

Climate Watch (Serial No.: 20230306–9)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing
the statement: SEEVCCC

Issued/ Amended / 6-3-2023 16:00 P.M.
Cancelled

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

Valid from – to: 6-3-2023 – 31-5-2023 Next amendment: 13-3-2023

Region of concern: **western Balkans, Pannonia Plain, eastern Ukraine, Middle East**

„Within the first week (6 to 12 March 2023), ECMWF monthly forecast predicts precipitation surplus for the Adriatic and Ionian Sea coast, Pannonia Plain and eastern Ukraine. Precipitation deficit is forecasted for Middle East. Probability for exceeding upper/lower tercile is around 80%. “

Monitoring

During the period from 26 February to 4 March 2023, weekly precipitation sums were below 25 mm in most of the region. In Georgia, eastern Pannonia Plain and Carpathian Mountains they were up to 50 mm, while in the western Balkans weekly precipitation totals reached up to 100 mm.

Outlook

Within the first week (6 to 12 March 2023), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly in a range from +3°C in the southern Balkans, Cyprus and Jordan and around 80% probability for exceeding upper tercile, up to +6°C in southern Turkey and Azerbaijan, with above 90% probability for exceeding upper tercile. Precipitation surplus is predicted for the Adriatic and Ionian Sea coast, Pannonia Plain and eastern Ukraine. Precipitation deficit is forecasted for Middle East. Probability for exceeding upper/lower tercile is around 80%.

During the second week (13 to 19 March 2023), above average mean weekly air temperature is forecasted for almost the entire region, with anomaly up to +3°C, even up to +6°C in Turkey and South Caucasus. Probability for exceeding upper tercile is up to 80% in Cyprus, Turkey and South Caucasus. Precipitation surplus is expected in southeastern Turkey, with around 60% probability for exceeding upper tercile.

During the following three months (March, April and May), seasonal forecast predicts above average seasonal air temperature in the eastern and parts of the central and western Balkans, central Romania, western Ukraine, central and eastern Turkey. Precipitation surplus is expected along southern part of the Adriatic Sea coast, the Carpathians, northeastern Turkey and South Caucasus. Precipitation deficit is predicted for the southern Balkans, southern and western Turkey and Middle East.

