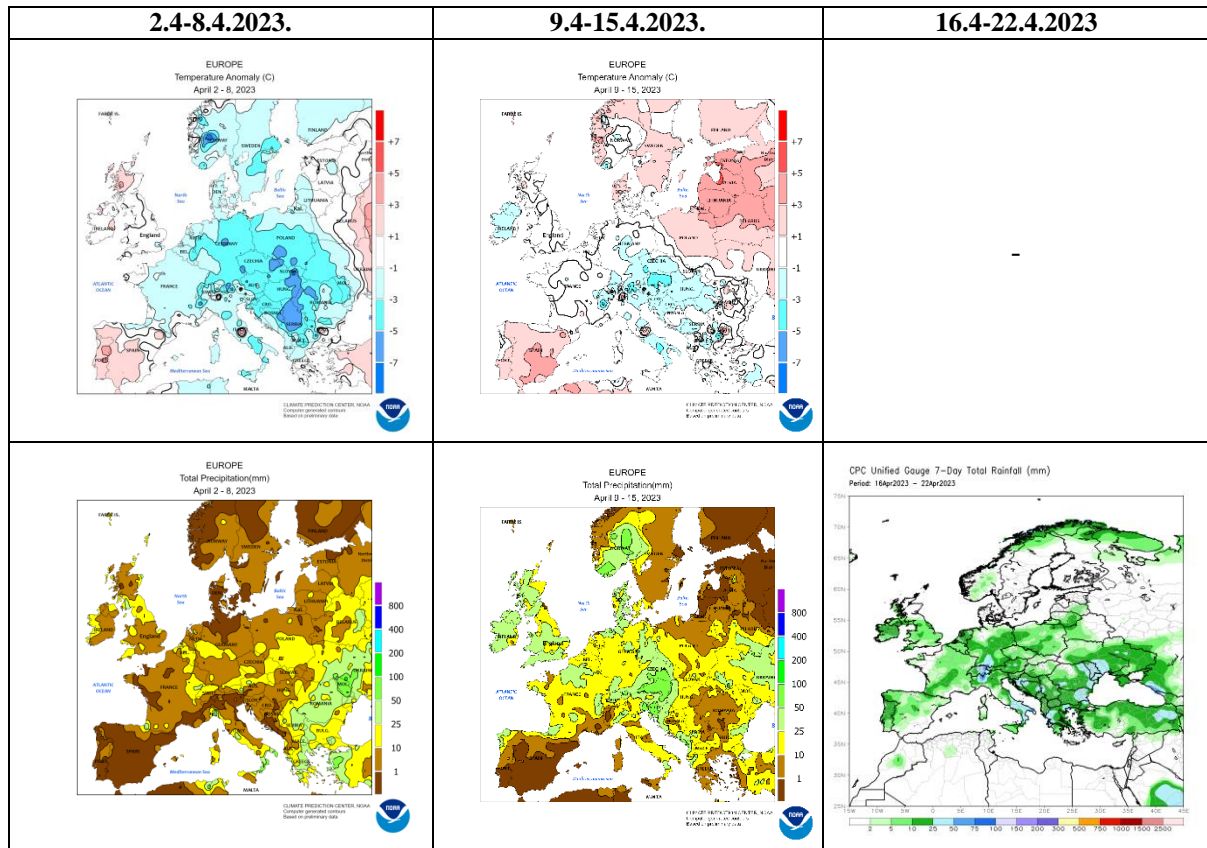


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

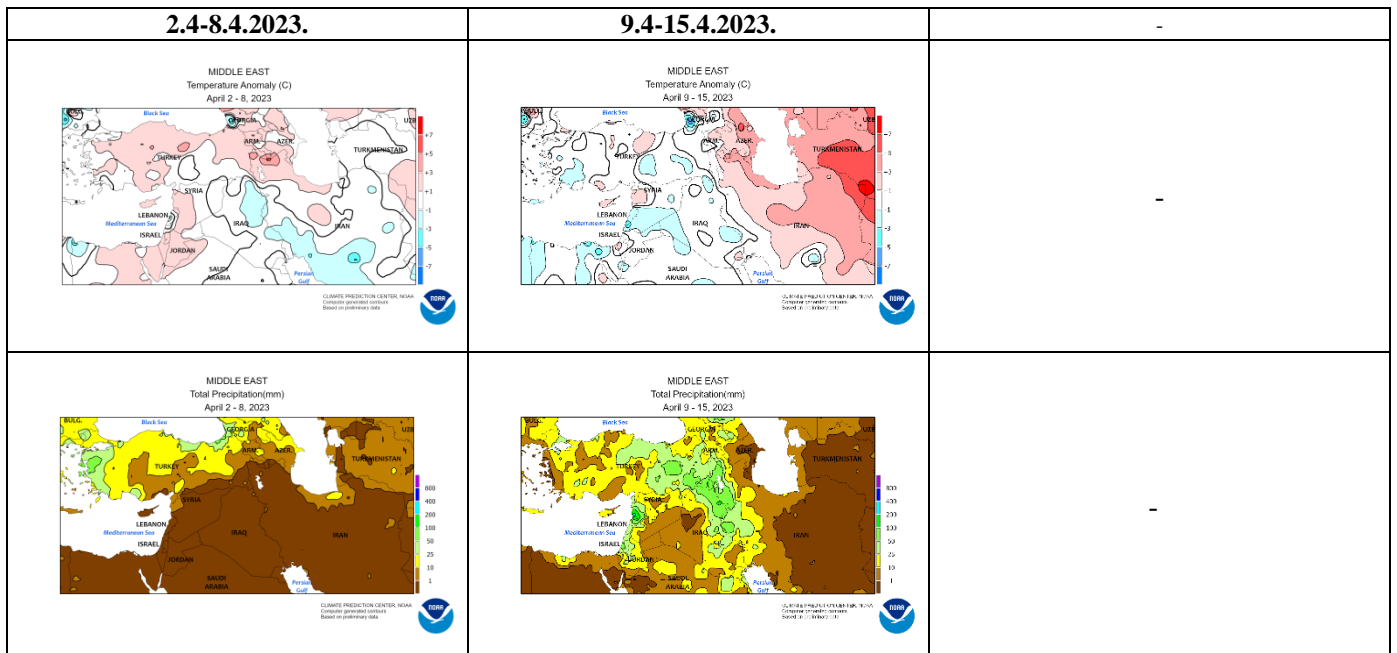


