

Climate Watch (Serial No.: 20230109–1)

Initial/Updated/Final

Topic: **temperature** and **precipitation**

Organization issuing SEEVCCC

the statement:

Issued/ Amended / 9-1-2023 16:00 P.M.
Cancelled

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Valid from – to: 9-1-2023 – 31-3-2023 Next amendment: 16-1-2023

Region of concern: **Balkans, Pannonian Plain and South Caucasus**

„Within the first week (9 to 15 January 2022), ECMWF monthly forecast predicts below average mean weekly air temperature, with anomaly up to -6°C , in South Caucasus, with around 90% probability for exceeding lower tercile. Precipitation surplus is forecasted for the western Balkans, Pannonian Plain, eastern Mediterranean and Azerbaijan, with up to 90% probability for exceeding upper tercile.“

Monitoring

During the period from 1 to 7 January 2023, weekly precipitation sums were below 25 mm in almost the entire SEE region. Only in northeastern Turkey and some scattered locations in the Carpathian Mountains weekly precipitation totals were up to 50 mm.

Outlook

Within the first week (9 to 15 January 2022), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly up to +6°C, in most of the Balkans, Moldova and western Ukraine, Cyprus, northern and southern Turkey. Below average mean weekly air temperature, with anomaly up to –6°C, is expected in South Caucasus. Probability for exceeding upper/lower tercile is around 90%. Precipitation surplus is forecasted for the western Balkans, Pannonian Plain, eastern Mediterranean and Azerbaijan, with up to 90% probability for exceeding upper tercile.

During the second week (16 to 22 January 2022), above average mean weekly air temperature is forecasted for most of the SEE region, with anomaly up to +6°C, and with around 80% probability for exceeding upper tercile. Average weekly precipitation totals are expected in most of the region.

During the following three months (January, February and March), seasonal forecast predicts above average seasonal air temperature in most of the region, while average air temperature is expected in the southern and central parts of the Balkans, most of Turkey and western Georgia. Precipitation surplus is expected along southern part of the Adriatic Sea coast, some parts of the Carpathians, northern Turkey, the South Caucasus region and western Ukraine. Precipitation deficit is predicted for the western and southern Balkans, southern and western Turkey and Middle East.