Update

An updated statement will be issued on 13-3-2023

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

ANNEX

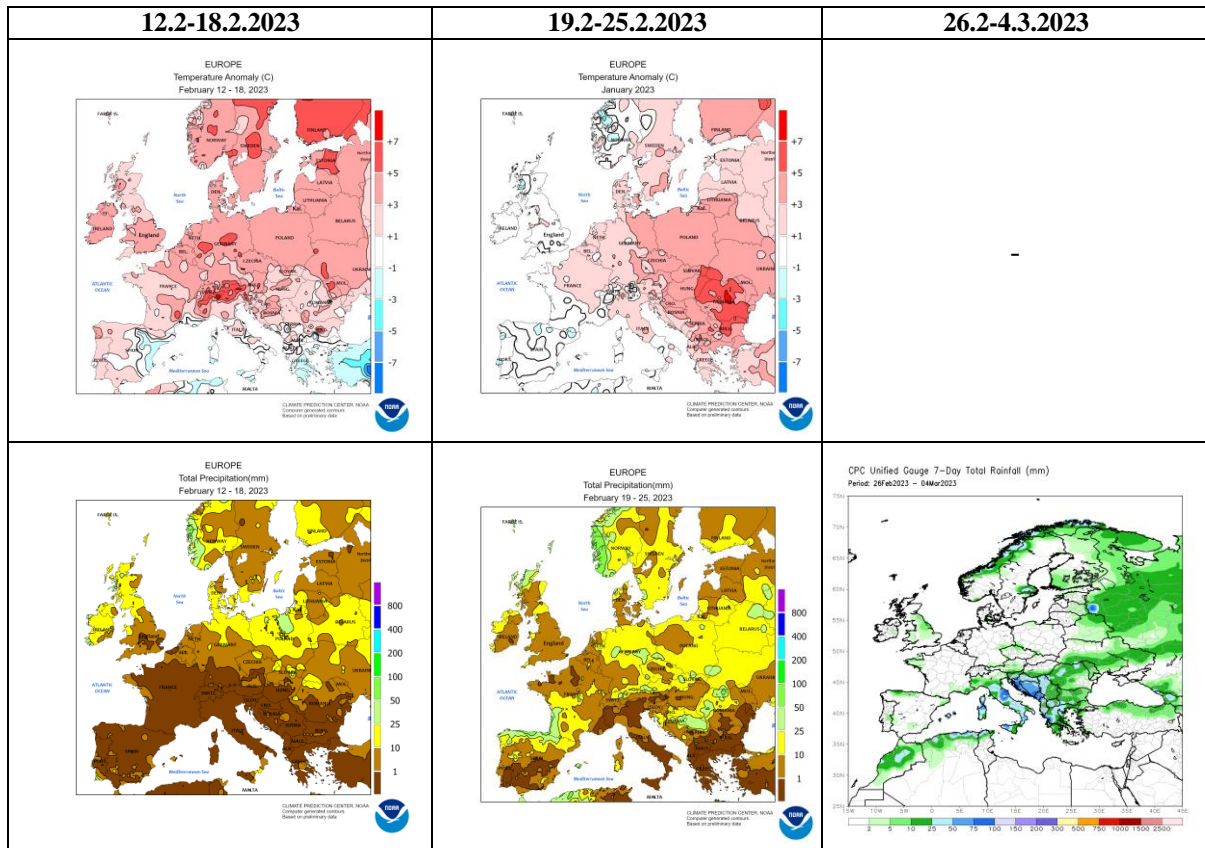


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

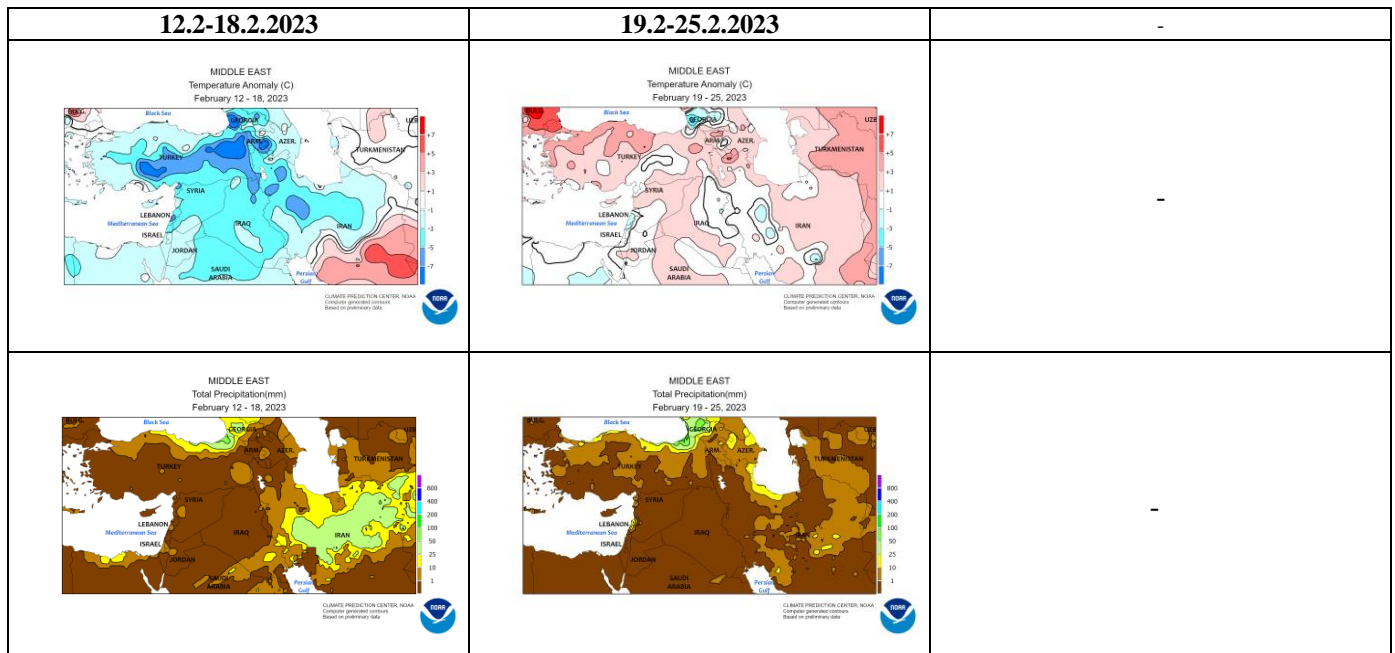


