

Topic: **temperature and precipitation**

Organization issuing SEEVCCC

the statement:

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Cancelled

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Valid from – to: 3-10-2022 – 31-12-2022 Next amendment: 10-10-2022

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

„Within the first week (19 to 25 September 2022), ECMWF monthly forecast predicts above average mean weekly air temperature with anomaly in a range from +3°C in northwesternmost Balkans, parts of south and eastern Balkans, up to +6°C in eastern Turkey, and most of South Caucasus. Probability for exceeding upper tercile is around 60% in the south Balkans and more than 90% in Turkey and South Caucasus. Precipitation surplus is expected in north Turkey, as well as northeastern Ukraine, with up to 70% probability for exceeding upper tercile. “

Monitoring

During the period from 25 September to 2 October 2022, weekly precipitation sums were up to 150 mm in northwesternmost Balkans, as well as some parts on the southern Balkan. In some locations in the northeastern, south and central Balkans, as well as northernmost Turkey precipitation sums were up to 75mm. In rest of the region precipitation totals were up to 25 mm.

Outlook

Within the first week (3 to 9 October 2022), ECMWF monthly forecast predicts above average mean weekly air temperature with anomaly in a range from +3°C in northwesternmost Balkans, parts of south and eastern Balkans, up to +6°C in eastern Turkey, and most of South Caucasus. Probability for exceeding upper tercile is around 60% in the south Balkans and more than 90% in Turkey and South Caucasus. Precipitation surplus is expected in north Turkey, as well as northeastern Ukraine, with up to 70% probability for exceeding upper tercile. Precipitation deficit is predicted for most of the SEE region with up to 90% probability for exceeding lower tercile in the area of the Aegean Sea and northeastern Turkey.

During the second week (10 to 16 October 2022), above average mean weekly air temperature is forecasted in eastern Turkey and South Caucasus, with anomaly up to +3°C. Probability for exceeding upper tercile is up to 80%. Precipitation deficit is forecasted for most of the region, with up to 80% probability for exceeding lower tercile in some locations in Turkey.

During the following three months (October, November and December), 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 south Adriatic Sea coast, some parts of the Carpathians and the South Caucasus region and southern coast of Black Sea. Precipitation deficit is predicted for southern parts of the SEE region as well as western Balkans.

