

Topic: **precipitation**

Organization issuing
the statement: SEEVCCC

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Cancelled

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Region of concern: **Balkans, Moldova, Ukraine, South Caucasus**

„Within the first week (28 November to 4 December 2022), ECMWF monthly forecast predicts precipitation surplus for the following areas: Aegean Sea, East Mediterranean, and some location in South Caucasus, with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for most of the SEE region with around 80% probability for exceeding lower tercile. Below average mean weekly air temperature is expected in most of the Balkans, as well as Moldova and northern Ukraine, with anomaly up to –6°C, with up to 90% probability for exceeding lower tercile “

Monitoring

During the period from 20 to 27 November 2022, weekly precipitation sums were up to 200 mm in some parts of Albania and Montenegro. In most of the Balkans, western and southern Turkey, as well as some locations in Moldova and Ukraine weekly precipitation totals reached up to 100 mm, while rest of the region received up to 50 mm of precipitation.

Outlook

Within the first week (28 November to 4 December 2022), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly up to +3°C, in southern and eastern Turkey and parts of the South Caucasus. Probability for exceeding upper tercile is 90%. Below average mean weekly air temperature is expected in most of Balkans, as well as Moldova and northern Ukraine, with anomaly up to -6°C, with up to 90% probability for exceeding lower tercile. Precipitation surplus is forecasted for the following areas: Aegean Sea, East Mediterranean, and some location in South Caucasus, with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for most of the SEE region with around 80% probability for exceeding lower tercile.

During the second week (4 to 12 December 2022), below average mean weekly air temperature is forecasted for some parts of the northwestern, central and eastern Balkans, as well as Moldova, with anomaly up to -3°C, in Ukraine up to -6°C. Probability for exceeding lower tercile is up to 90% in most of Ukraine. Precipitation deficit is expected in western and central Turkey, with up to 70% probability for exceeding lower tercile. In rest of the region, average weekly precipitation sums are predicted.

During the following three months (December 2022, January and February 2023), seasonal forecast predicts above average seasonal air temperature in the northern and central parts of the Balkans, Ukraine, Carpathian Mountains, along Adriatic and Black Sea coasts, some parts of central and eastern Turkey, as well as central South Caucasus. Precipitation surplus is expected along southern part of the Adriatic Sea coast, some parts of the Carpathians, northern Turkey and the South Caucasus region. Precipitation deficit is predicted for the western and southern Balkans, southwestern Turkey and Middle East.

