

Topic: **temperature and precipitation**

Organization issuing SEEVCCC

the statement:

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Cancelled

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Valid from – to: 26-12-2022 – 31-3-2023 Next amendment: 2-1-2023

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

„Within the first week (26 December to 2 January 2022), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly up to +3°C, in parts of the southern and eastern Balkans, in Moldova, most of Turkey and South Caucasus, whilst anomaly up to +6°C, is forecast for rest of the region with around 90% probability for exceeding upper tercile in most of Balkans up to 100%. Precipitation surplus is expected in north and east Ukraine, with up to 70% probability for exceeding upper tercile. Precipitation deficit is forecasted for the central and southern Balkans, western and southern Turkey and Aegean Sea coast, with up to 90% probability for exceeding lower tercile.“

Monitoring

During the period from 18 to 25 December 2022, weekly precipitation sums were up to 50 mm in some parts of northern Turkey. In rest of the region, weekly precipitation totals were below 25 mm.

Outlook

Within the first week (26 December to 2 January 2022), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly up to +3°C, in parts of the southern and eastern Balkans, in Moldova, most of Turkey and South Caucasus, whilst anomaly up to +6°C, is forecast for rest of region with around 90% probability for exceeding upper tercile in most of Balkans up to 100%. Precipitation surplus is expected in north and east Ukraine, with up to 70% probability for exceeding upper tercile. Precipitation deficit is forecasted for the central and southern Balkans, western and southern Turkey and Aegean Sea coast, with up to 90% probability for exceeding lower tercile.

During the second week (2 to 9 January 2022), above average mean weekly air temperature is forecasted for most of the Balkans, Moldova and most of Ukraine, with anomaly up to +6°C, and with up to 90% probability for exceeding upper tercile. Average precipitation is expected for most of the region. Precipitation deficit is forecasted for Adriatic coast, south Balkans, most of Turkey and Aegean Sea coast, with up to 90% probability for exceeding lower tercile.