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

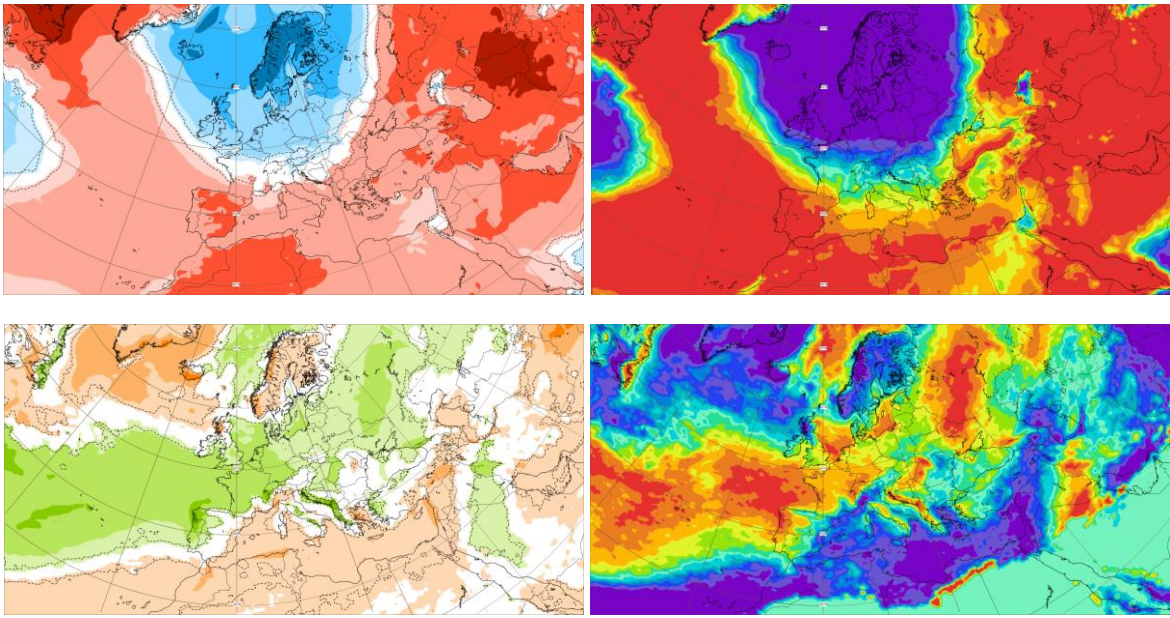


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 6.3–12.3.2023 period

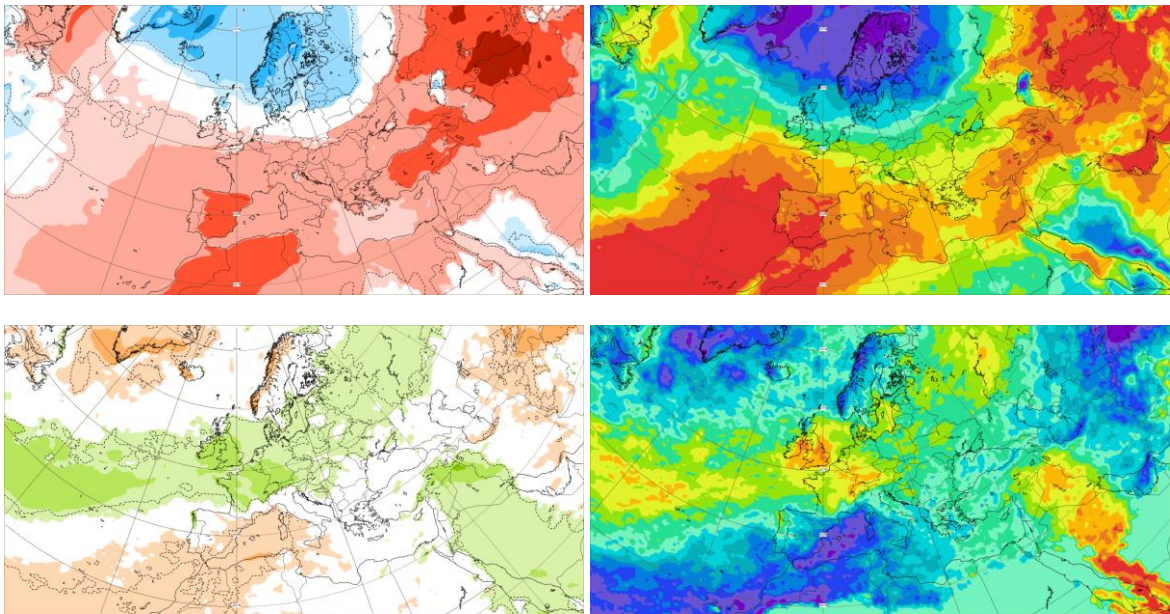


