

Topic: **precipitation**

Organization issuing
the statement: SEEVCCC

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Cancelled

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Valid from – to: 5-12-2022 – 28-2-2023 Next amendment: 12-12-2022

Region of concern: **western Balkans, Hungary and Romania**

„Within the first week (5 to 11 December 2022), ECMWF monthly forecast predicts precipitation surplus for the western Balkans, Panonnian Plain and northern Carpathian mountains, with up to 90% probability for exceeding upper tercile. During the second week (12 to 18 December) precipitation surplus is expected in western Balkans and Panonnian Plain, with around 70% probability for exceeding upper tercile.“

Monitoring

During the period from 27 November to 3 December 2022, weekly precipitation sums were up to 100 mm in the southern Balkans and western Turkey, up to 50 mm in some parts of western Balkans, eastern Turkey and western Georgia. In rest of the region, weekly precipitation totals were below 25 mm.

Outlook

Within the first week (5 to 11 December 2022), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly up to +6°C, in most of the Balkans, Cyprus and Turkey, and with up to 90% probability for exceeding upper tercile. Precipitation surplus is forecasted for the western Balkans, Pannonian Plain and northern Carpathian mountains, with up to 90% probability for exceeding upper tercile.

During the second week (12 to 18 December 2022), above average mean weekly air temperature is forecasted for southern Balkans, Cyprus, Turkey, South Caucasus and Middle East, with anomaly up to +6°C, and with around 80% probability for exceeding upper tercile. Precipitation surplus is expected in the western Balkans and Pannonian Plain, with around 70% probability for exceeding upper tercile.

