

Climate Watch (Serial No.: 20230313–10)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

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Cancelled

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Valid from – to: 13-3-2023 – 31-5-2023 Next amendment: 20-3-2023

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

„Within the first week (13 to 19 March 2023), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly in a range from +3°C in the southern and eastern Balkans and western Turkey and around 80% probability for exceeding upper tercile, up to +6°C in rest of the region, with above 90% probability for exceeding upper tercile. Precipitation surplus is predicted for part of the westernmost Balkans and southeastern Turkey. Probability for exceeding upper tercile is above 90%.“

Monitoring

During the period from 5 to 11 March 2023, weekly precipitation sums were below 25 mm in most of the region. In parts of the western and southwestern Balkans, western Turkey as well as part of northeastern Turkey they were up to 75 mm.

Outlook

Within the first week (13 to 19 March 2023), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly in a range from +3°C in the southern and eastern Balkans and western Turkey and around 80% probability for exceeding upper tercile, up to +6°C in rest of the region, with above 90% probability for exceeding upper tercile. Precipitation surplus is predicted for part of the westernmost Balkans and southeastern Turkey. Probability for exceeding upper tercile is above 90%.

During the second week (20 to 26 March 2023), above average mean weekly air temperature is forecasted for the entire region, with anomaly up to +3°C, even up to +6°C in central Turkey, Armenia and Georgia. Probability for exceeding upper tercile is around 80% in southern part of the region and up to 70% elsewhere. Average precipitation sums are expected in the entire region.