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

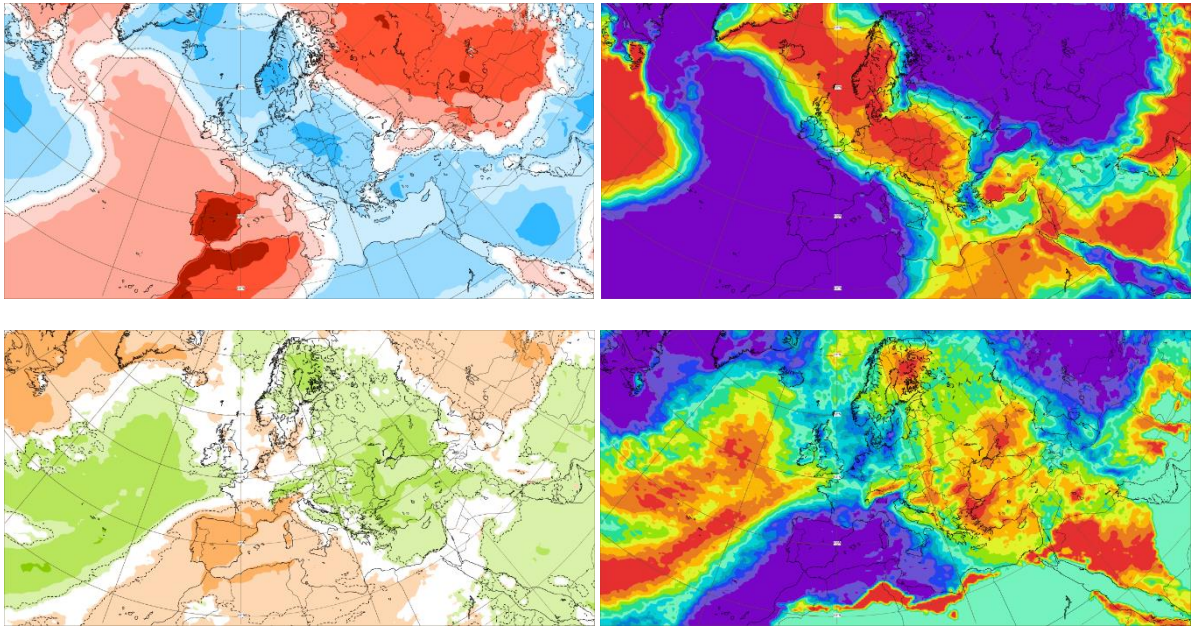


Figure 3. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 24.4–30.4.2023 period