Update

An updated statement will be issued on 5-12-2022

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

ANNEX

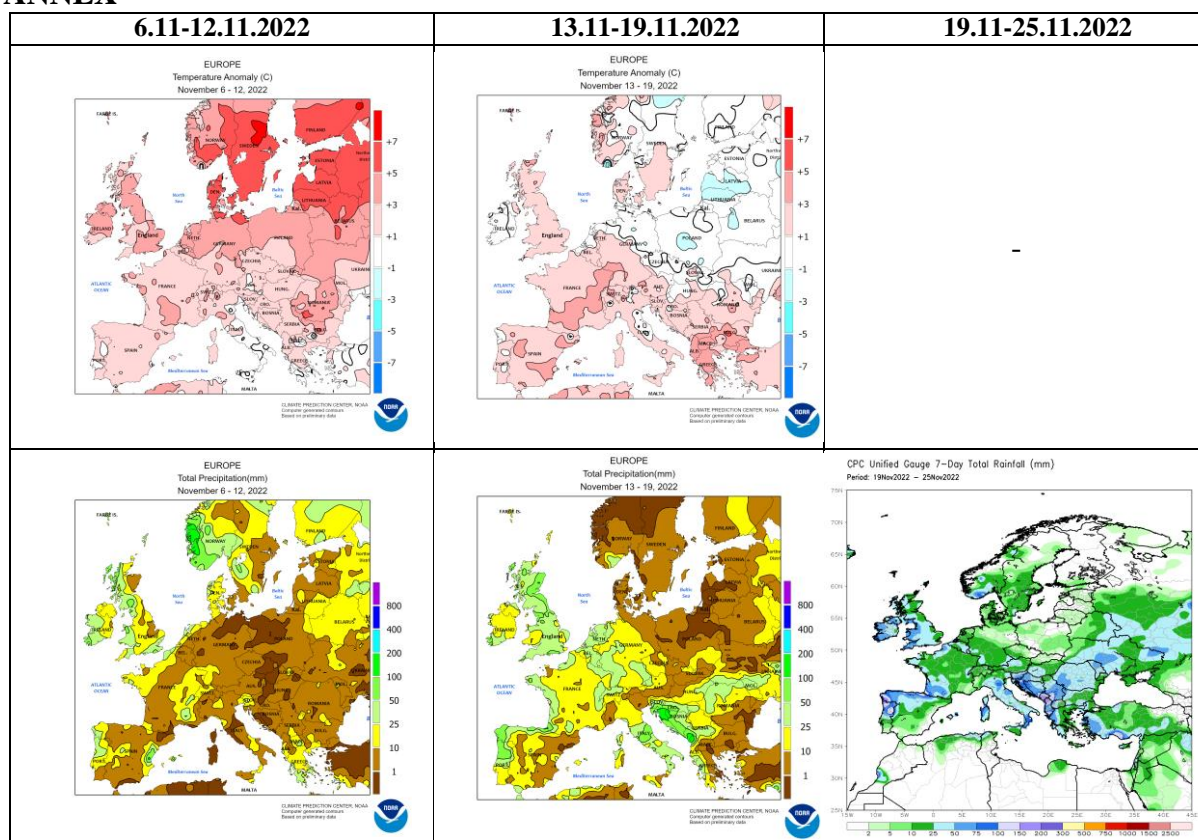


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

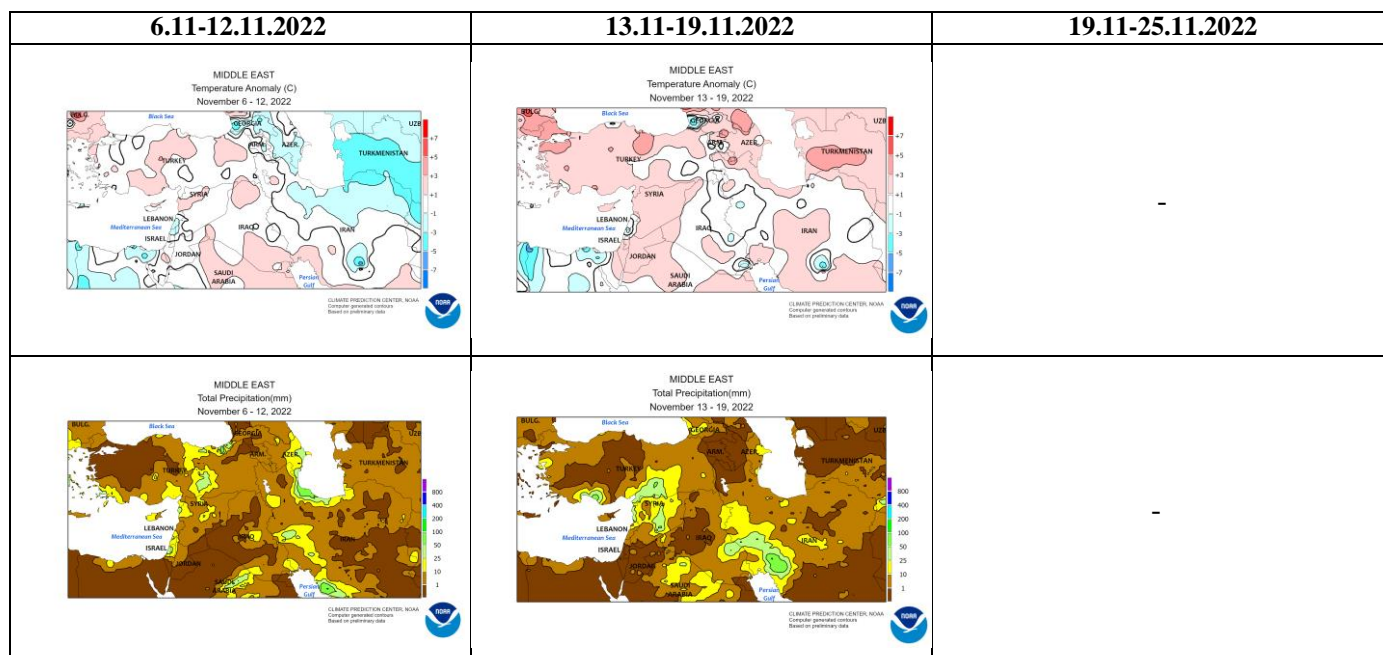