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 20-3-2023

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

ANNEX

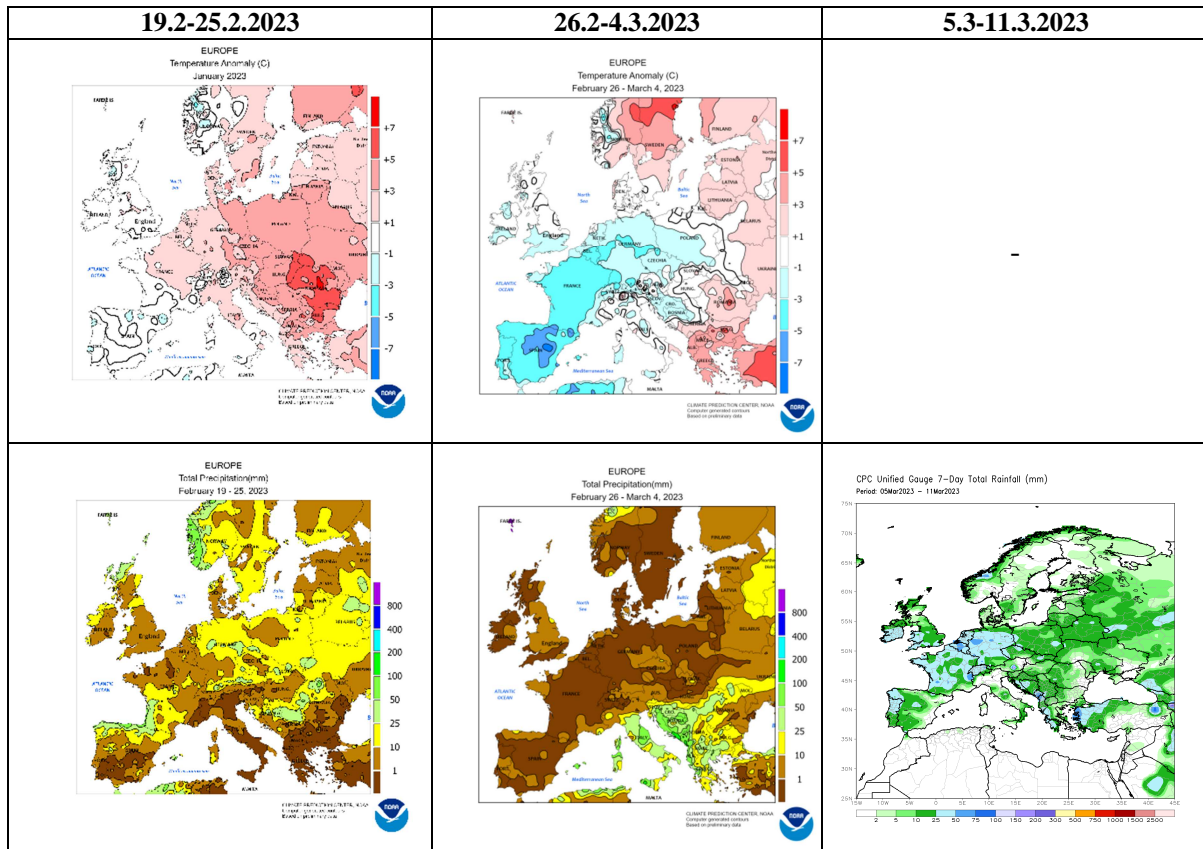


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

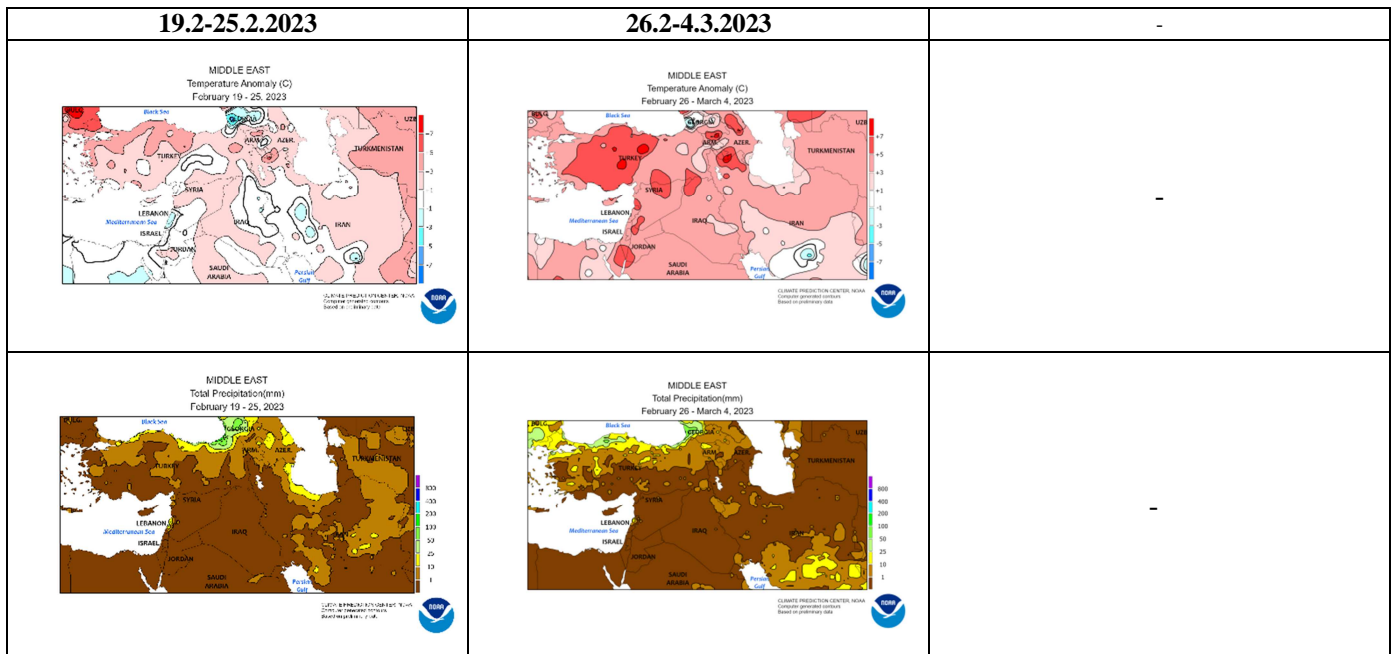