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 12-12-2022

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

ANNEX

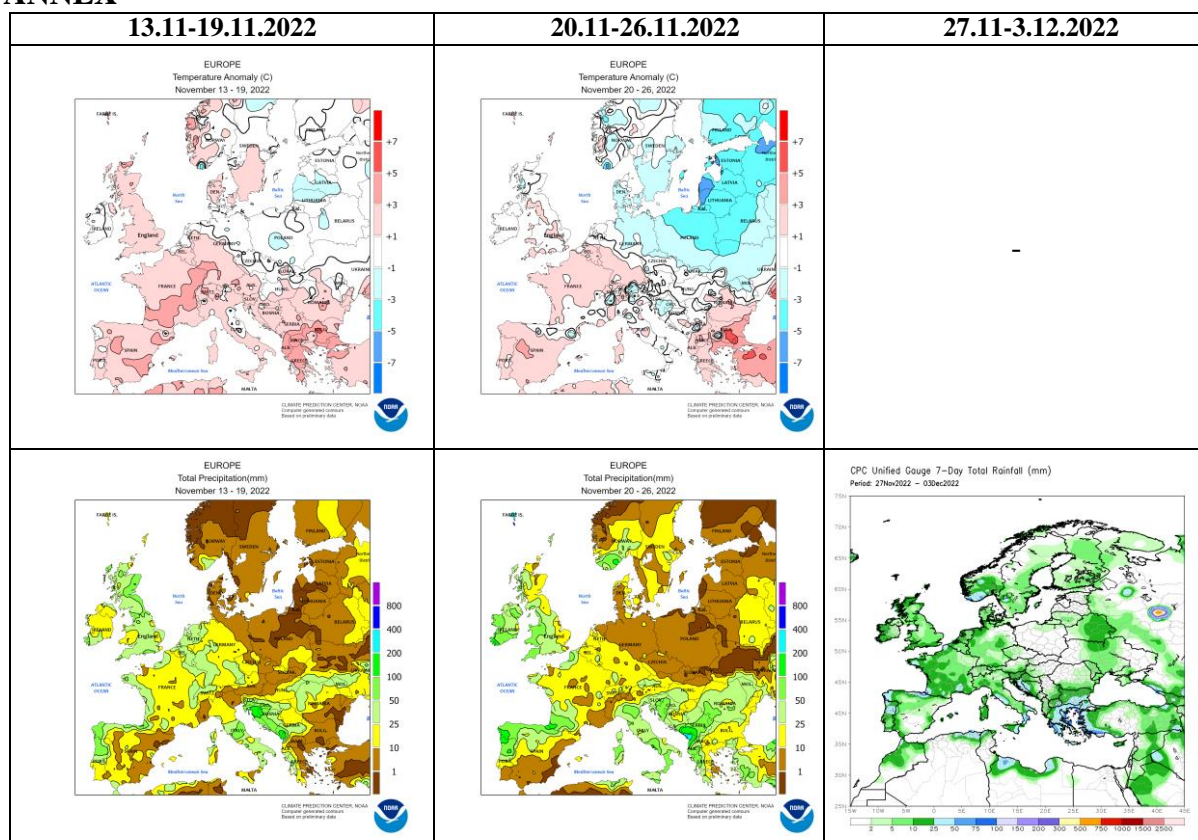


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

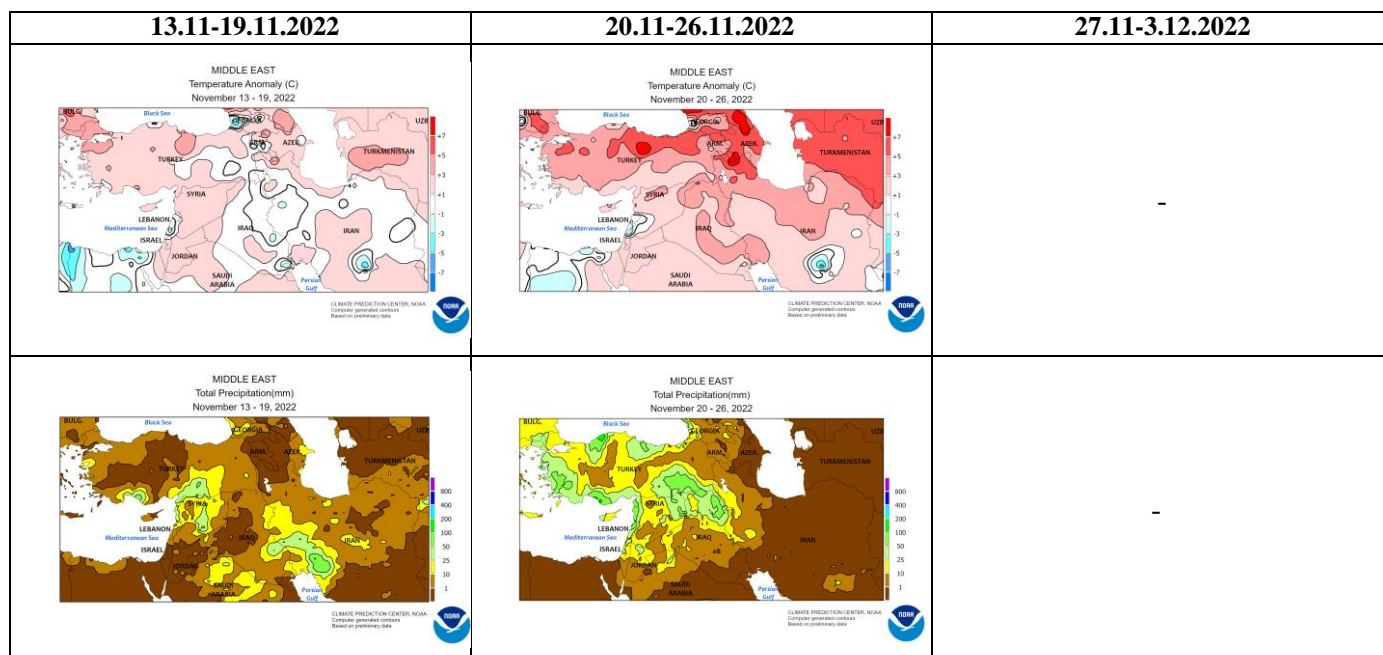


