

Climate Watch (Serial No.: 20231127–47)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / 27-11-2023 16:00 P.M.
Cancelled

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Valid from – to: 27-11-2023 – 31-1-2024 Next amendment: 4-12-2023

Region of concern: **the Balkans, Moldova, Ukraine, Turkey**

„Within the following two weeks (27 November to 10 December 2023), below normal mean weekly air temperature is forecasted for parts of the Balkans, Carpathian Mountains, Moldova, Ukraine and northeastern Turkey (during the first week), with up to -6°C anomaly and probability for exceeding lower tercile up to 90% during the first week and up to 80% during the second week.

Precipitation surplus is expected, during the first week, in western and northern Balkans, Carpathian Mountains, Moldova, Ukraine and western Turkey, with around 90% probability for exceeding upper tercile. “

Monitoring

During the period from 19 to 25 November 2023, weekly precipitation sums were around 200 mm in western Georgia, up to 150 mm in western and central Balkans, as well as northern and eastern Turkey, around 50 mm in eastern and southwestern Balkans, western Turkey and Middle East, while in rest of the region they were up to 25 mm.

Outlook

Within the first week (27 November to 3 December 2023), ECMWF monthly forecast predicts below average mean weekly air temperature in parts of central and eastern Balkans, Carpathian Mountains, northern Ukraine and northeastern Turkey, with anomaly up to -3°C , in Ukraine and Turkey up to -6°C . Probability for exceeding lower tercile (bottom third of the lowest temperature) is up to 90%. Precipitation surplus is expected in western and northern Balkans, Carpathian Mountains, Moldova, Ukraine and western Turkey, with around 90% probability for exceeding upper tercile (top third of the highest precipitation).

During the second week (4 to 10 December 2023), below normal mean weekly air temperature is forecasted for western, eastern and central parts of the Balkans, Carpathian Mountains, Moldova and Ukraine, with anomaly up to -3°C , in the Carpathian Mountains and northern Ukraine even up to -6°C . Probability for exceeding lower tercile (bottom third of the lowest temperature) is around 60%, in Carpathian Mountains and northern Ukraine up to 80%. Precipitation surplus is expected in the eastern Balkans and northern Turkey, with around 60% probability for exceeding upper tercile (top third of the highest precipitation).

During the following three months (December, January and February), seasonal forecast predicts above average seasonal air temperature in most of the region. Precipitation surplus is expected in the Carpathians, along Adriatic coast, northern and eastern Turkey and South Caucasus.

