

Climate Watch (Serial No.: 20221219–49)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing SEEVCCC

the statement:

Issued/ Amended / 19-12-2022 16:00 P.M.

Cancelled

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Valid from – to: 19-12-2022 – 31-3-2023

Next amendment: 26-12-2022

Region of concern: **Balkans, Turkey, south Caucasus**

„Within the first week (19 to 25 December 2022), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly up to +3°C, in the southern and southwestern Balkans, in Georgia, Azerbaijan and central Romania, whilst anomaly up to +6°C, is forecast for Armenia, eastern and central Turkey with around 90% probability for exceeding upper tercile, in Turkey up to 100%. Precipitation deficit is forecasted for most of the Balkans, western and southeastern Turkey and western Georgia, with around 90% probability for exceeding lower tercile.“

Monitoring

During the period from 11 to 17 December 2022, weekly precipitation sums were up to 200 mm in most of Montenegro and southwestern Turkey, ranging from 50 mm up to 100 mm in the western and southwestern Balkans, as well as southern Turkey. In rest of the region, weekly precipitation totals were below 50 mm.

Outlook

Within the first week (19 to 25 December 2022), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly up to +3°C, in the southern and southwestern Balkans, in Georgia, Azerbaijan and central Romania, whilst anomaly up to +6°C, is forecast for Armenia and eastern and central Turkey with around 90% probability for exceeding upper tercile in Turkey up to 100%. Precipitation deficit is forecasted for most of the Balkans, western and southeastern Turkey and western Georgia, with around 90% probability for exceeding lower tercile.

During the second week (26 December to 1 January 2022), above average mean weekly air temperature is forecasted for most of the Balkans, most of Turkey and Armenia, with anomaly up to +3°C, and with around 70% probability for exceeding upper tercile, in eastern Turkey and Armenia up to 90%. Average precipitation is expected for 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 are 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 26-12-2022