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

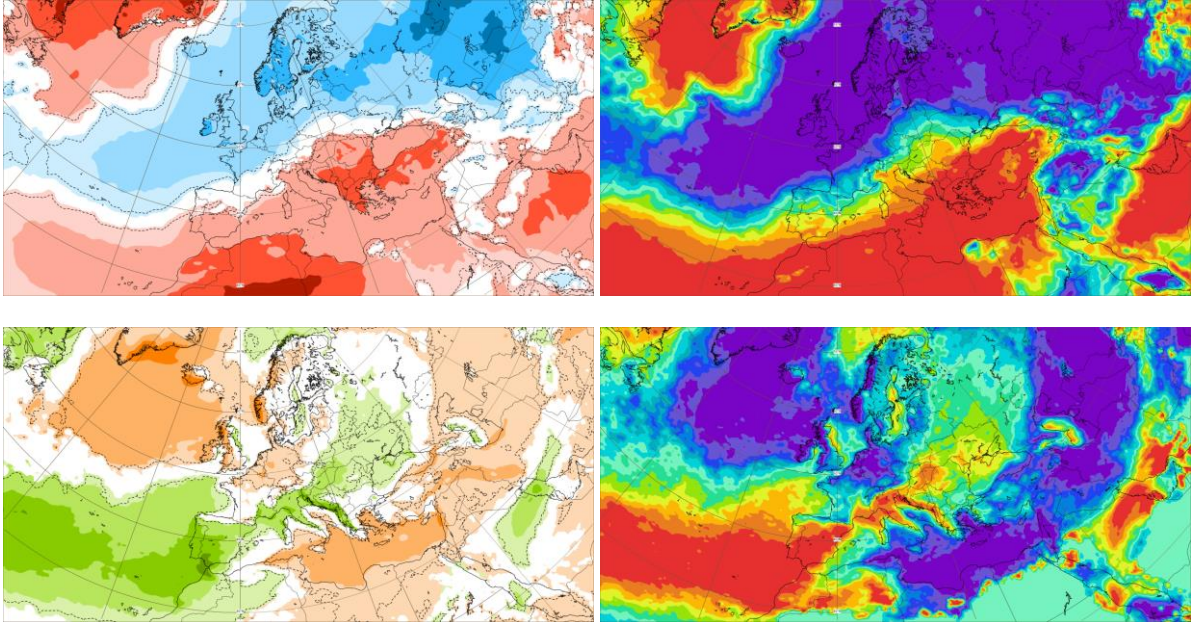


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 5.12–11.12.2022 period

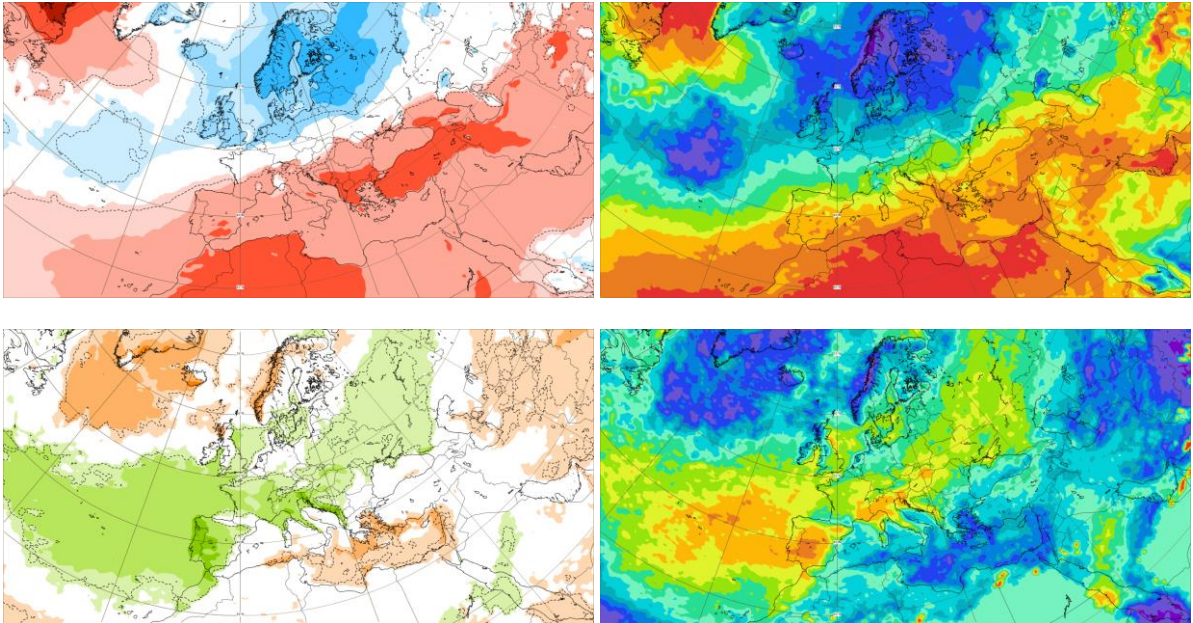


