

Climate Watch (Serial No.: 20230417–15)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 17-4-2023 16:00 P.M.

Contact: E-mail: cws-seevccc@hidmet.gov.rs
Phone: +381112066925
Fax: +381112066929

Valid from – to: 17-4-2023 – 30-6-2023 Next amendment: 24-4-2023

Region of concern: **SEE**

„ Within the first week (17 to 23 April 2023), ECMWF monthly forecast predicts below average mean weekly air temperature, with anomaly up to -3°C in most of the Balkans and western Turkey. Probability for exceeding lower tercile is up to 70%. Above normal air temperature with anomaly up to +3°C is expected in northern and eastern Turkey and South Caucasus. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is predicted for most of the Balkans and northern Turkey, with probability around 90% for exceeding upper tercile..“

Monitoring

During the period from 9 to 15 April 2023, weekly precipitation sums were below 25 mm in most of the region. In part of the western Balkans and eastern Turkey precipitation totals were up to 150 mm, while in some parts of of Moldova, Romania, Bulgaria and part of western Turkey precipitation sums were up to 100 mm.

Outlook

Within the first week (17 to 23 April 2023), ECMWF monthly forecast predicts below average mean weekly air temperature, with anomaly up to -3°C in most of the Balkans and western Turkey. Probability for exceeding lower tercile is up to 70%. Above normal air temperature with anomaly up to $+3^{\circ}\text{C}$ is expected in northern and eastern Turkey and South Caucasus. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is predicted for most of the Balkans and northern Turkey, with probability around 90% for exceeding upper tercile.

During the second week (24 to 30 April 2023), average mean weekly air temperature is expected for most of the Balkans. Below normal air temperature with anomaly up to -3°C is expected in most of Turkey, with probability up to 80% for exceeding lower tercile. Average precipitation sums are predicted for most of the region. Precipitation surplus is predicted for the eastern and southern Turkey with probability around 80% for exceeding upper tercile.

During the following three months (April, May and June), seasonal forecast predicts above average seasonal air temperature in most of the region. Average precipitation is expected in most of the region. Precipitation surplus is expected in the Carpathians, northeastern Turkey and South Caucasus. Precipitation deficit is predicted for the eastern Balkans and western Turkey.