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

ANNEX

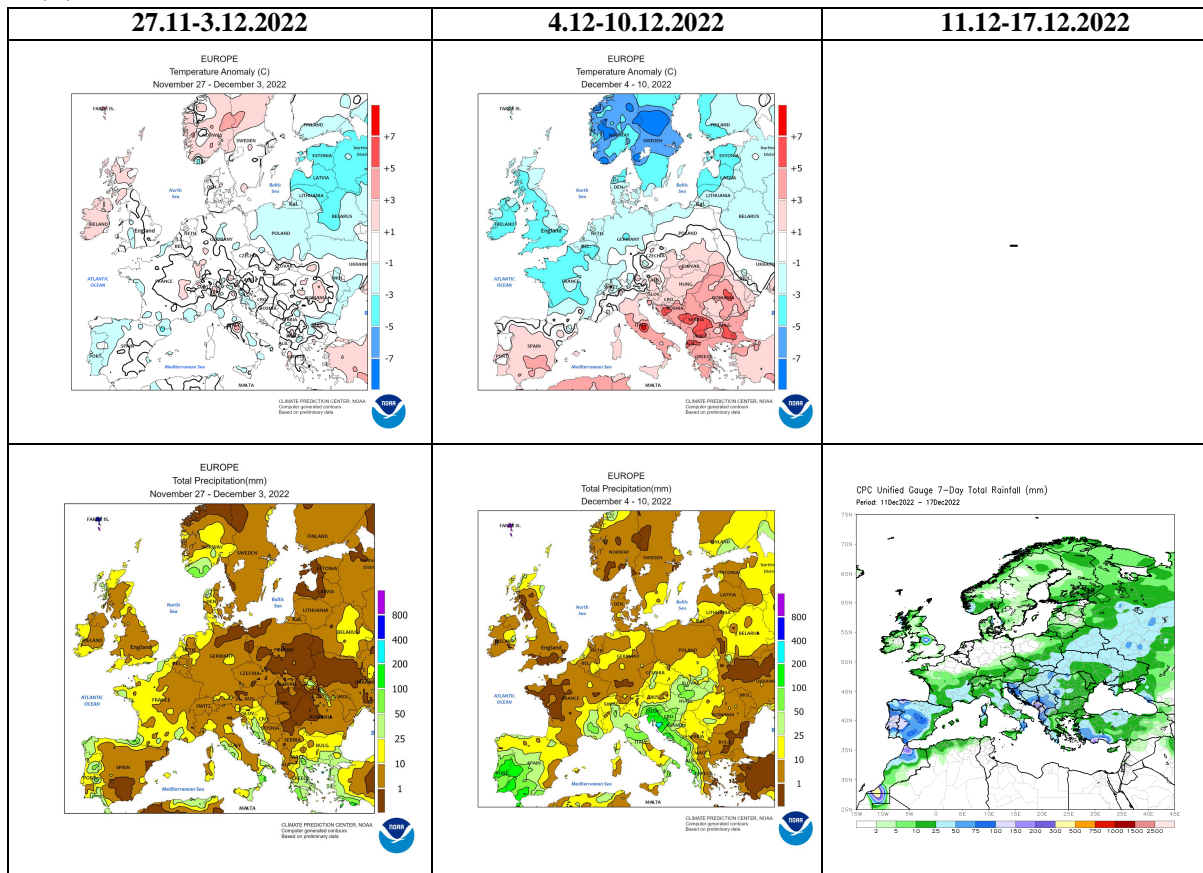


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

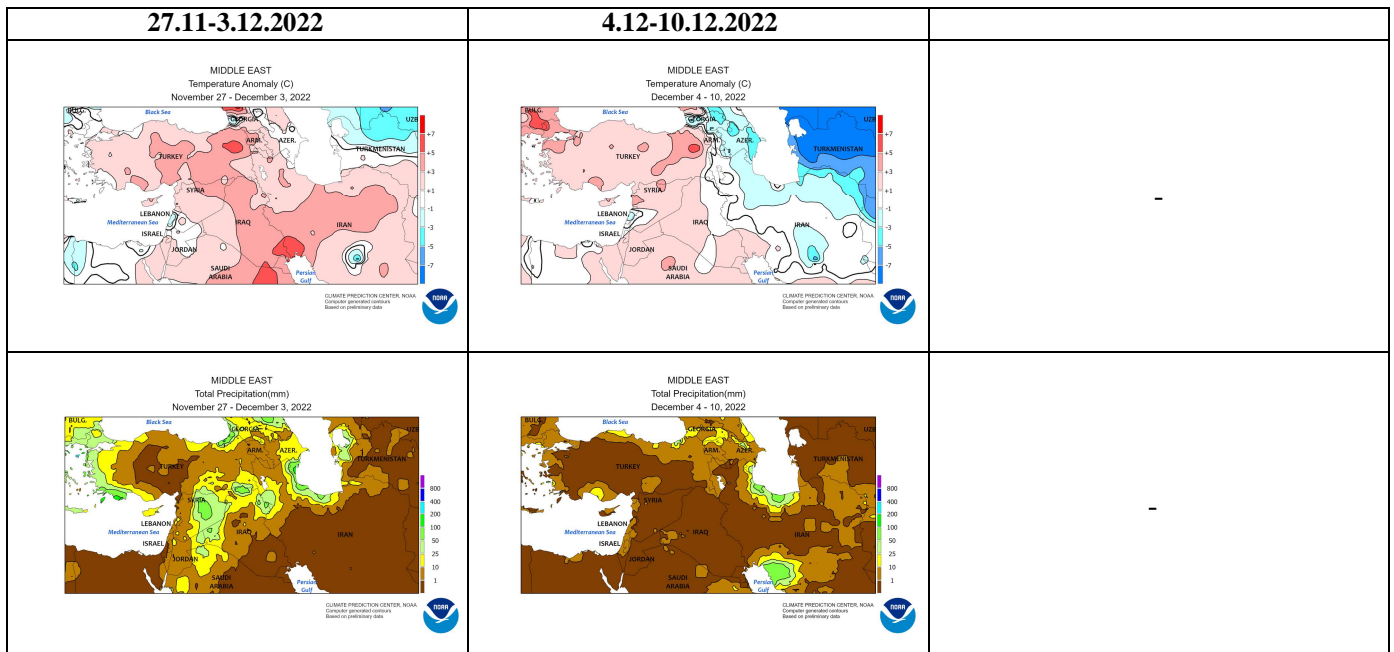


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