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

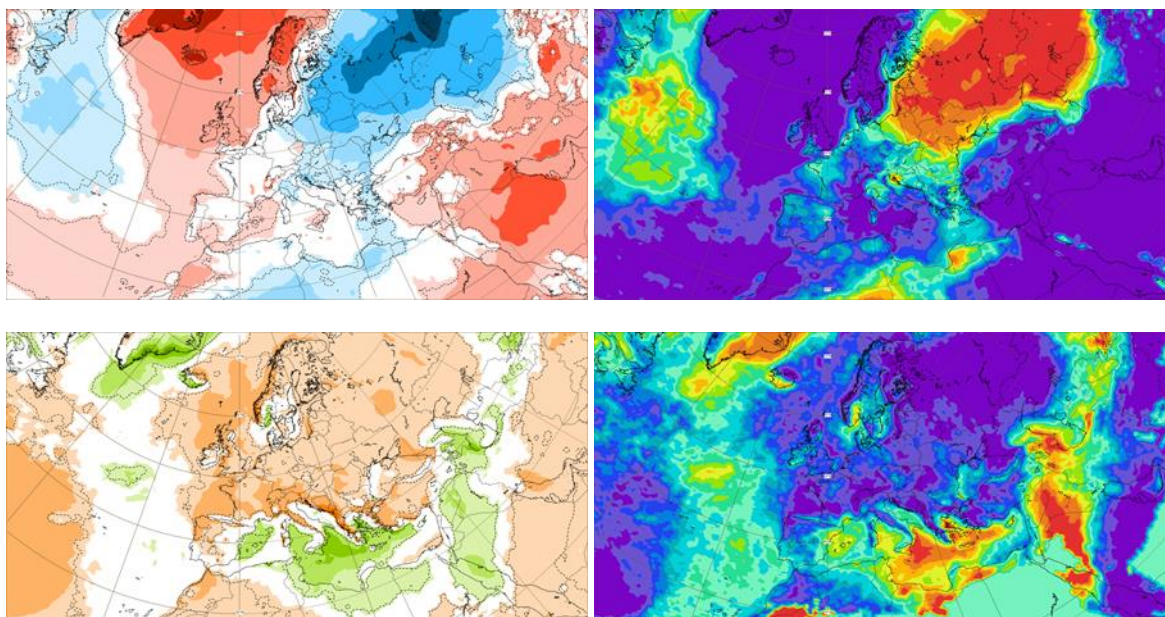


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 28.11–4.12.2022 period

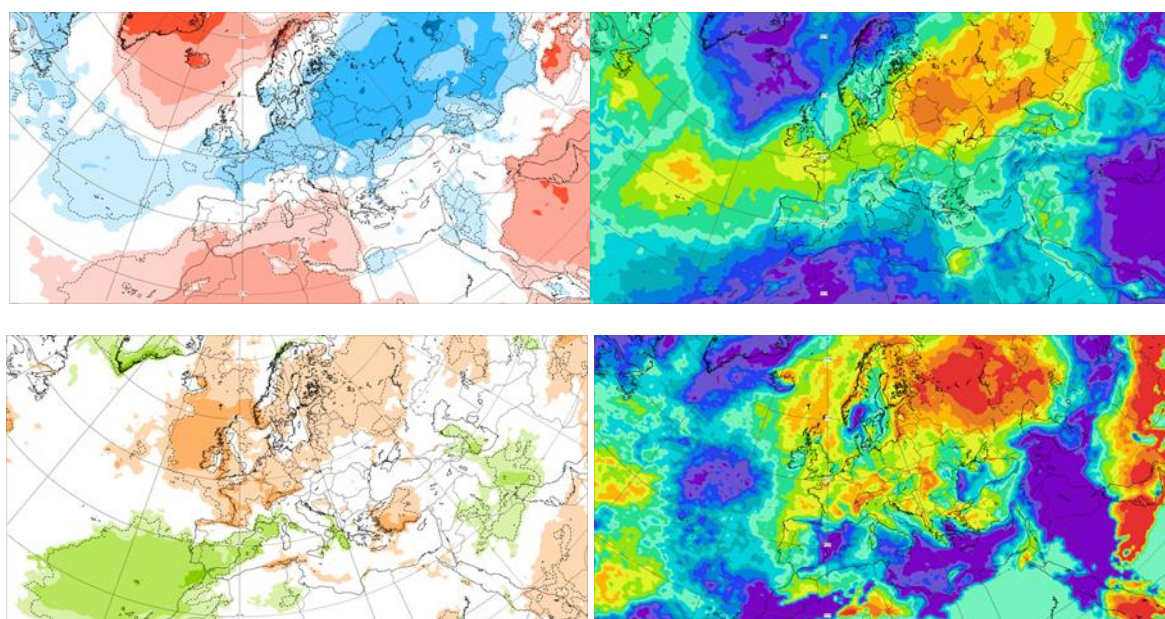


Figure 4. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 5.12–12.12.2022 period