Update

An updated statement will be issued on 1-5-2023

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

ANNEX

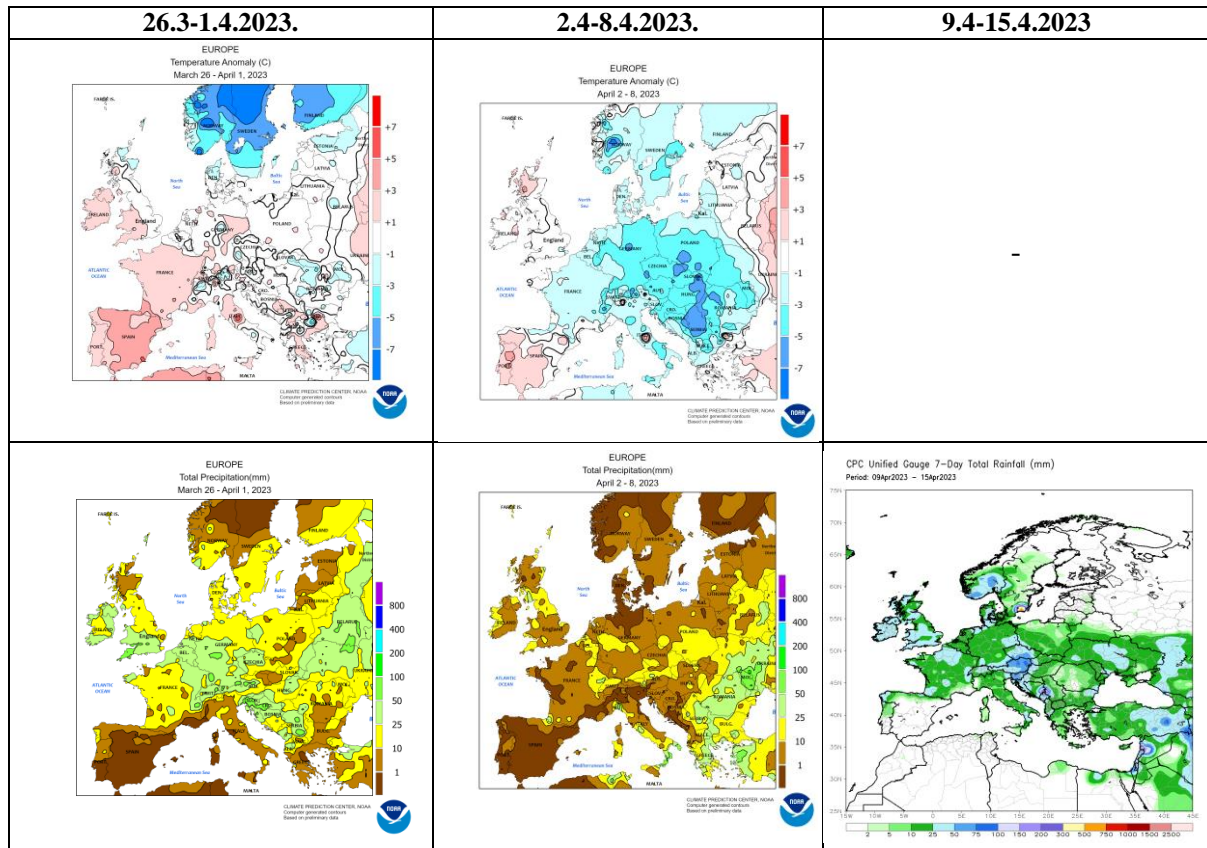


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