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

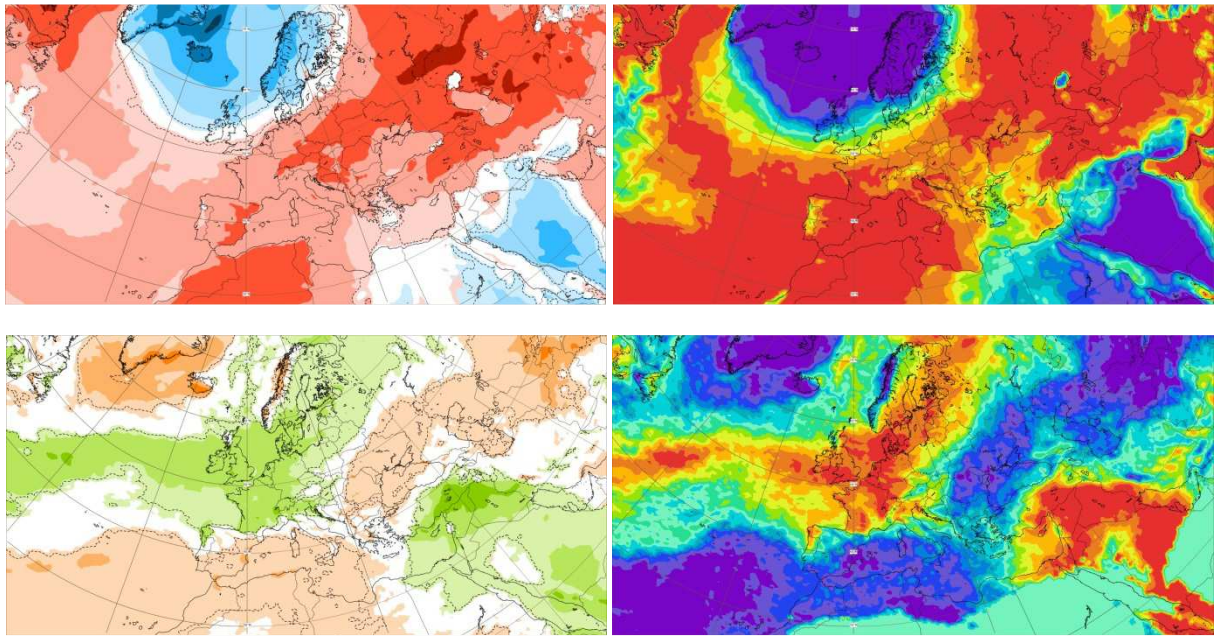


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 13.3–19.3.2023 period

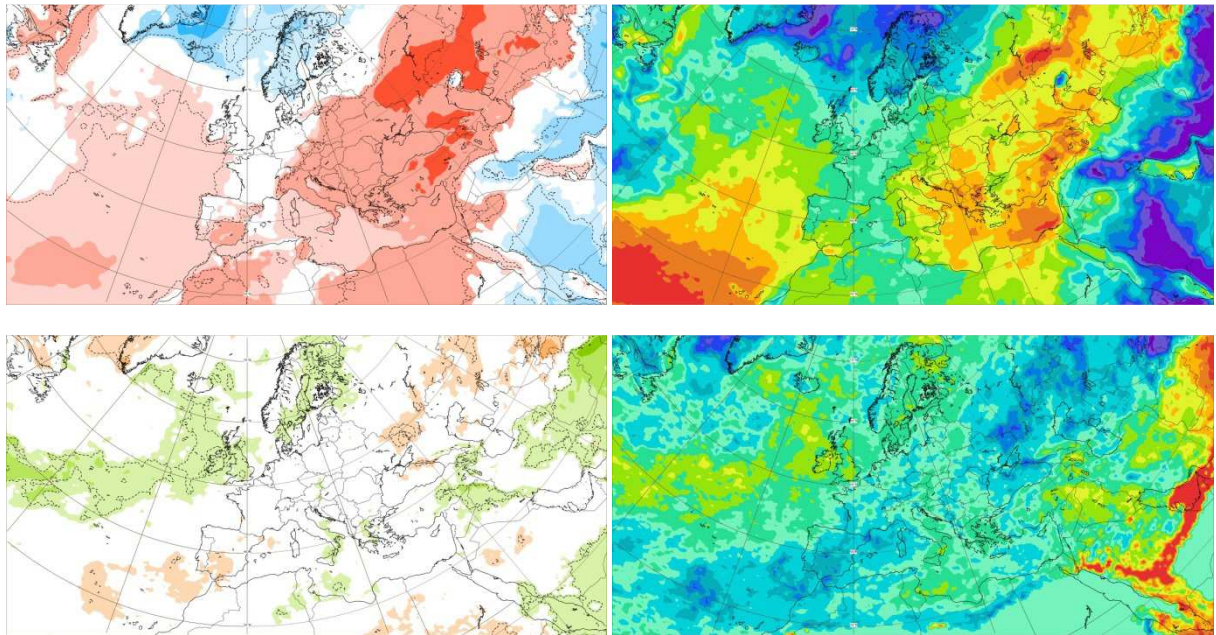