Update

An updated statement will be issued on 4-12-2023

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

ANNEX

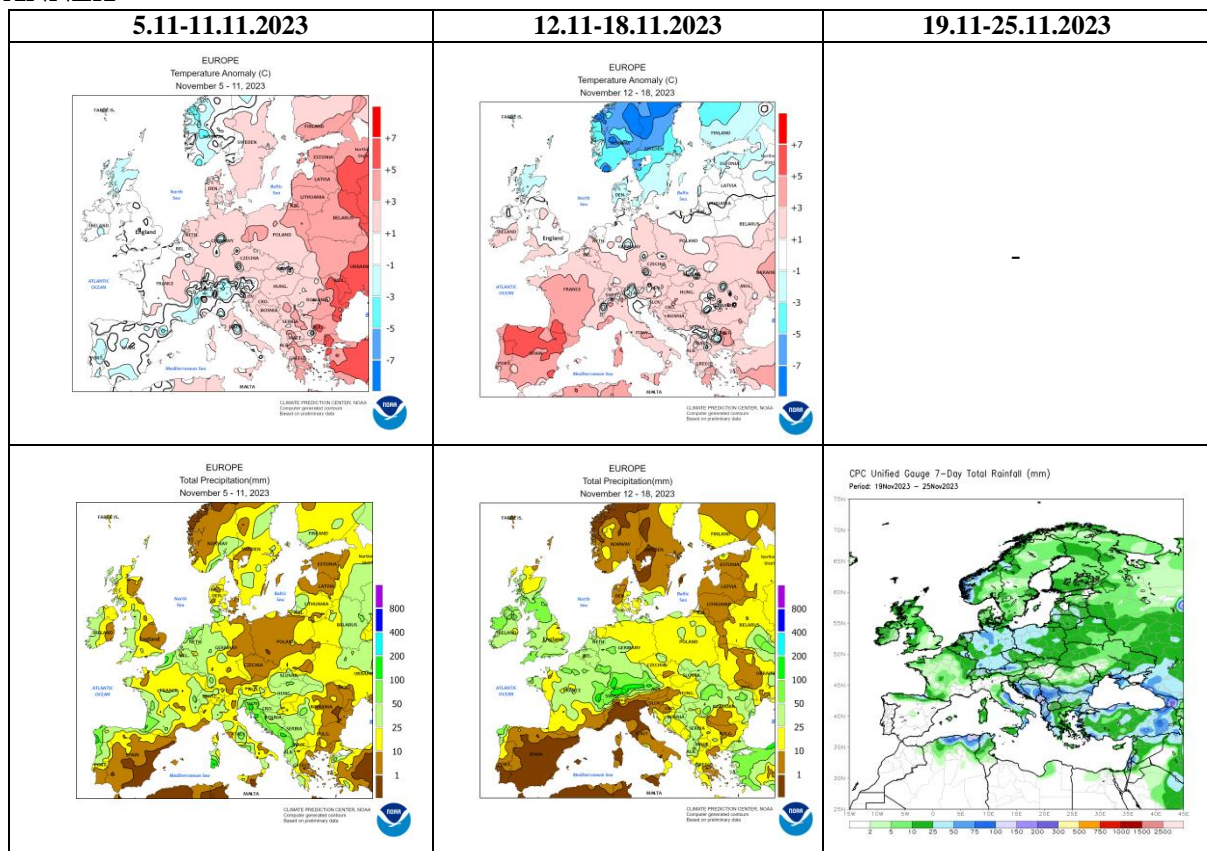


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

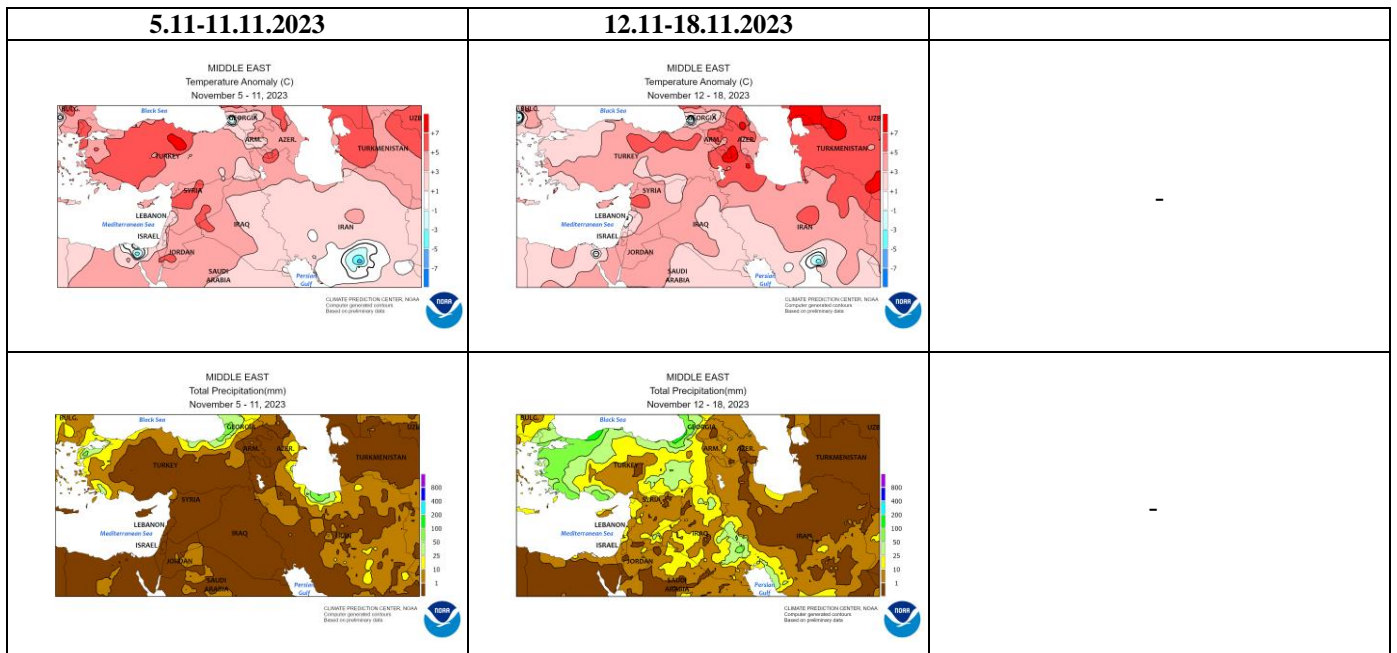