Update

An updated statement will be issued on 16-1-2022

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

ANNEX

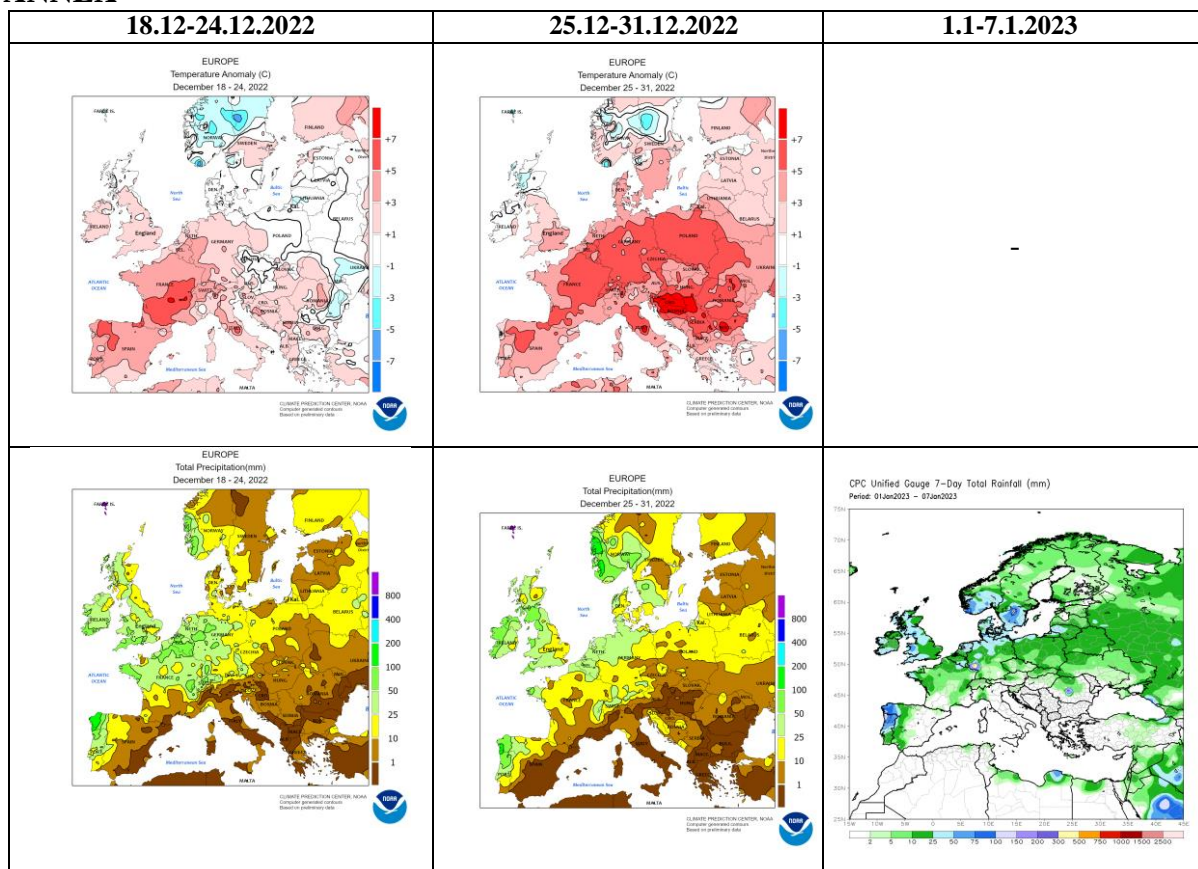


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

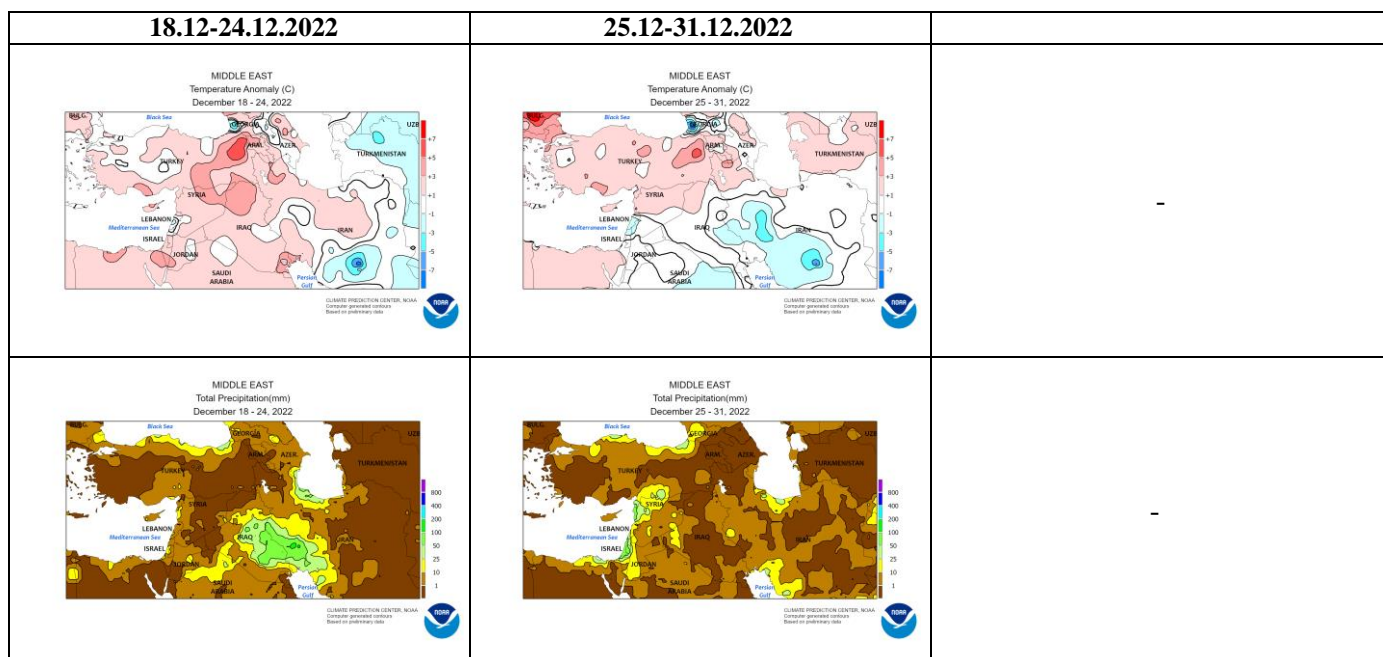