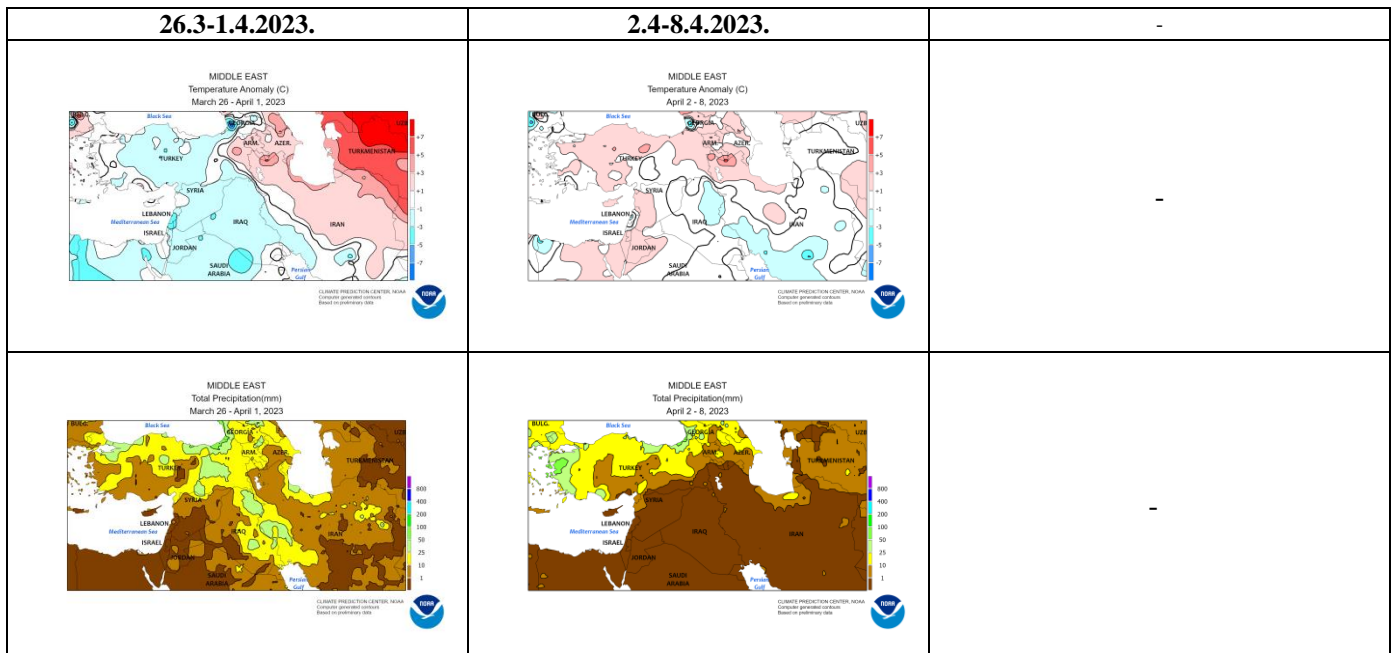


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

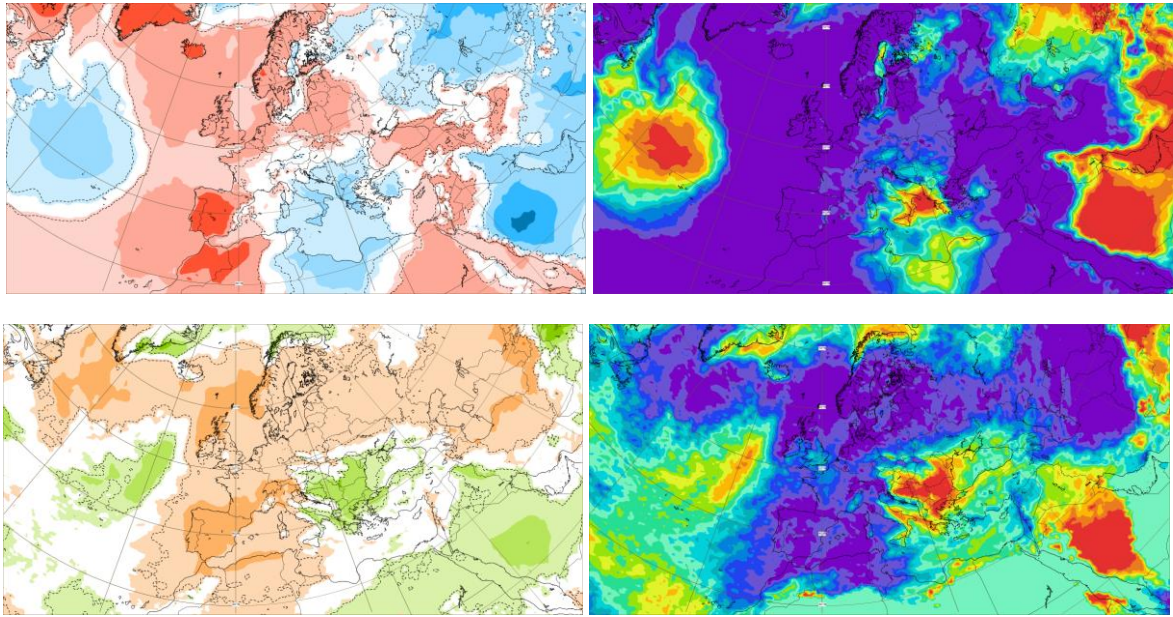


Figure 3. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 17.4–23.4.2023 period

