

Climate Watch (Serial No.: 20220815–32)

Initial/Updated/Final

Topic: **temperature**

Organization issuing
the statement: SEEVCCC

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Cancelled

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Valid from – to: 15-8-2022 – 31-10-2022 Next amendment: 22-8-2022

Region of concern: **South Caucasus, Ukraine, Turkey**

„ Within the first week (15 to 21 August 2022), ECMWF monthly forecast predicts above average mean weekly air temperature in eastern Ukraine, eastern Turkey and most of South Caucasus, with anomaly up to +6°C. Probability for exceeding upper tercile is more than 90%. “

Monitoring

During the period from 7 to 13 August 2022, weekly precipitation sums reached up to 75 mm in northwestern Ukraine, while in parts of the western and central Balkans as well as Carpathian region and part of northwestern Turkey they were up to 50 mm. In rest of the SEE region, precipitation sums were below 25 mm.

Outlook

Within the first week (15 to 21 August 2022), ECMWF monthly forecast predicts above average mean weekly air temperature with anomaly up to +3°C in most parts of the SEE region, while in eastern Ukraine, eastern Turkey and most of South Caucasus expected temperature anomaly is up to +6°C. Probability for exceeding upper tercile is around 80% in most parts of the SEE region, and more than 90% in most of Ukraine, eastern Greece, eastern Turkey and south Caucasus. Precipitation surplus is forecasted for Moldova, most of Ukraine, eastern Romania, eastern Bulgaria and northernmost Turkey with around 70% probability for exceeding upper tercile. Precipitation deficit is expected in the western and southern Balkans, eastern Turkey and South Caucasus, with probability for exceeding lower tercile up to 90% in South Caucasus and Turkey, in the Balkans with low probability.

During the second week (22 to 28 August 2022), above average temperature, with anomaly up to +3°C, is expected. Probability for exceeding upper tercile is around 70%, in South Caucasus and eastern Ukraine around 80%. Precipitation deficit is predicted for South Caucasus with around 80% probability for exceeding lower tercile. In rest of the SEE region, average amounts of precipitation are forecast.

During the following three months (August, September and October), seasonal forecast predicts above normal seasonal air temperature in the northern and eastern Balkans. Below normal seasonal air temperature is expected in part of central and southeastern Turkey. Precipitation surplus is expected in the Carpathians and the South Caucasus region. Precipitation deficit is predicted for rest of the SEE region.