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 2-1-2022

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

ANNEX

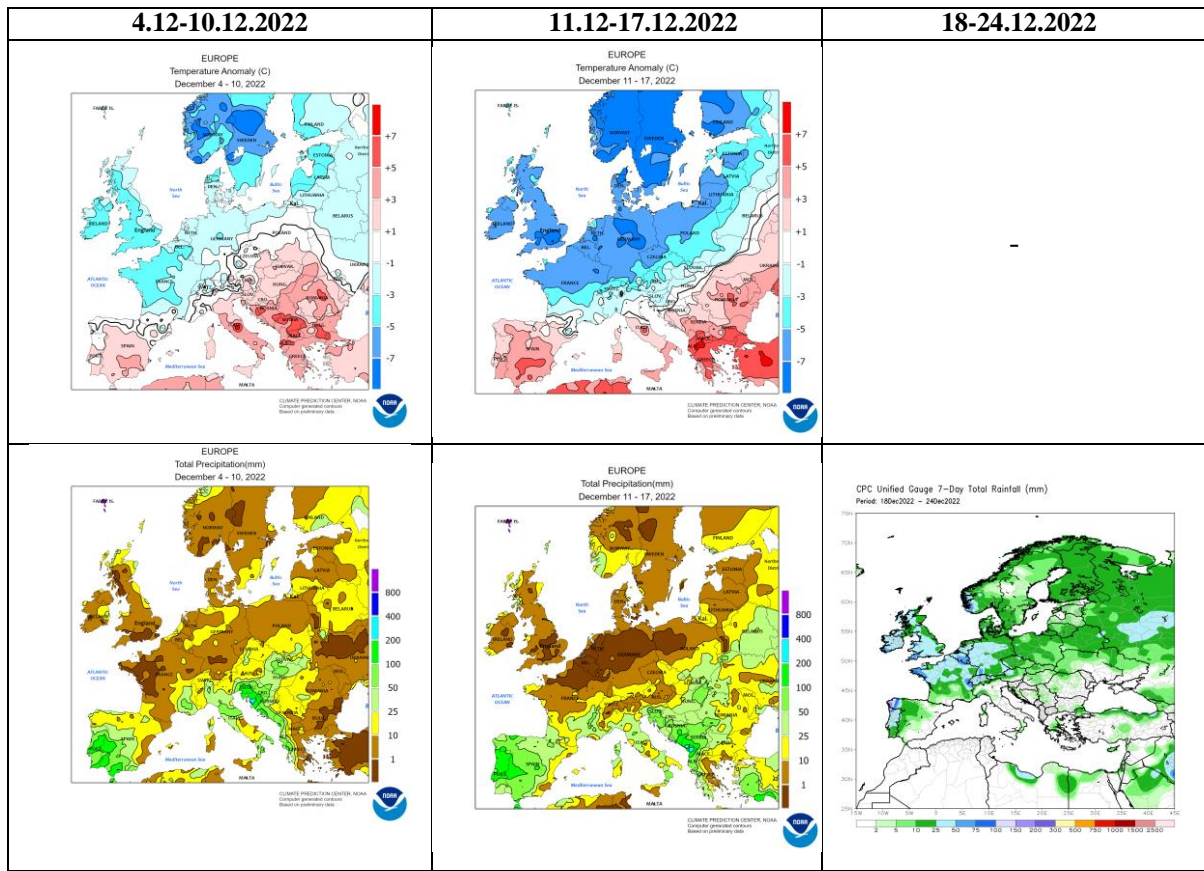


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