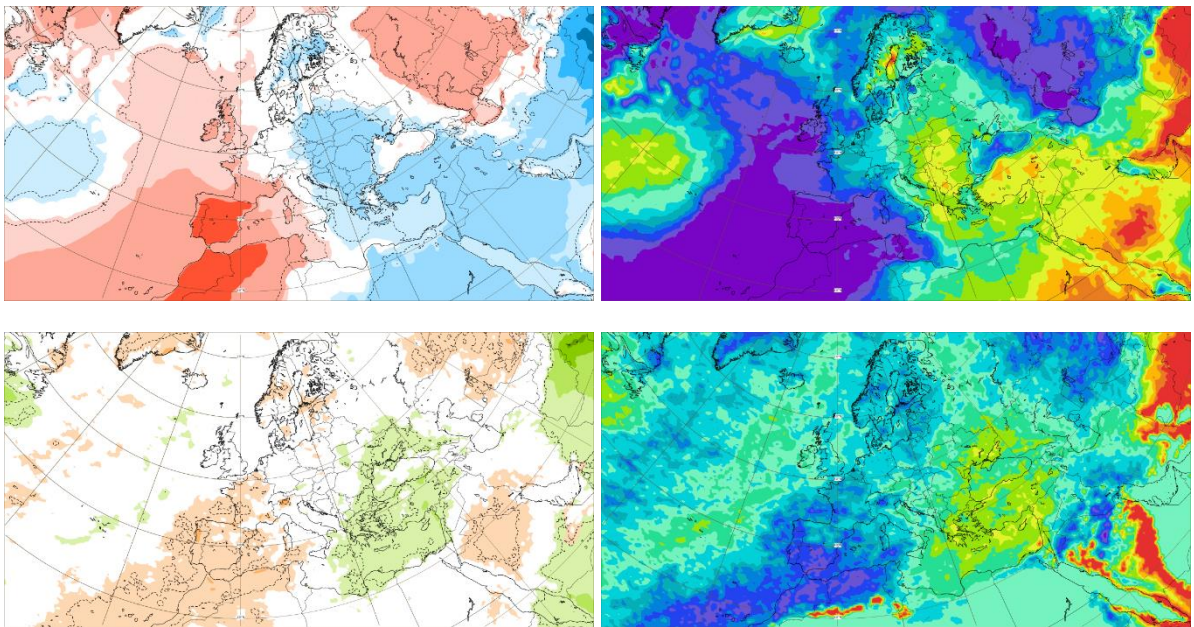


Figure 4. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 1.5–7.5.2023 period

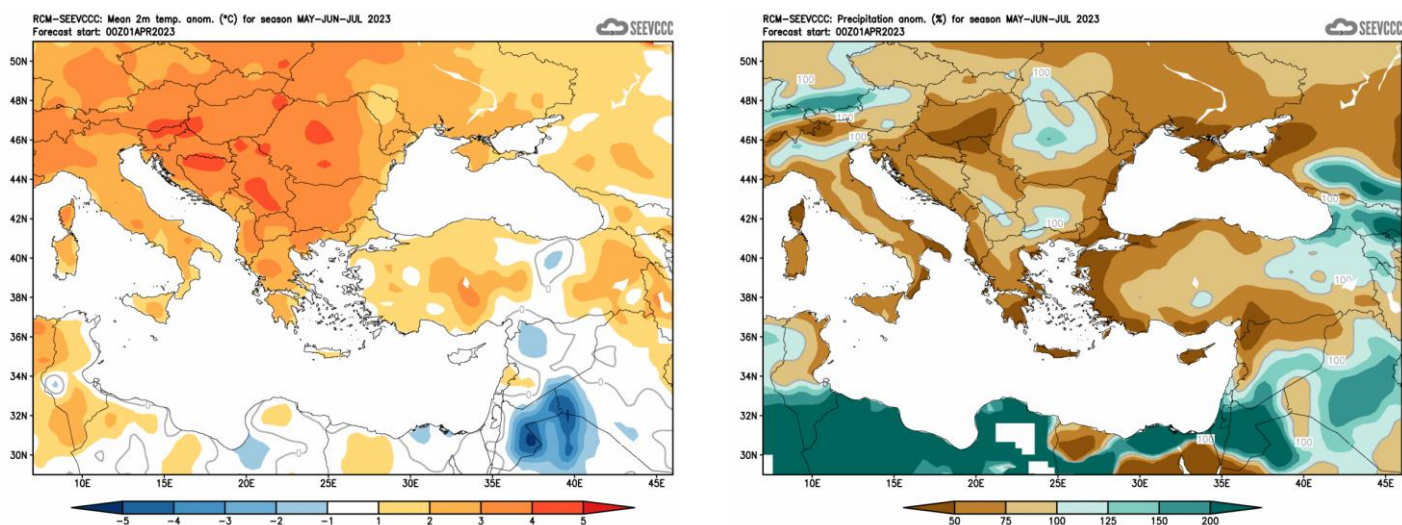


Figure 5. Mean seasonal temperature and precipitation anomaly for the season MJJ (seasonal outlook from RCM – SEEVCCC)

Sources

- Republic Hydrometeorological Service of Serbia (www.hidmet.gov.rs)
- South East European Virtual Climate Change Center (www.seevccc.rs)
- European Center 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/>)