Update

An updated statement will be issued on 22-8-2022

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

ANNEX

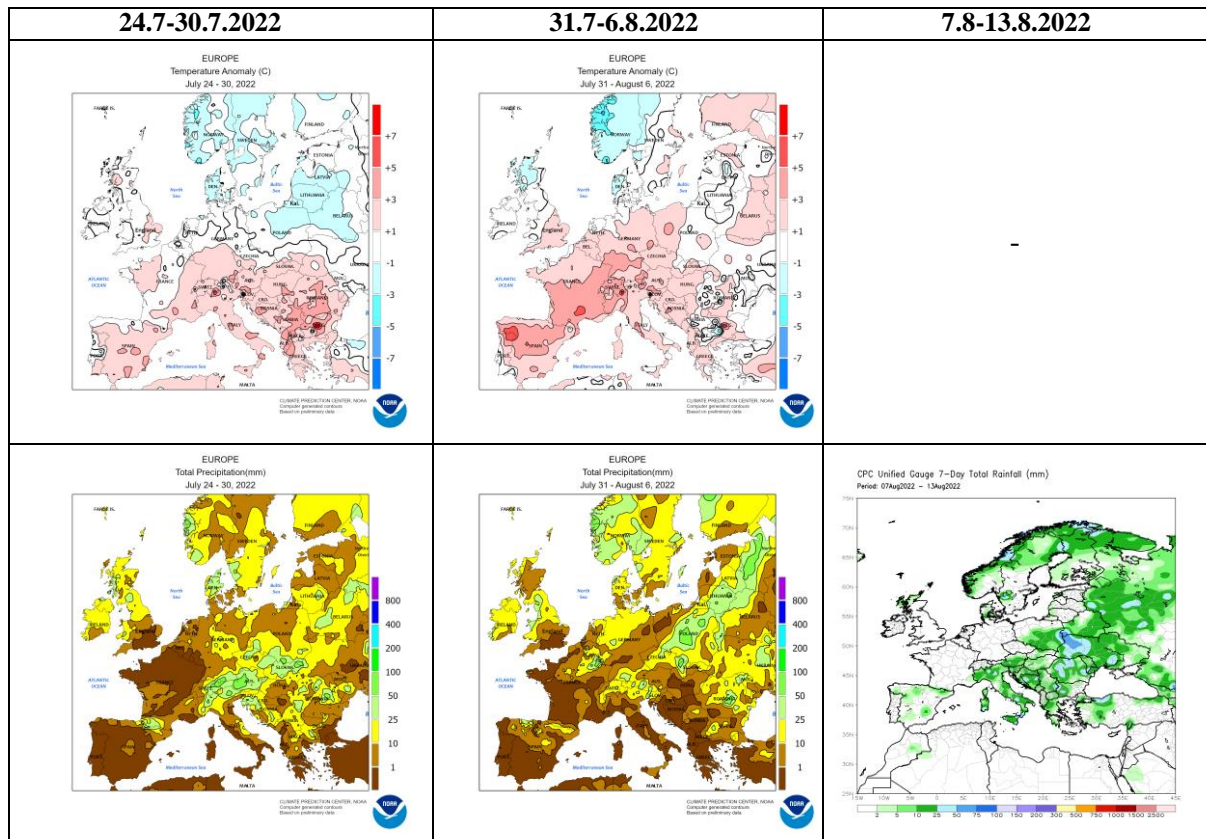


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

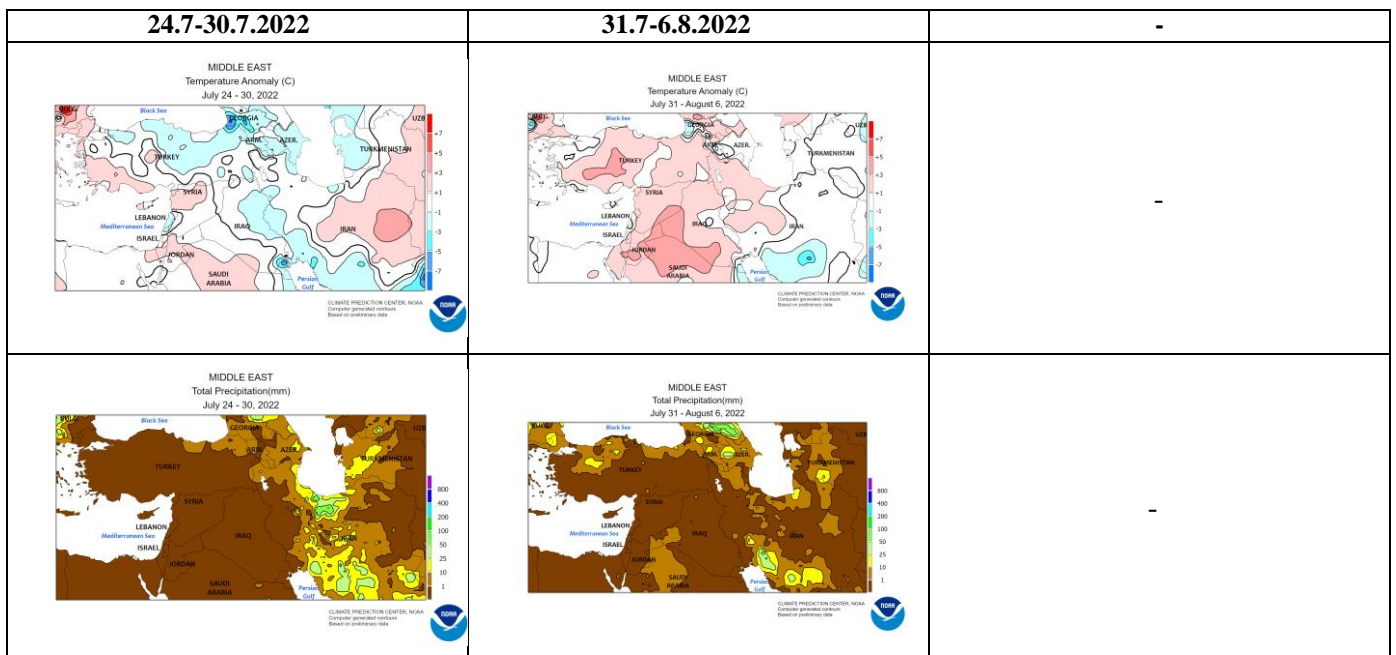