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

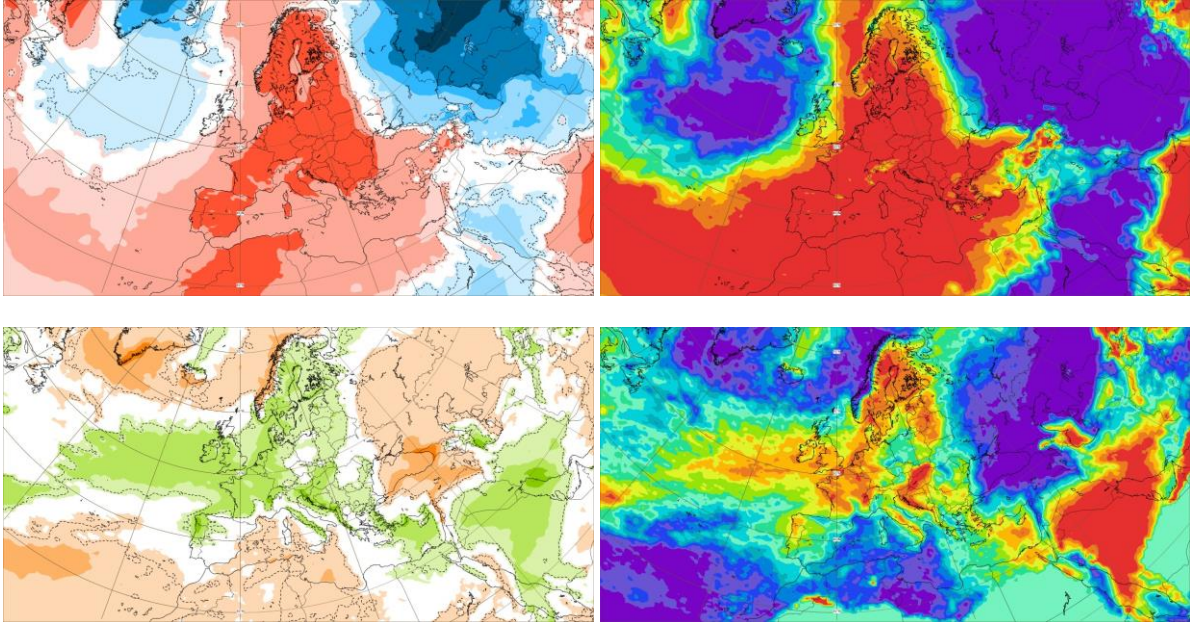


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 9.1–15.1.2023 period

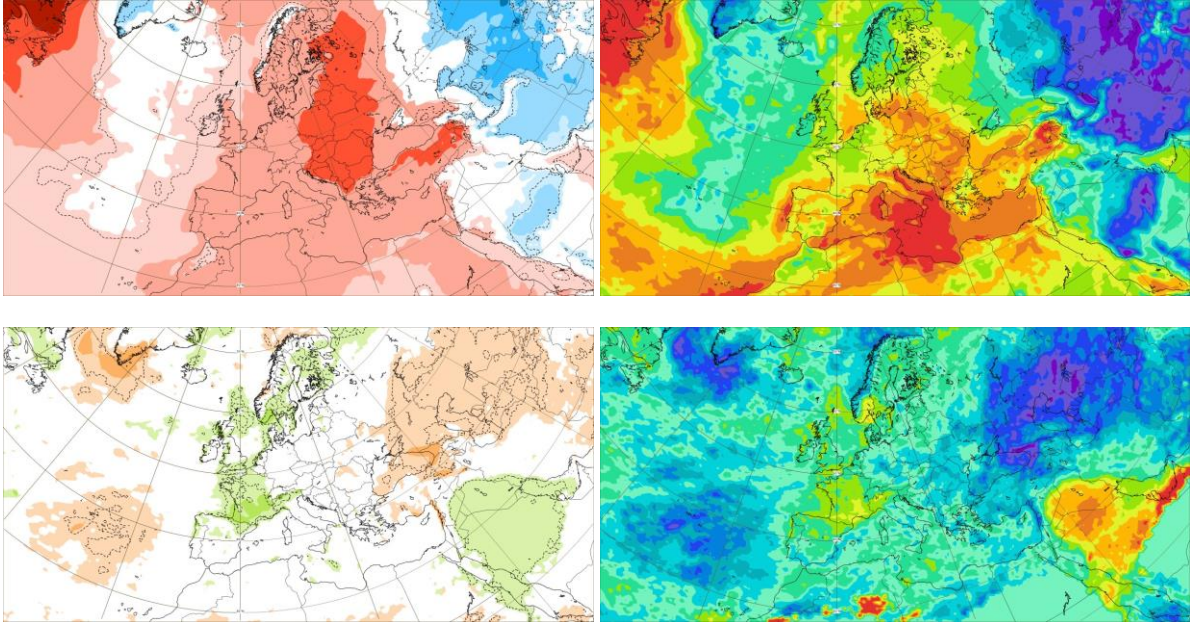