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 13.3–19.3.2023 period

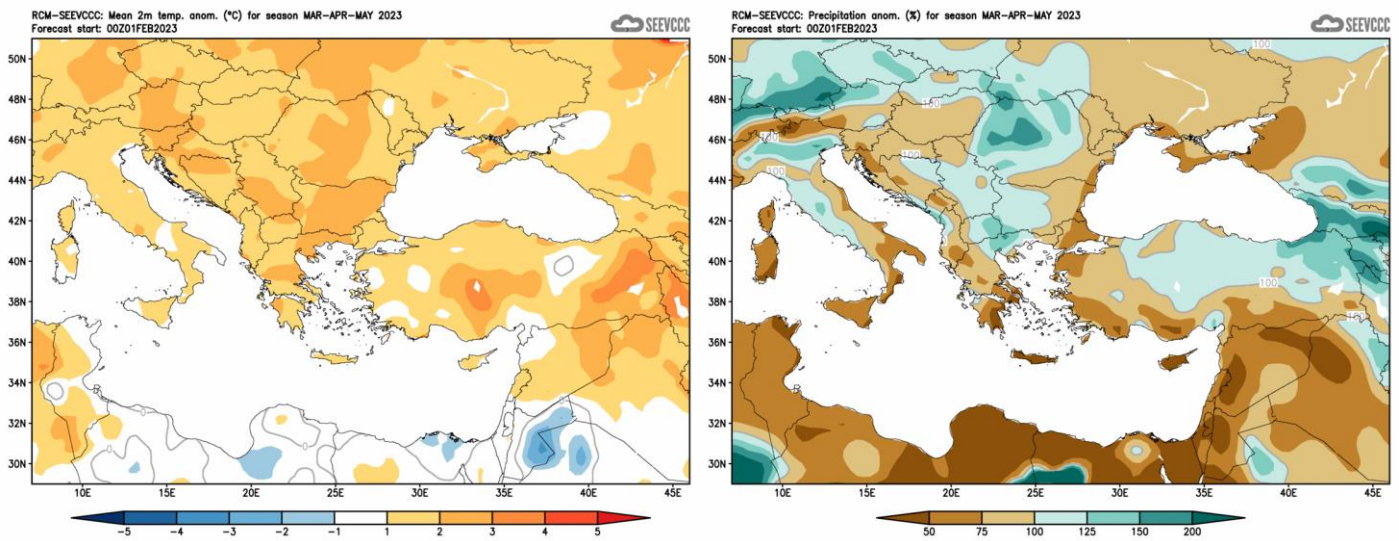


Figure 6. Mean seasonal temperature and precipitation anomaly for the season MAM (seasonal outlook from RCM – SEEVCCC)

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/>)