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

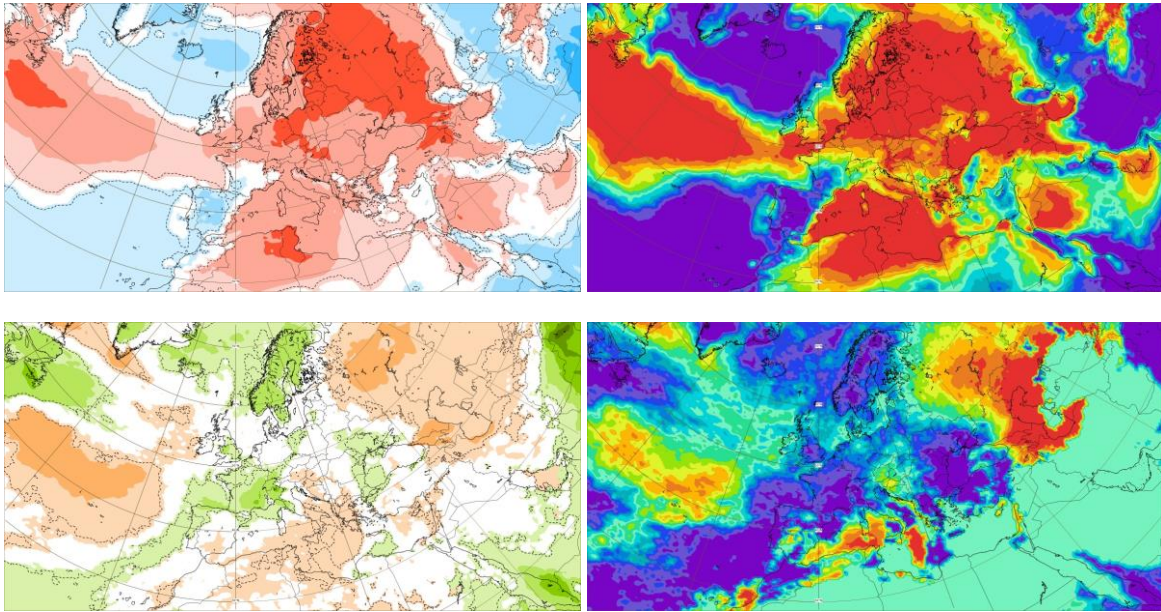


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 15.8–21.8.2022 period

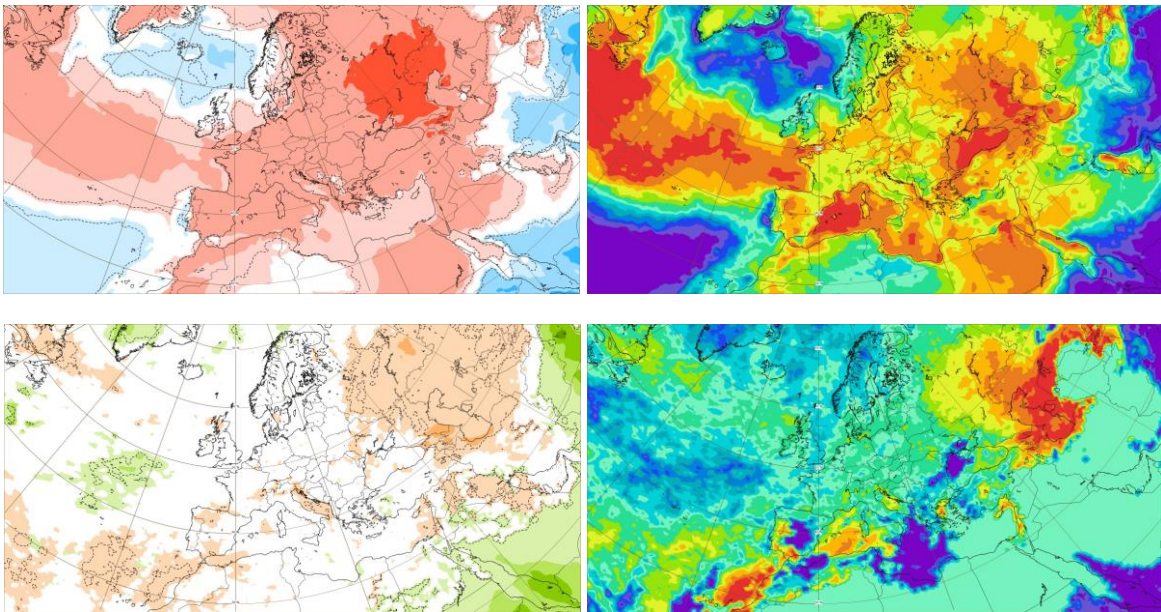