Update

An updated statement will be issued on 10-10-2022

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

ANNEX

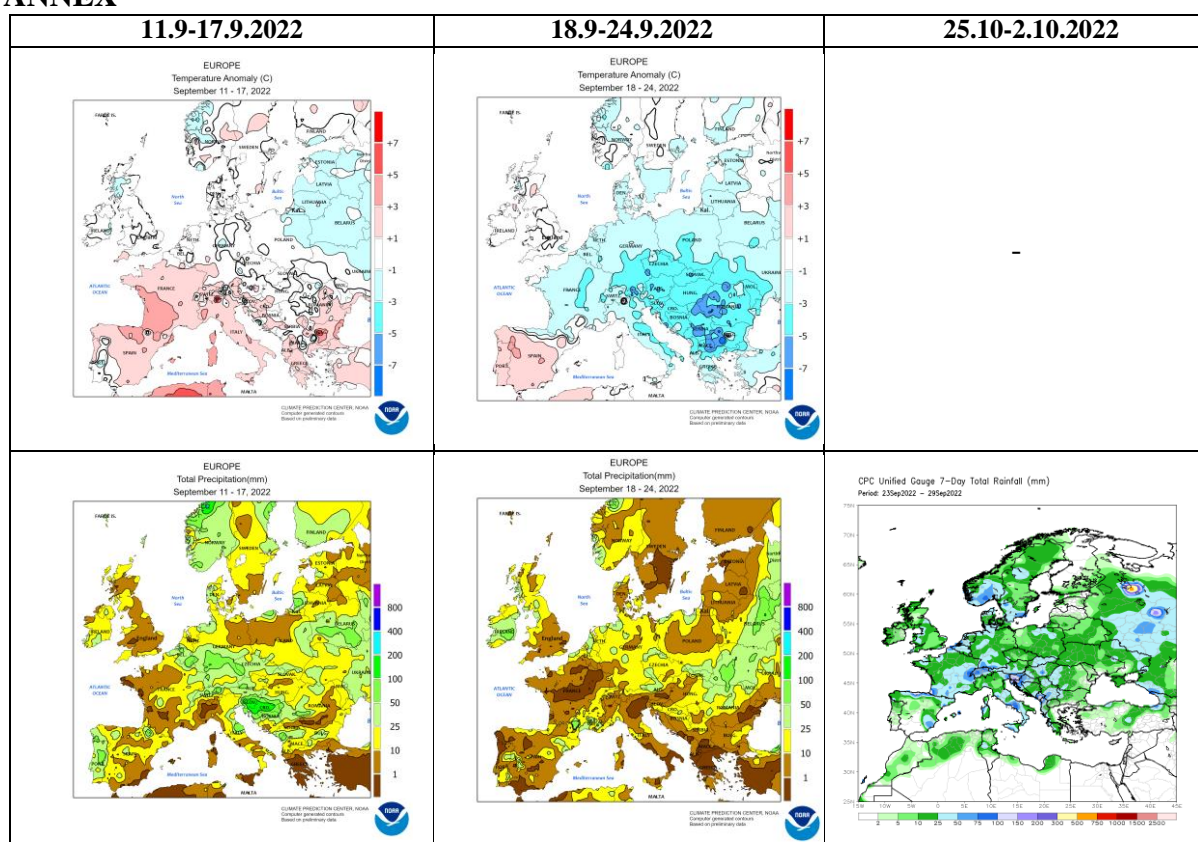


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

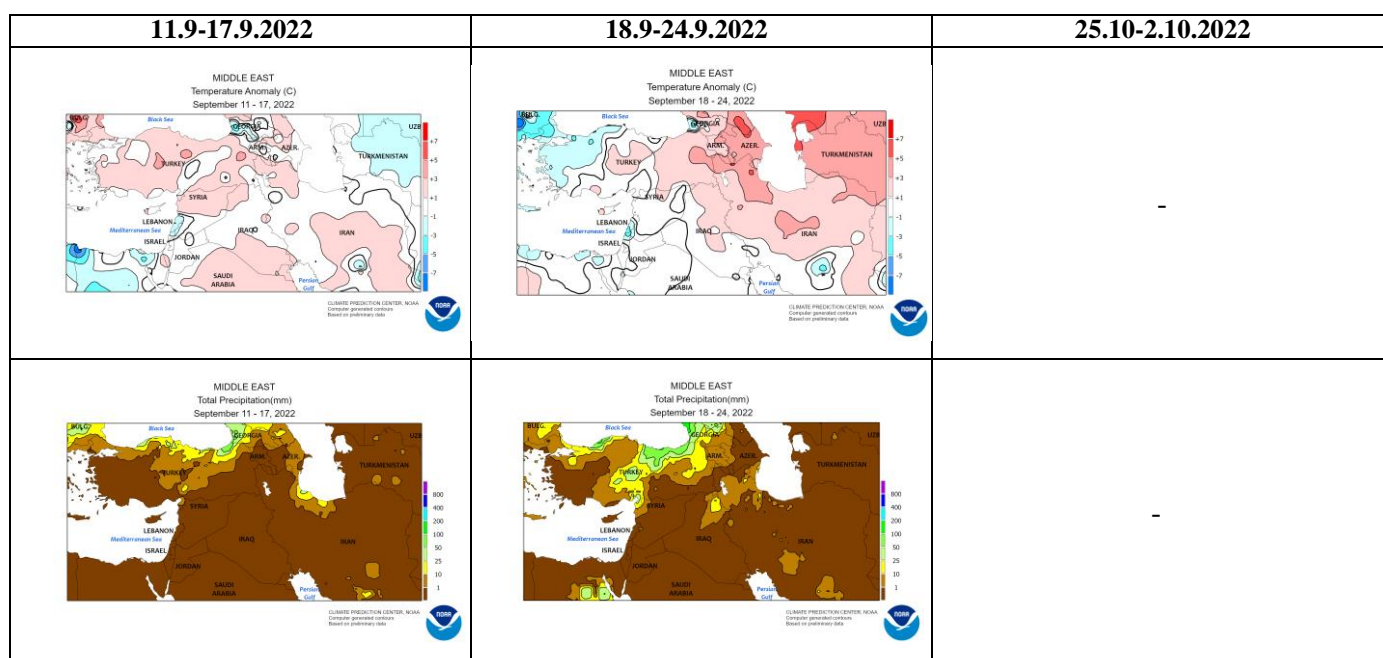


