

Climate Watch (Serial No.: 20221114-44)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing SEEVCCC

the statement:

Issued/ Amended / 14-11-2022 16:00 P.M.

Cancelled

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Valid from – to: 14-11-2022 – 31-1-2023

Next amendment: 21-11-2022

Region of concern: **SEE**

„Within the first week (14 to 20 November 2022), ECMWF monthly forecast predicts below average mean weekly air temperature, with anomaly up to -3°C, in Moldova and most of Ukraine, while in eastern Ukraine predicted anomaly is up to -6°C. Probability for exceeding lower tercile is in a range from 60% in Moldova and western Ukraine up to 90% in eastern Ukraine. Precipitation surplus is forecasted for most of Georgia, northern Azerbaijan and in the area of the Adriatic and Ionian Sea, with up to 70% probability for exceeding upper tercile, in Azerbaijan even up to 90%. Precipitation deficit is predicted for central Turkey and northern Ukraine with probability for exceeding lower tercile around 60% in Turkey and around 70% in Ukraine.“

Monitoring

During the period from 6 to 12 November 2022, weekly precipitation sums were up to 50 mm in part of the southern and southwestern Balkans. In rest of the region precipitation totals were up to 25 mm.

Outlook

Within the first week (14 to 20 November 2022), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly up to +3°C, in the southwestern Balkans. Probability for exceeding upper tercile is around 70%. Below average mean weekly air temperature is expected with anomaly up to -3°C in Moldova and most of Ukraine, while in eastern Ukraine predicted anomaly is up to -6°C. Probability for exceeding lower tercile is in a range from 60% in Moldova and western Ukraine up to 90% in eastern Ukraine. Precipitation surplus is forecasted for most of Georgia, northern Azerbaijan and in the area of the Adriatic and Ionian Sea, with up to 70% probability for exceeding upper tercile, in Azerbaijan even up to 90%. Precipitation deficit is predicted for central Turkey and northern Ukraine with probability for exceeding lower tercile around 60% in Turkey and around 70% in Ukraine.

During the second week (21 do 27 November 2022), below average mean weekly air temperature is forecasted for eastern Ukraine, with anomaly up to -3°C. Probability for exceeding lower tercile is around 60%. Precipitation surplus is expected in eastern Azerbaijan, western part of the Aegean Sea and some parts of the eastern Mediterranean, with up to 60% probability for exceeding upper tercile. Precipitation deficit is forecasted for the southwestern Balkans with low probability.