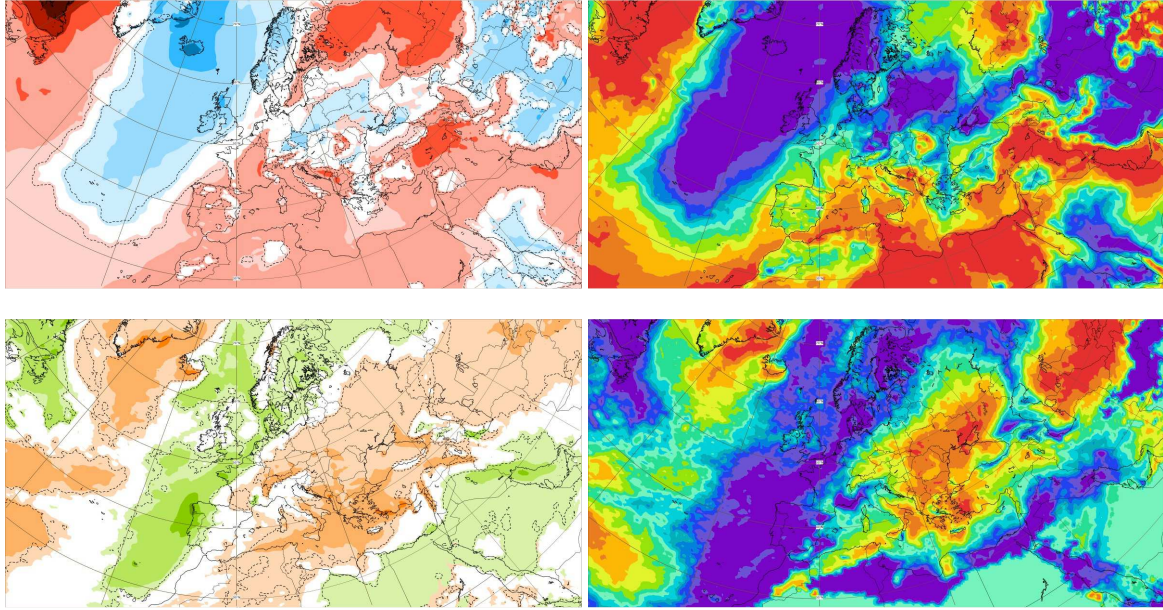


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 12.12–18.12.2022 period

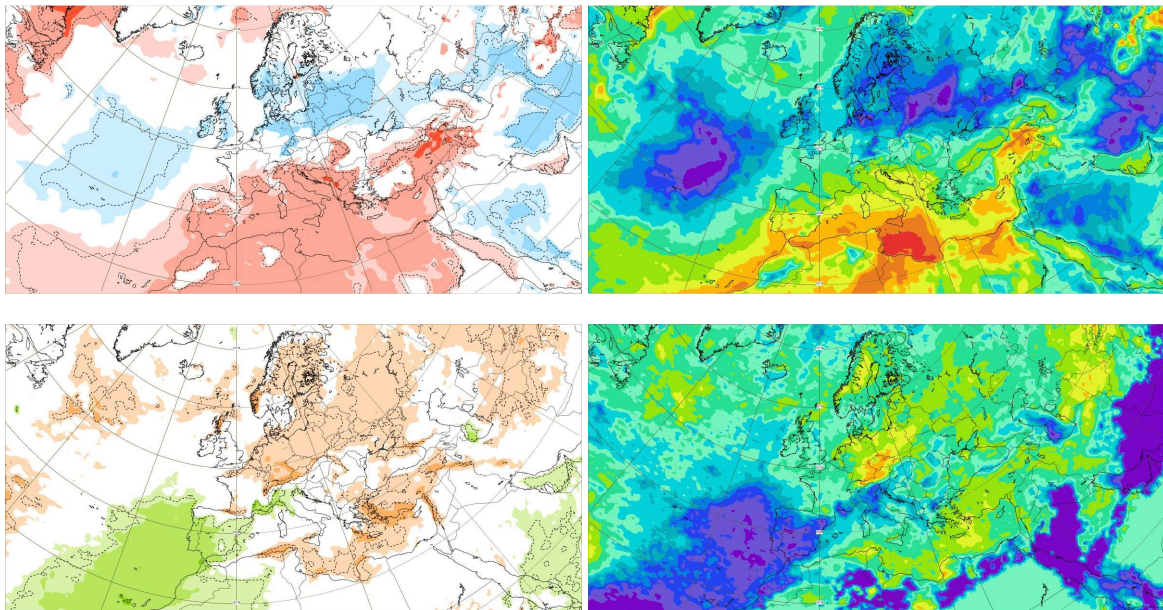


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 19.12–25.12.2022 period