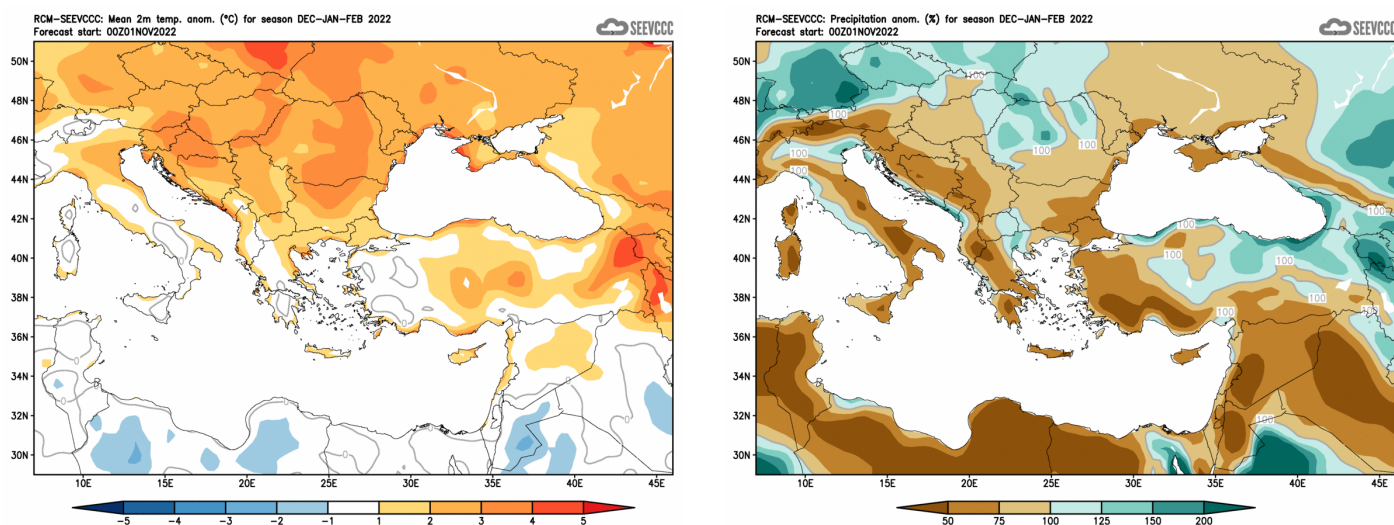


Figure 6. Mean seasonal temperature and precipitation anomaly for the season DJF (seasonal outlook from RCM – SEEVCCC)

Sources

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