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 12.12–18.12.2022 period

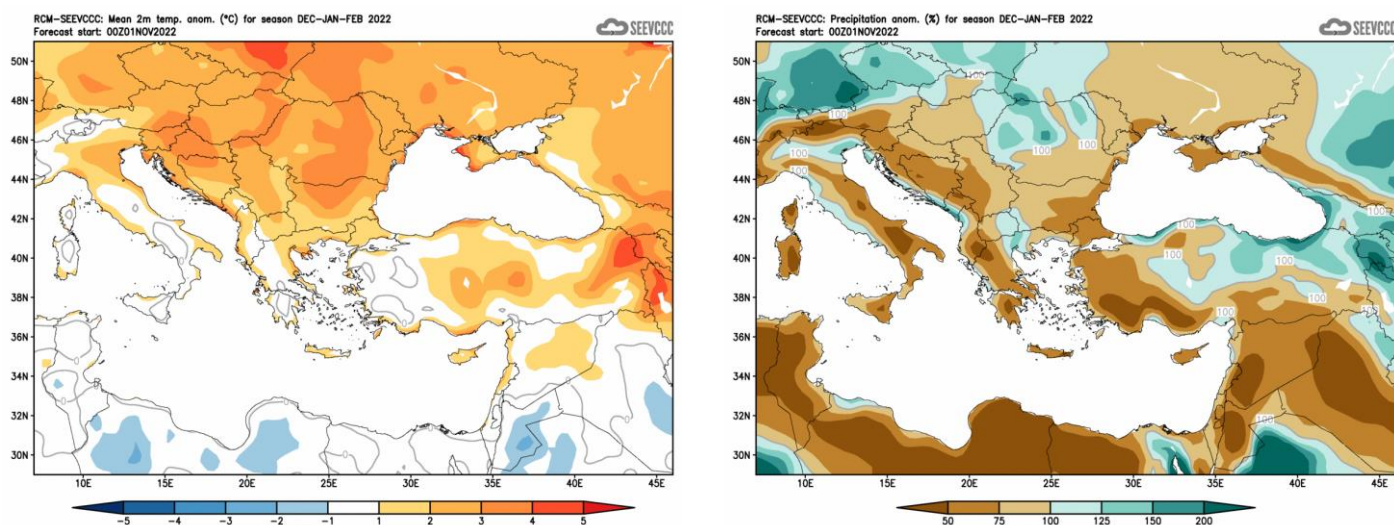


Figure 6. Mean seasonal temperature and precipitation anomaly for the season DJF (seasonal outlook from RCM – SEEVCCC)

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/>)