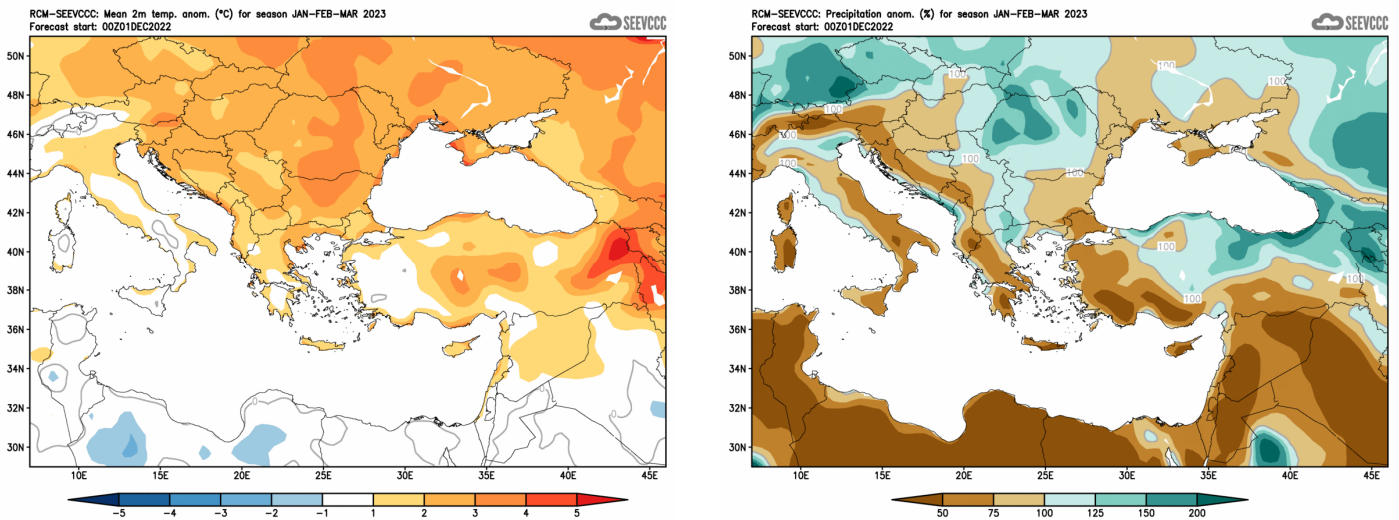


Figure 6. Mean seasonal temperature and precipitation anomaly for the season JFM (seasonal outlook from RCM – SEEVCCC)

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/>)