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 20.3–26.3.2023 period

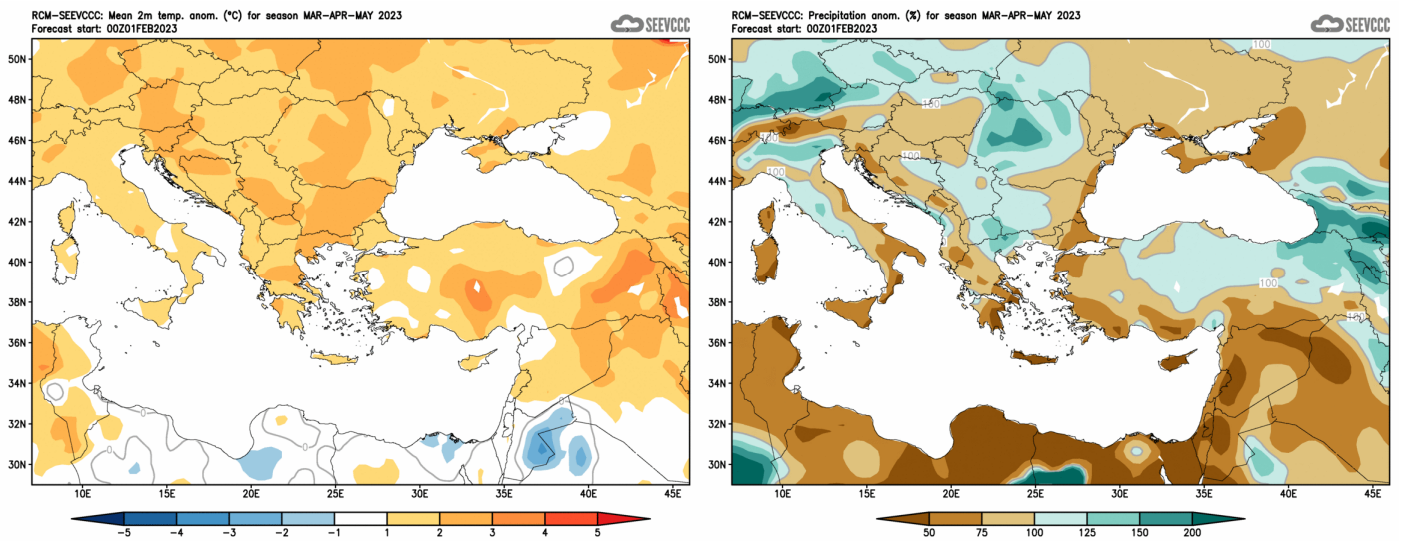


Figure 6. Mean seasonal temperature and precipitation anomaly for the season MAM (seasonal outlook from RCM – SEEVCCC)

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/>)