

Topic: **temperature and precipitation**

Organization issuing SEEVCCC

the statement:

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Cancelled

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

Valid from – to: 20-3-2023 – 31-5-2023 Next amendment: 27-3-2023

Region of concern: **Balkans and Turkey**

„During the second week (27 March to 2 April 2023) precipitation surplus is predicted for most of the Balkans and Turkey, with around 70% probability for exceeding upper tercile.“

Monitoring

During the period from 12 to 18 March 2023, weekly precipitation sums were below 25 mm in most of the Balkans. In parts of the southern Turkey precipitation sums were up to 150 mm.

Outlook

Within the first week (20 to 26 March 2023), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly in a range from +3°C up to +6°C in most of the region, with above 90% probability for exceeding upper tercile. Precipitation deficit is predicted for eastern Balkans and northern and central Turkey. Probability for exceeding lower tercile is around 60%.

During the second week (27 March to 2 April 2023), above average mean weekly air temperature is forecasted for the eastern Balkans and Turkey, with anomaly up to +3°C. Probability for exceeding upper tercile is around 60%. Precipitation surplus is predicted for most of the Balkans and Turkey, with around 70% probability 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 27-3-2023

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

ANNEX

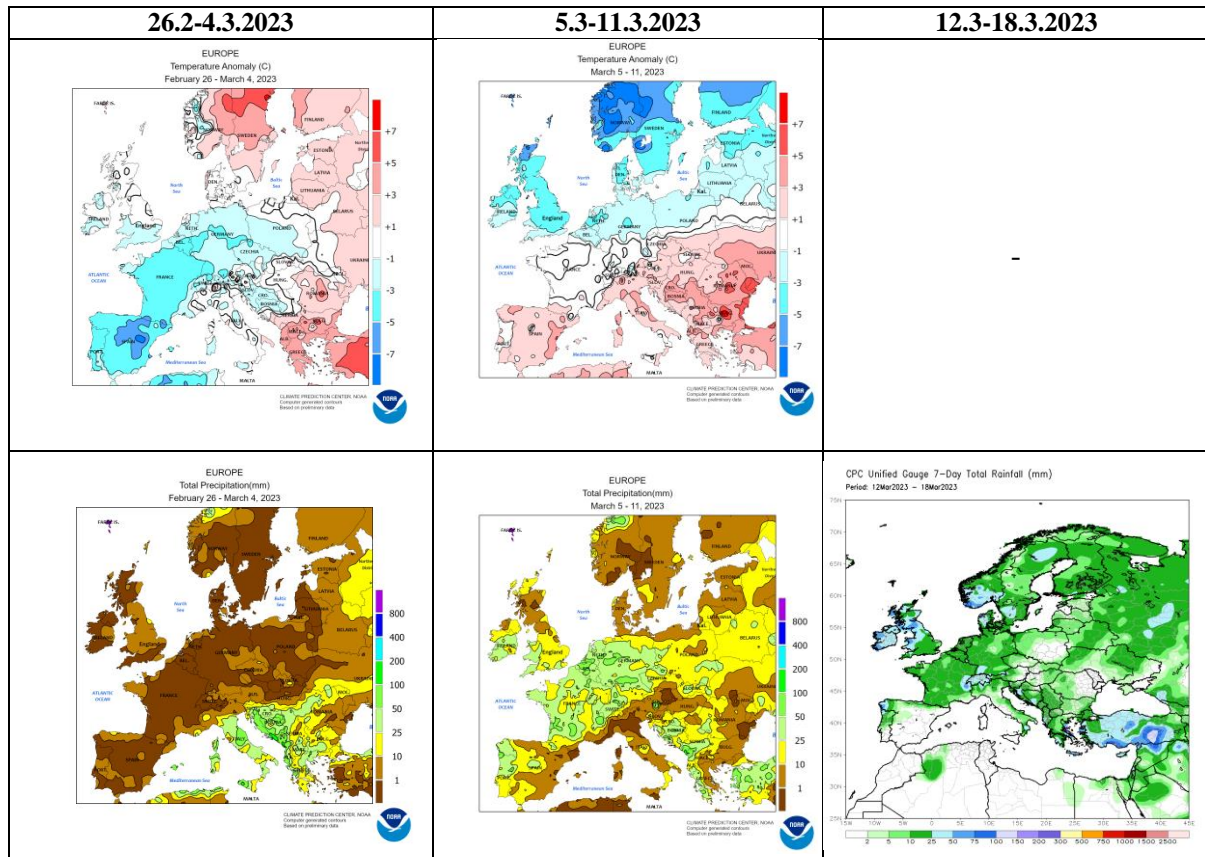


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

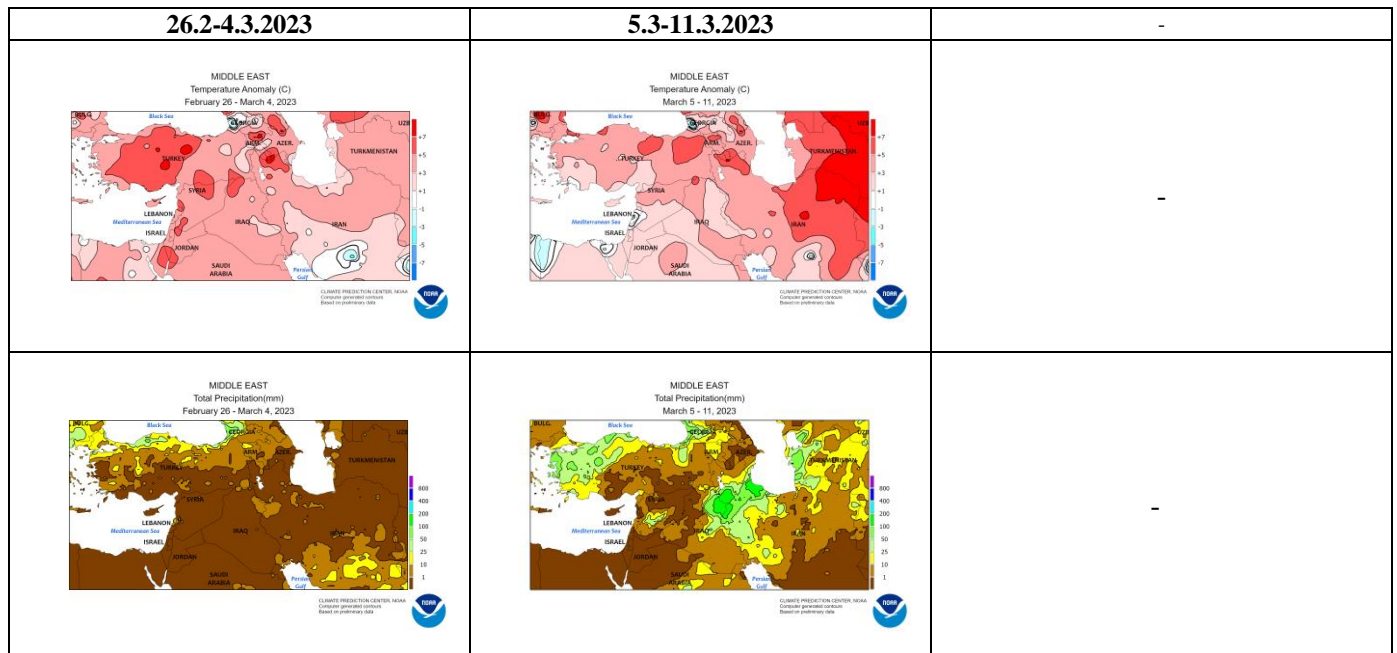


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

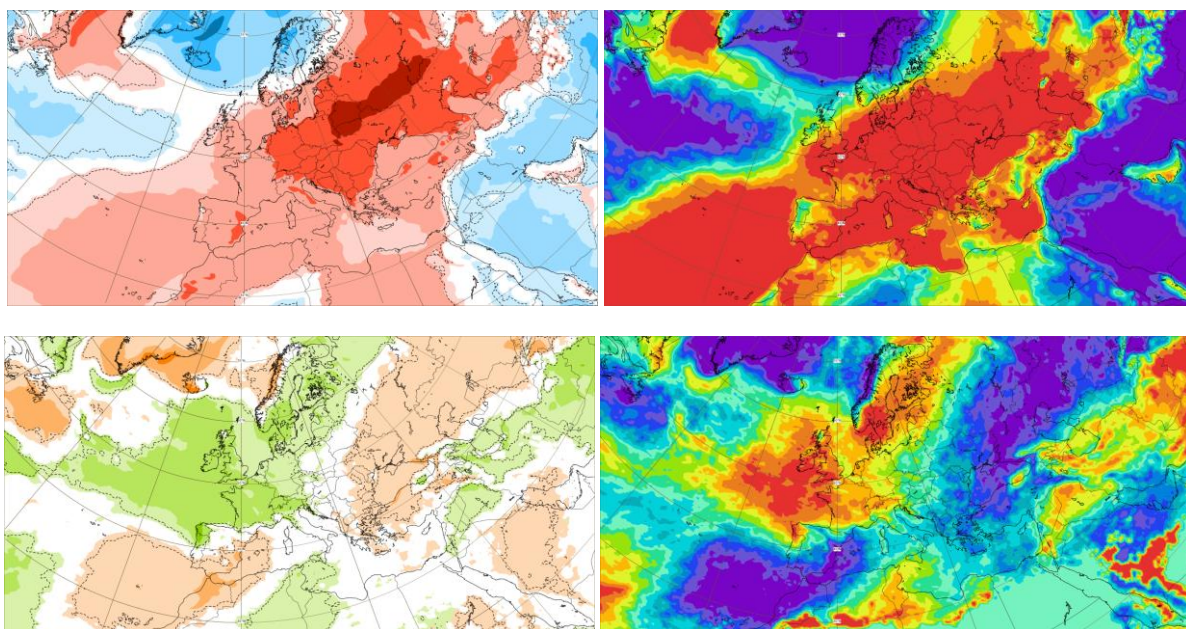


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 20.3–26.3.2023 period

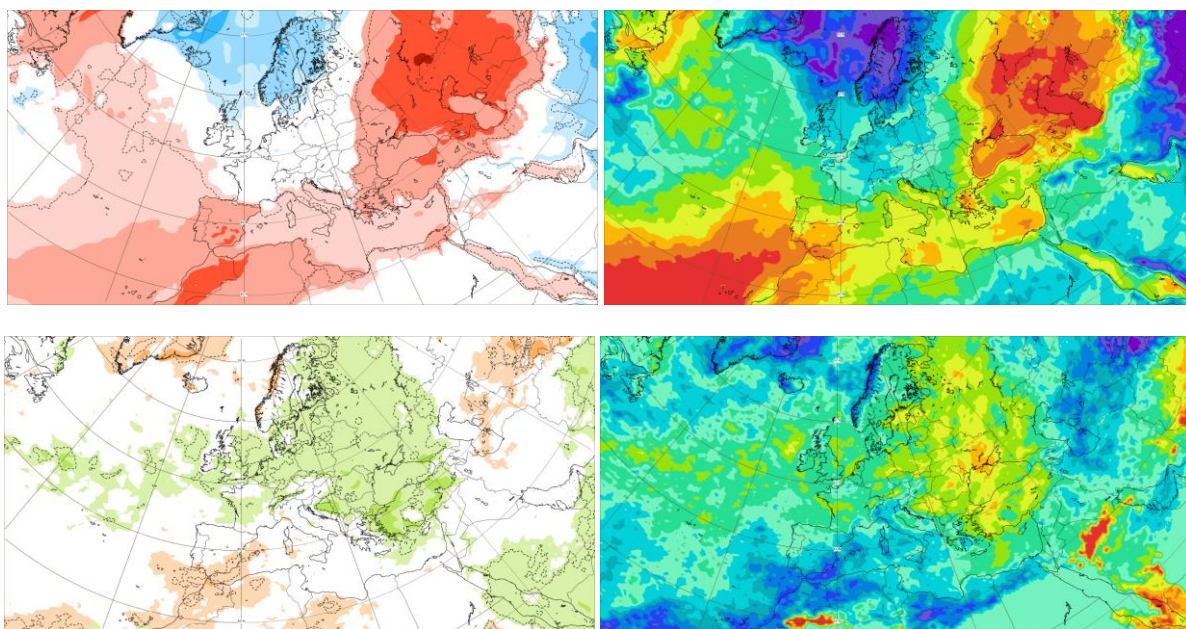


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 27.3–2.4.2023 period

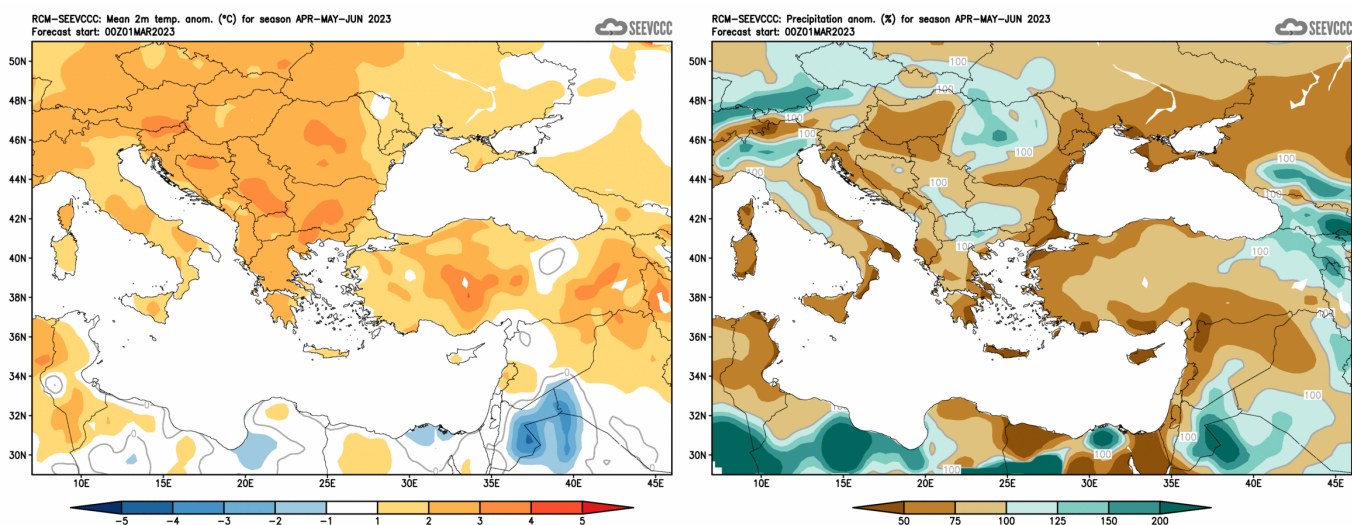


Figure 6. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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/>)