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

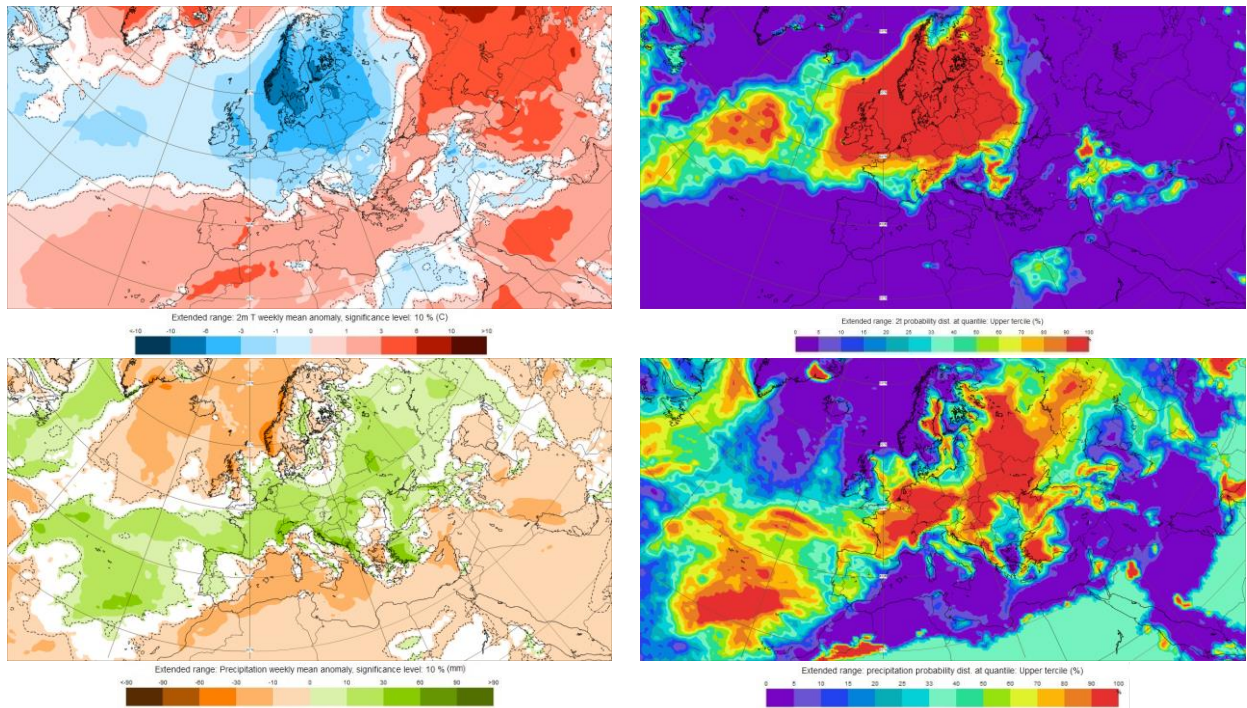


Figure 3. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 27.11–3.12.2023 period (source: European Centre for Medium-Range Weather Forecasts)