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 22.8–28.8.2022 period

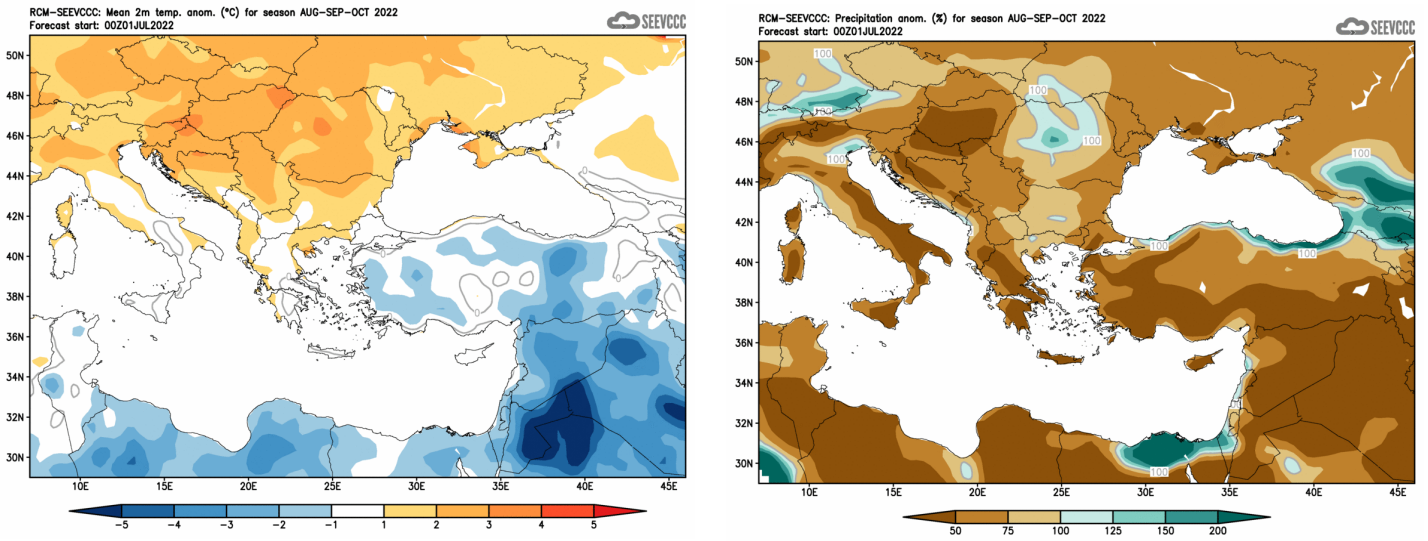


Figure 6. Mean seasonal temperature and precipitation anomaly for the season ASO (seasonal outlook from RCM – SEEVCCC)

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/>)