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

Update

An updated statement will be issued on 21-11-2022

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

ANNEX

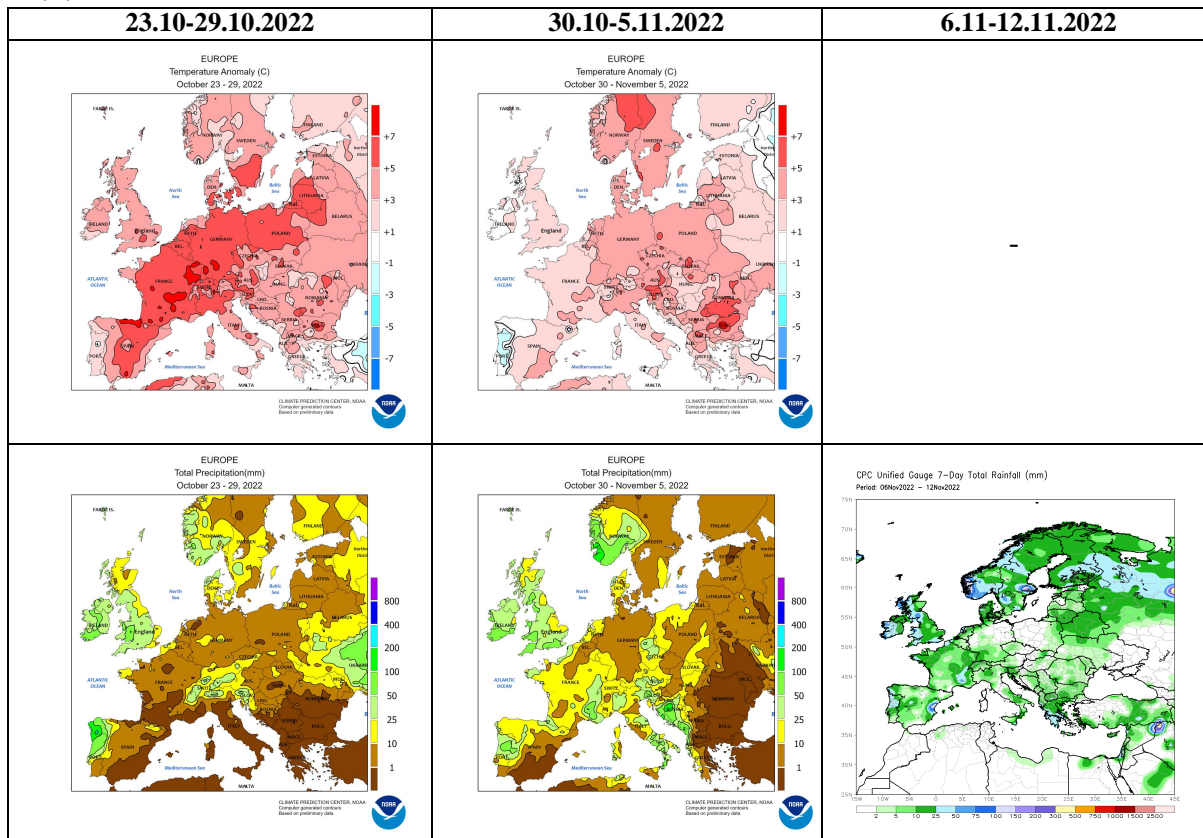


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