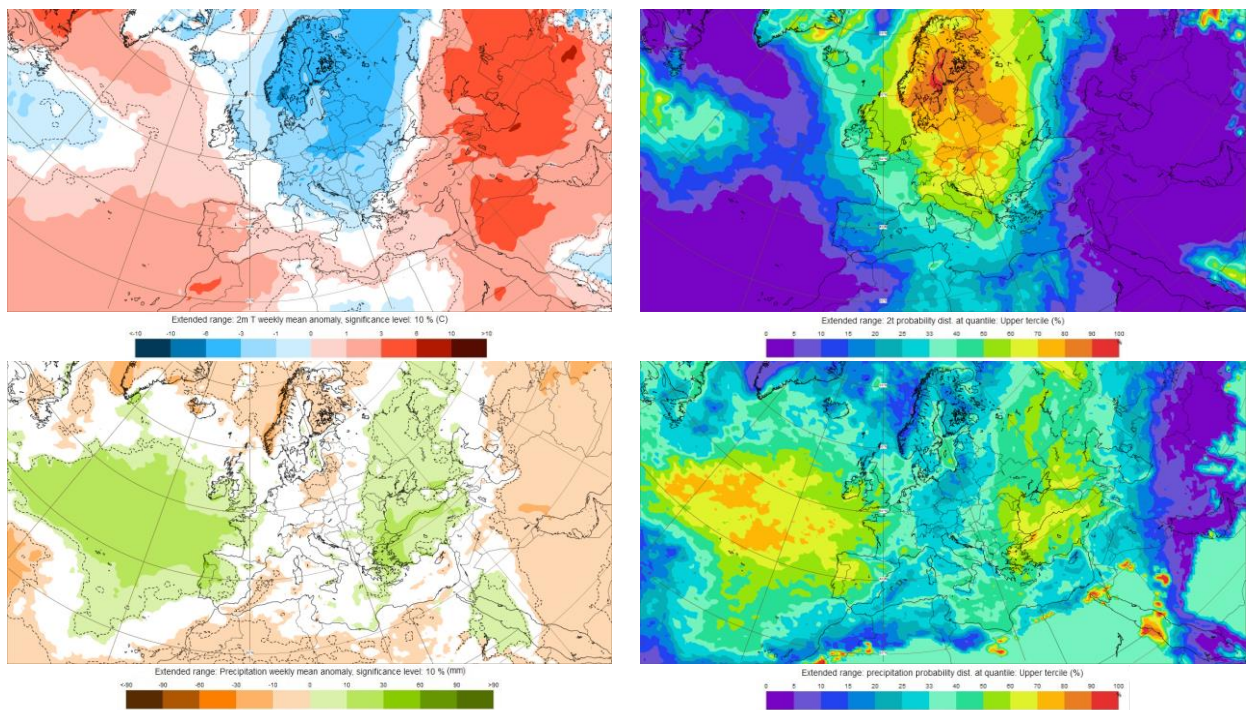


Figure 4. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 4.12–10.12.2023 period (source: European Centre for Medium-Range Weather Forecasts)

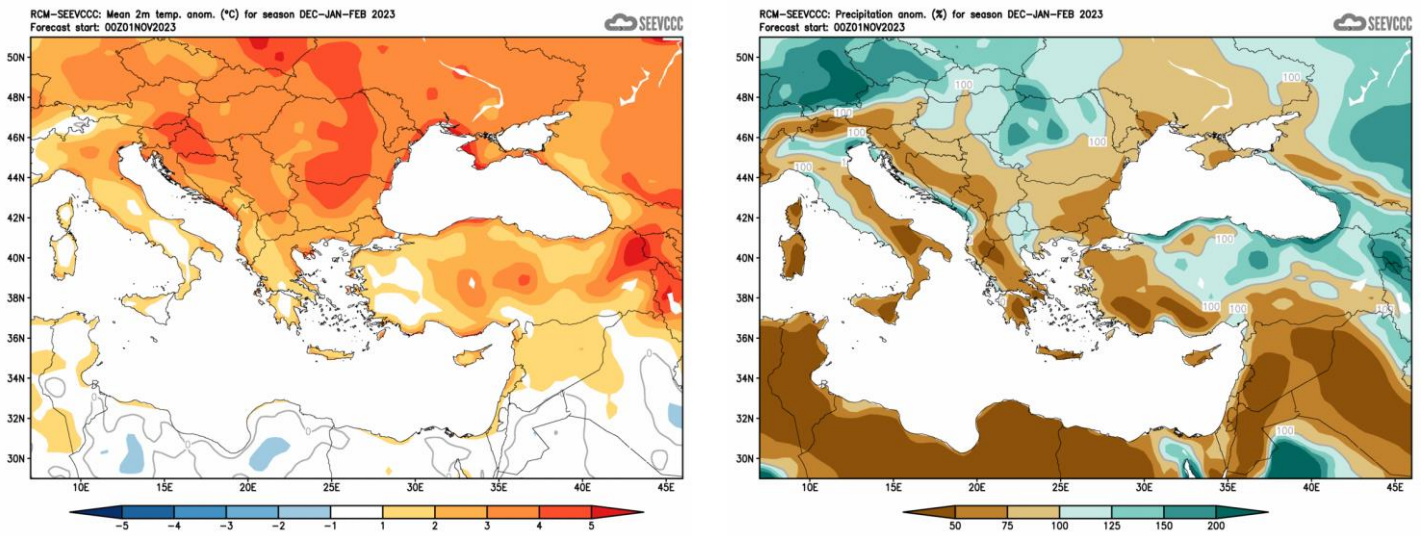


Figure 5. Mean seasonal temperature and precipitation anomaly for the season DJF (seasonal outlook from RCM – SEEVCCC)

Sources

- Republic Hydrometeorological Service of Serbia (www.hidmet.gov.rs)
- South East European Virtual Climate Change Center (www.seevccc.rs)
- European Centre 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/>)