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

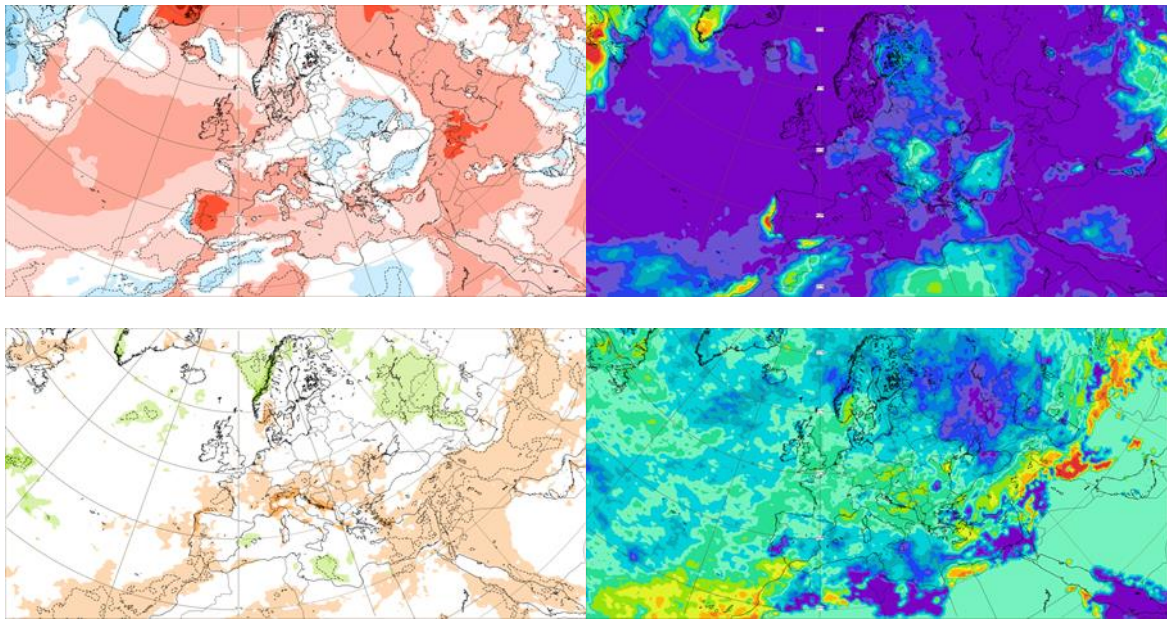


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 3.10–9.10.2022 period

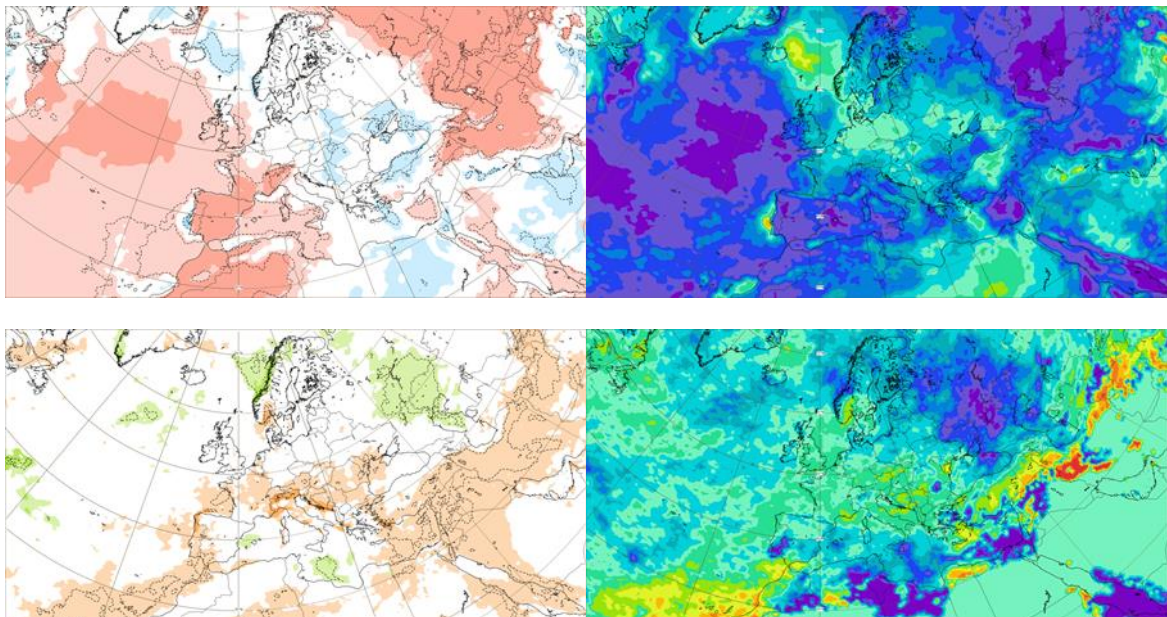