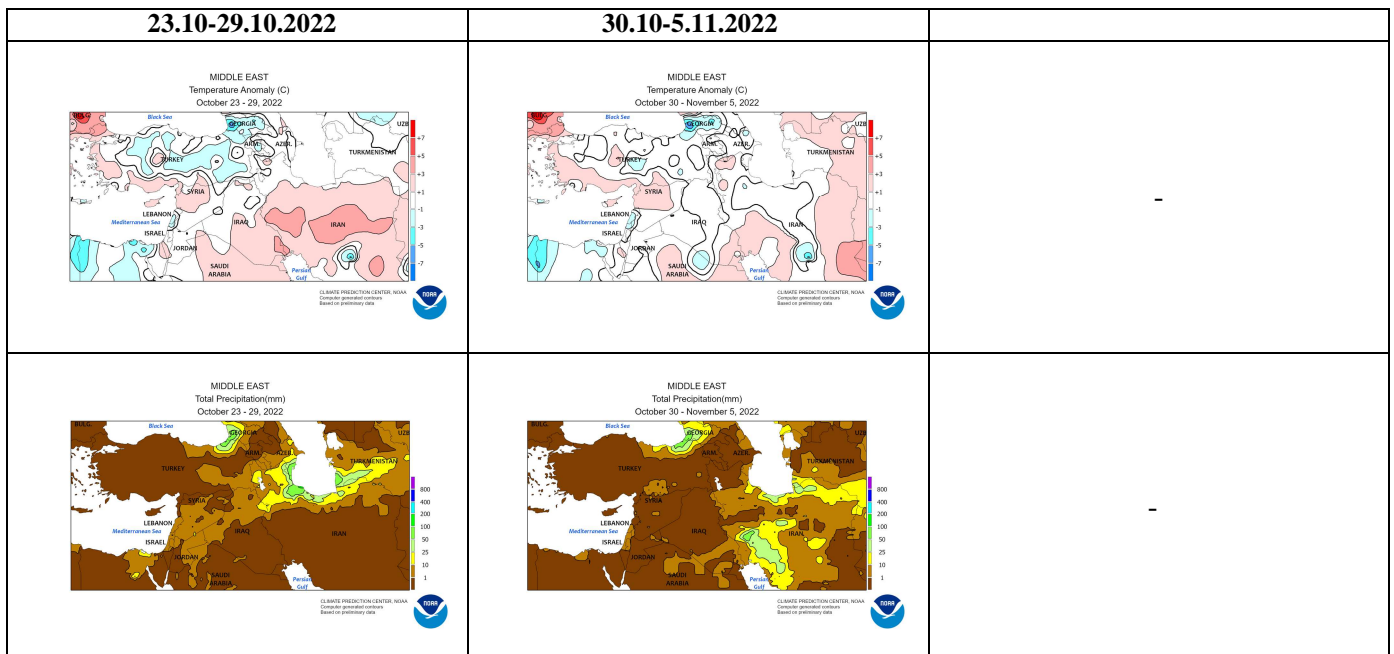


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

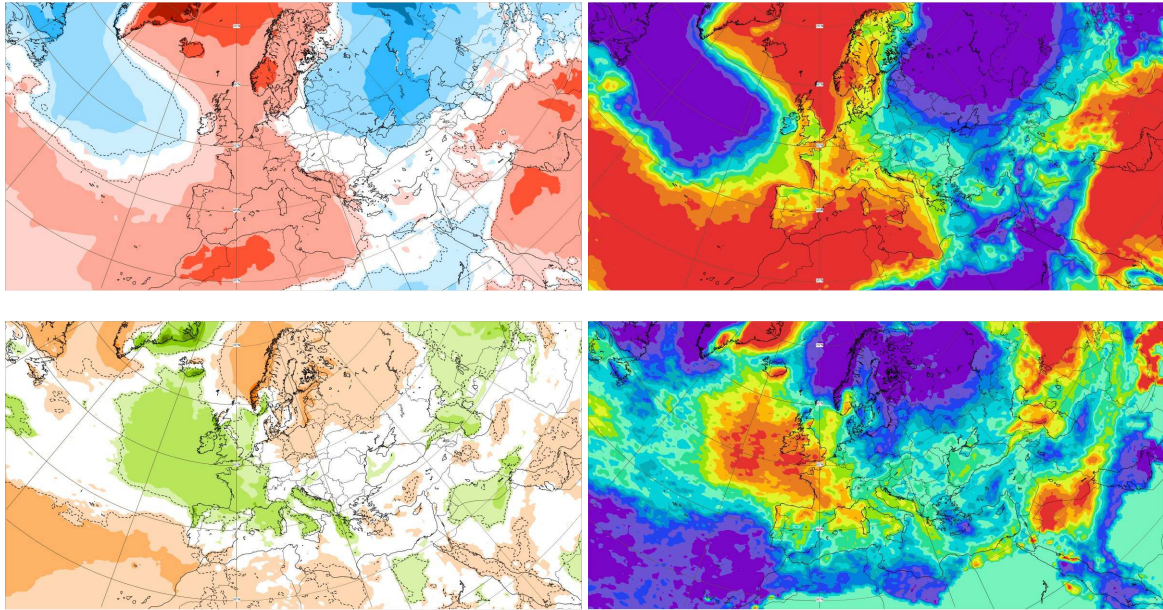


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 7.11–13.11.2022 period

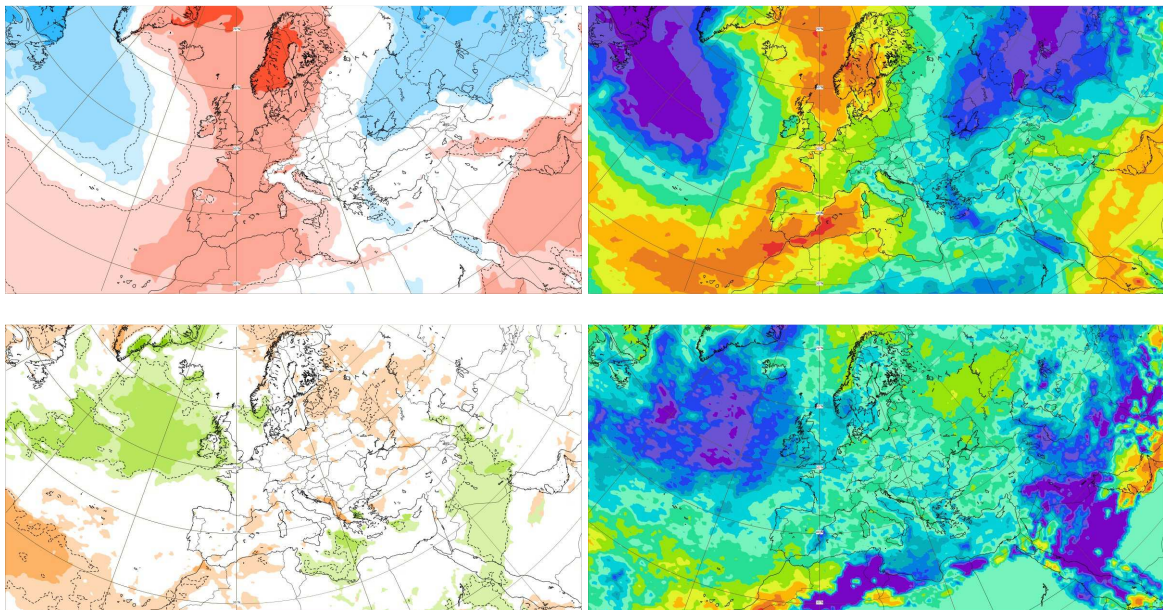