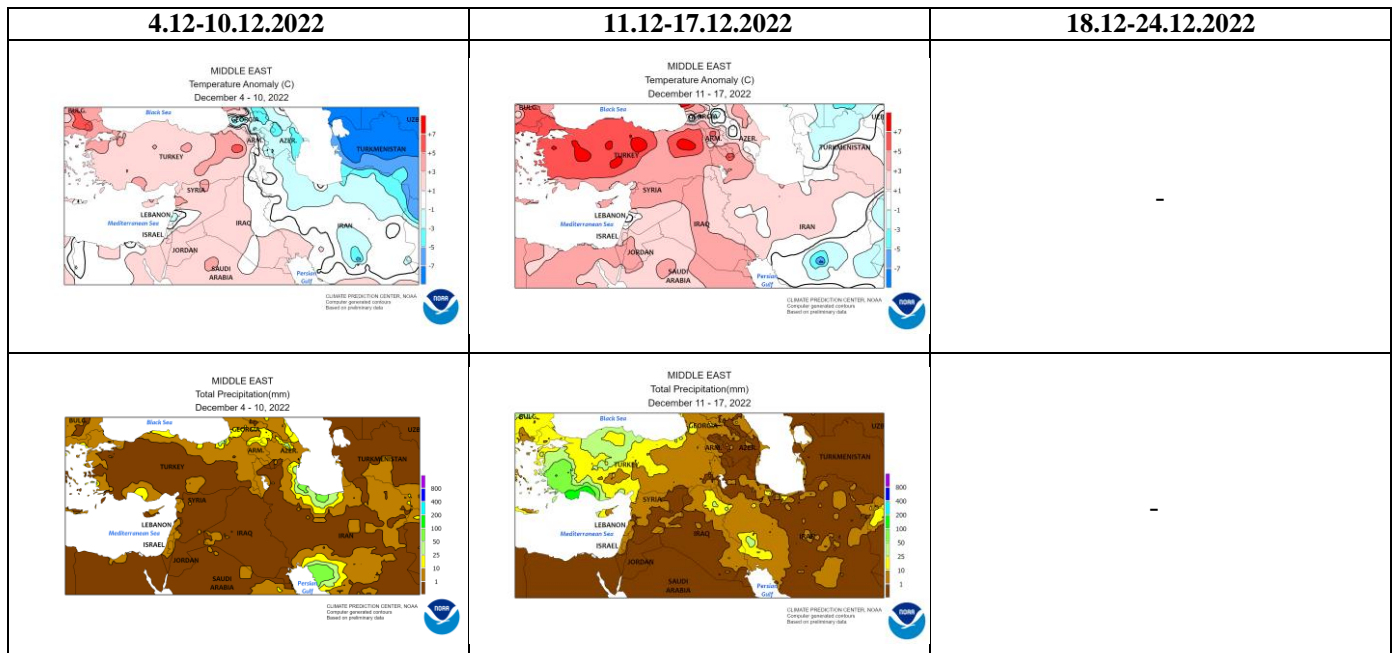


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

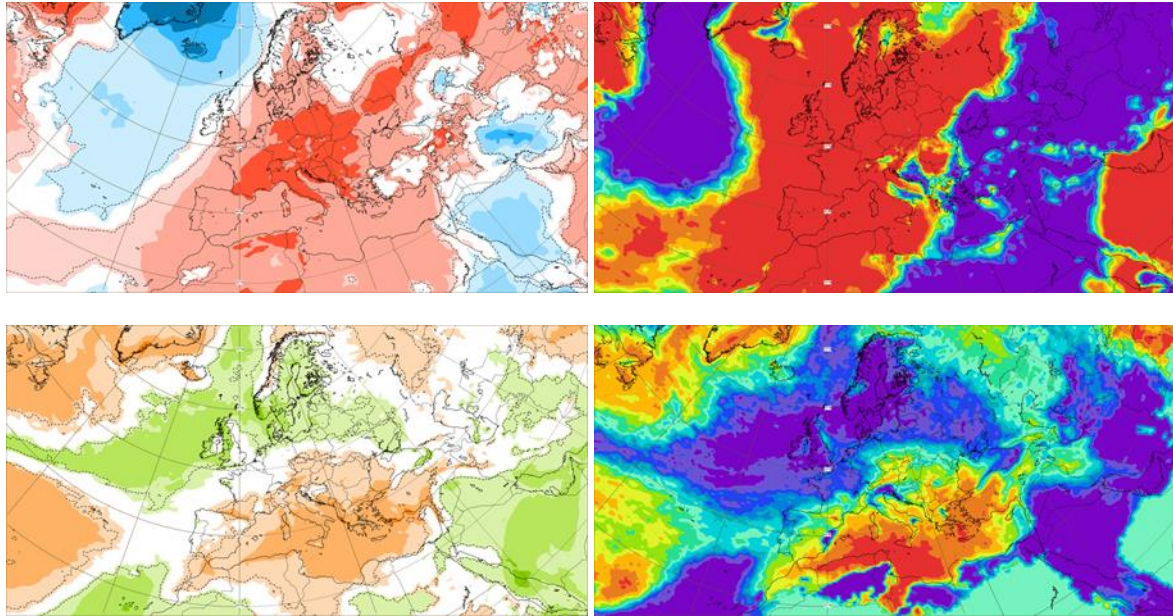


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 26.12.2022–2.1.2023. period