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 10–16.10.2022 period

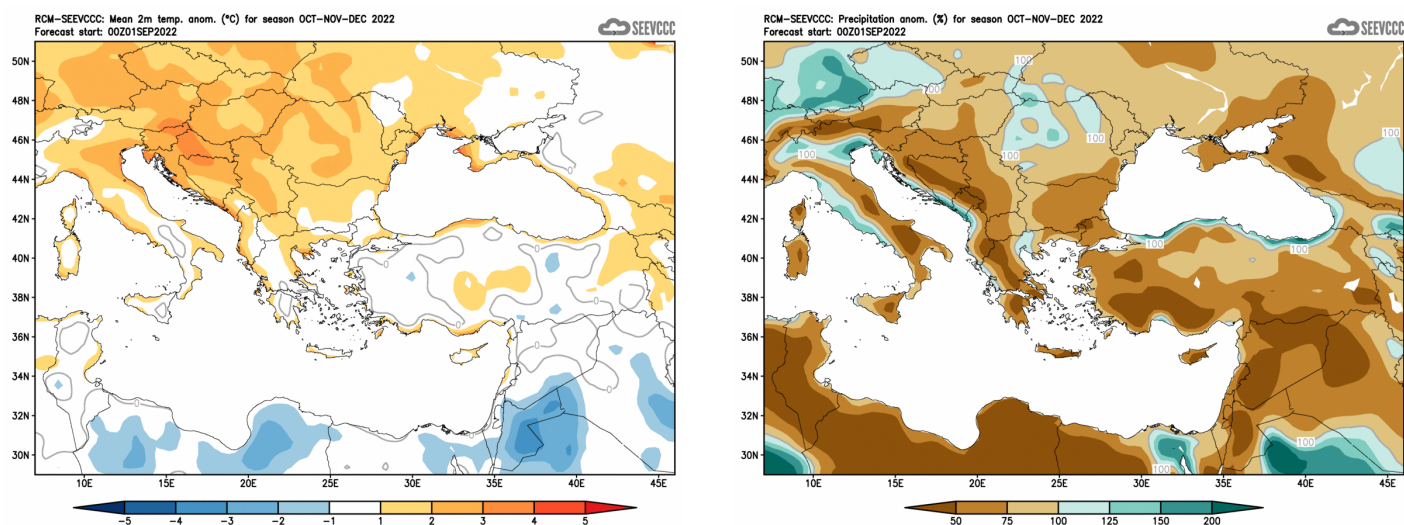


Figure 6. Mean seasonal temperature and precipitation anomaly for the season OND (seasonal outlook from RCM – SEEVCCC)

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/>)