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 14.11-20.11.2022 period

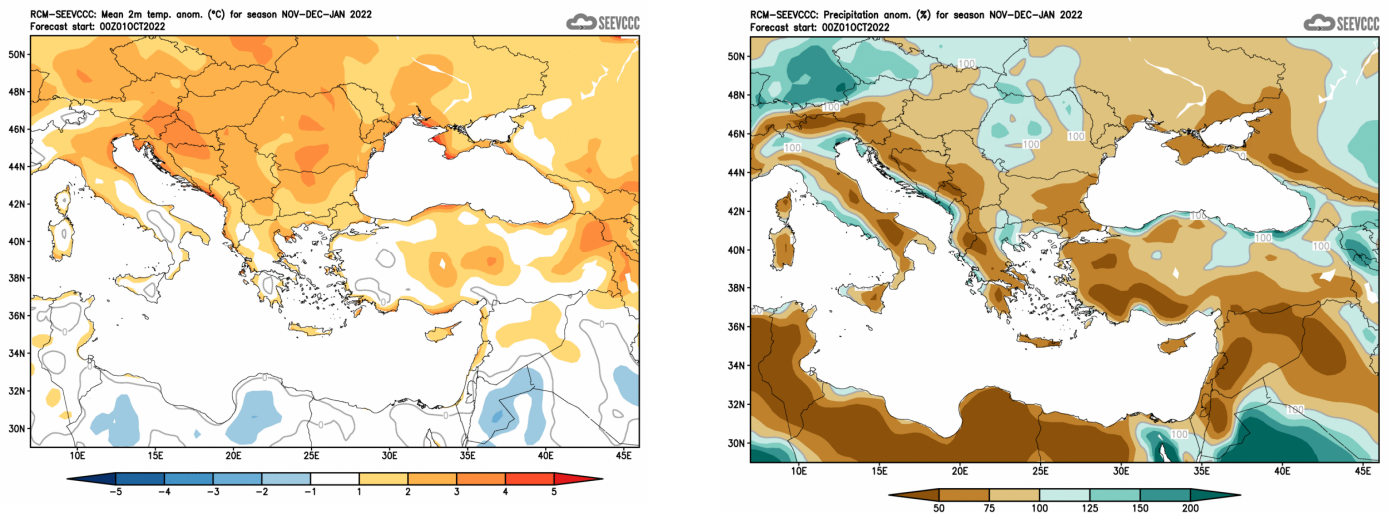


Figure 6. Mean seasonal temperature and precipitation anomaly for the season NDJ (seasonal outlook from RCM – SEEVCCC)

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/>)