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 16.1–22.1.2023 period

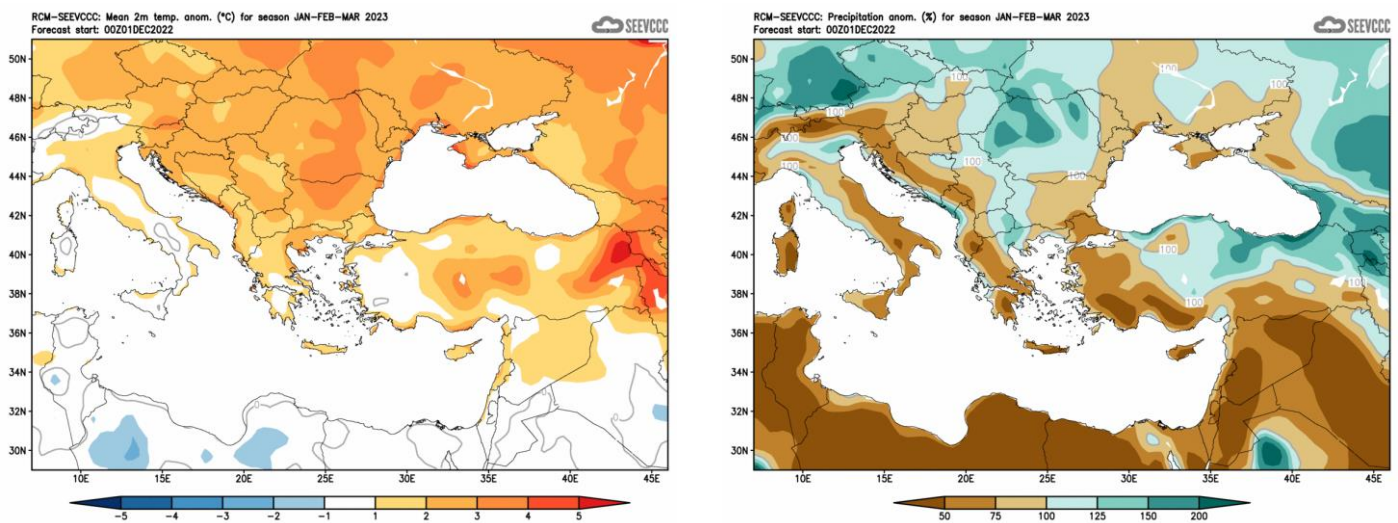


Figure 6. Mean seasonal temperature and precipitation anomaly for the season JFM (seasonal outlook from RCM – SEEVCCC)

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/>)