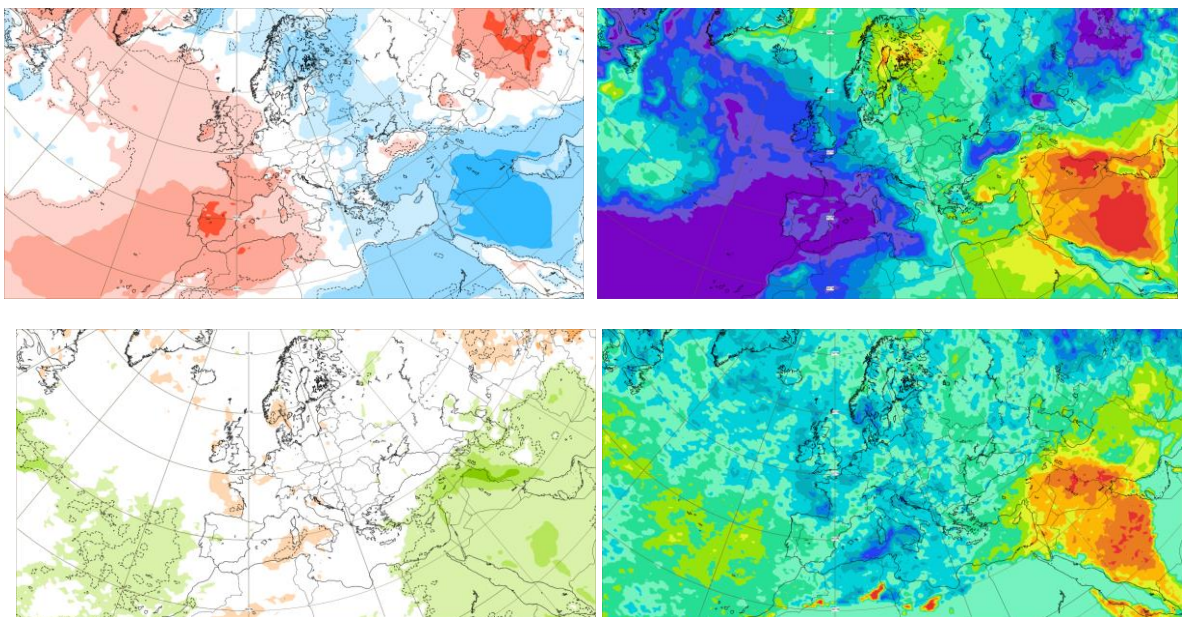


Figure 4. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 24.4–30.4.2023 period

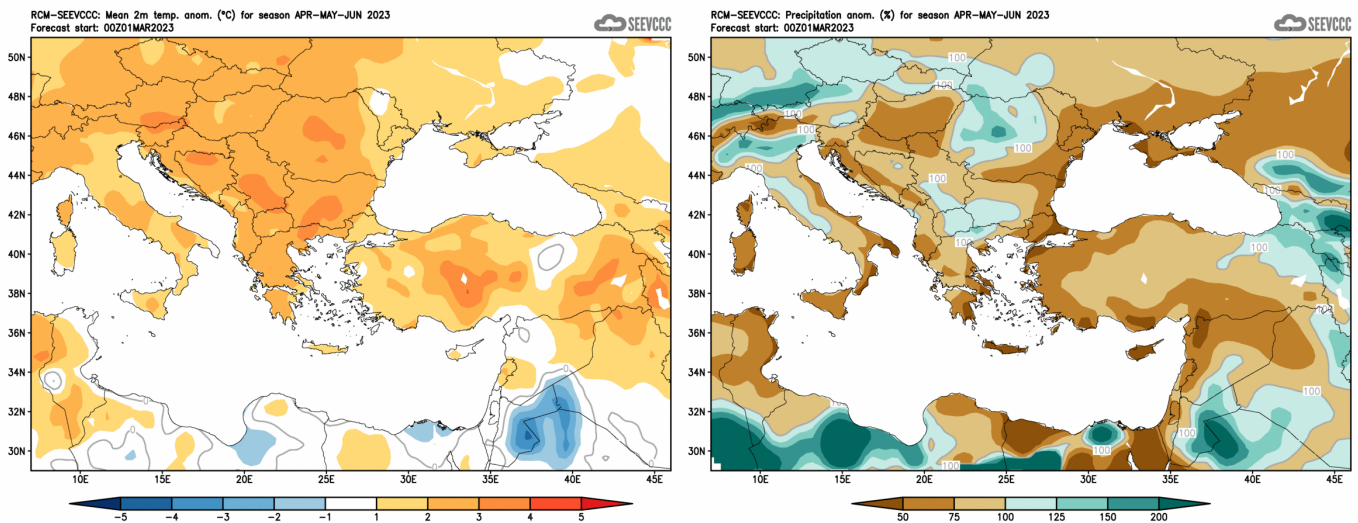


Figure 5. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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/>)