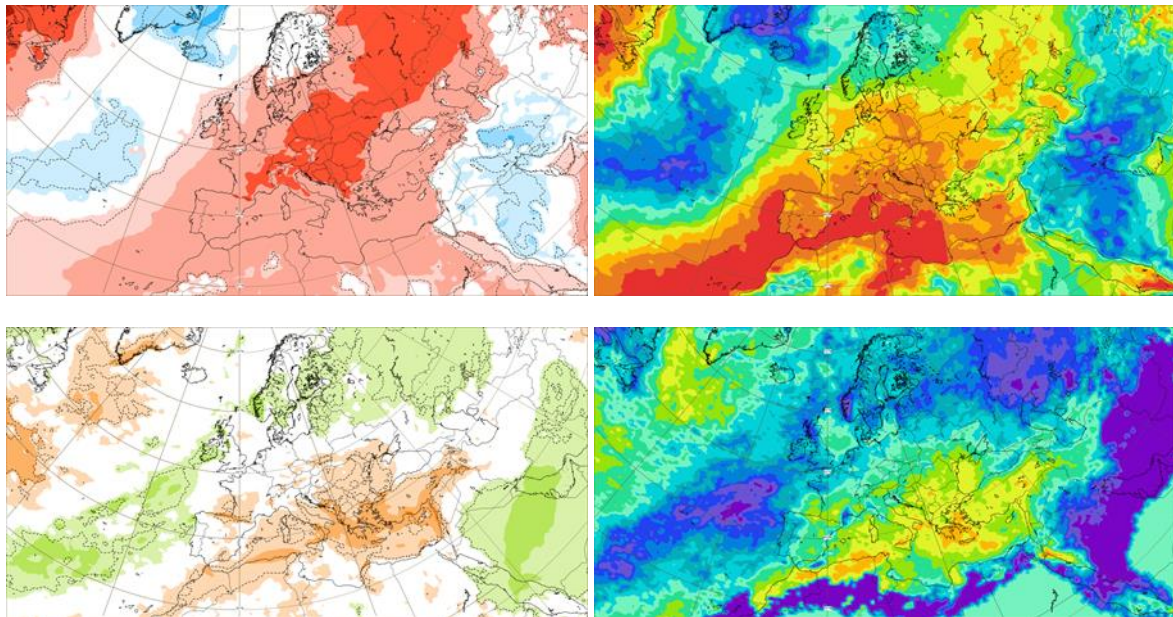


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 2.1–9.1.2023 period

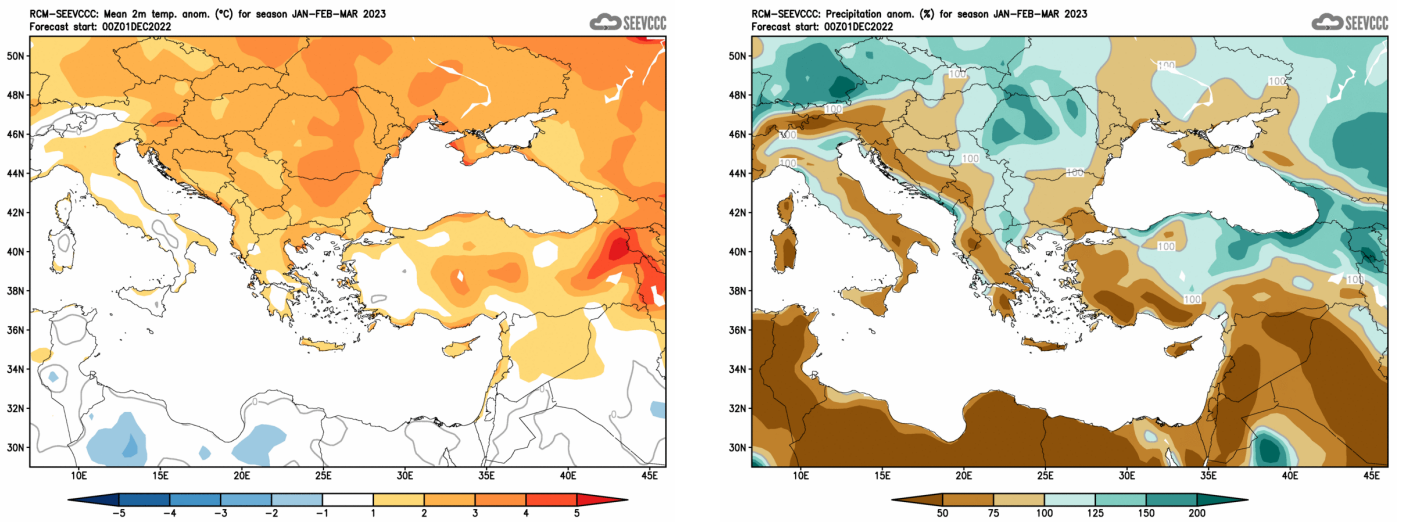


Figure 6. Mean seasonal temperature and precipitation anomaly for the season JFM (seasonal outlook from RCM – SEEVCCC)

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/>)