Climate Watch (Serial No.: 20230904–35)

Initial/Updated/Final

Topic: **temperature** and **precipitation**
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 4-9-2023 16:00 P.M.

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Valid from – to: 4-9-2023 – 30-11-2023 Next amendment: 11-9-2023

Region of concern: **Turkey, western and southern Balkans**

„Within the first week (28 August to 3 September 2023), ECMWF monthly forecast predicts above average mean weekly air temperature along the Adriatic Sea coast and Aegean Sea, with anomaly up to +3°C. Probability for exceeding upper decile (top ten of the highest temperature) is up to 90%. Precipitation surplus is expected in the southern Balkans and southwestern Turkey, with probability up to 90% for exceeding upper decile (top ten of the highest precipitation).“

Monitoring

During the period from 27 August to 2 September 2023, weekly precipitation sums were below 25 mm in most of the region, except in the Carpathian Mountains where they were up to 100 mm and in the western Balkans with more than 100 mm.

Outlook

Within the first week (4 to 10 September 2023), ECMWF monthly forecast predicts above average mean weekly air temperature along the Adriatic Sea coast and Aegean Sea, with anomaly up to +3°C. Probability for exceeding upper decile (top ten of the highest temperature) is up to 90%. Precipitation surplus is expected in the southern Balkans and southwestern Turkey, with probability up to 90% for exceeding upper decile (top ten of the highest precipitation).

During the second week (11 to 17 September 2023), above normal mean weekly air temperature, with anomaly up to +3°C, is forecasted for the western Balkans, Pannonian Plain and Israel. Probability for exceeding upper tercile (top third of the highest temperature) is around 80% in western Balkans and Pannonian Plain, as well as up to 90% in Israel. Precipitation surplus is predicted for Cyprus, some parts of southern and eastern Turkey, Georgia and Armenia, with probability up to 80% for exceeding upper tercile (top third of the highest precipitation).

During the following three months (September, October and November), seasonal forecast predicts above average seasonal air temperature in the western and northern Balkans and part of central and western Romania. Below average seasonal air temperature is expected in Jordan. Precipitation surplus is expected in the Carpathians, along Adriatic coast, northeastern Turkey, South Caucasus and most of the Middle East. Precipitation deficit is predicted for southeastern Moldova, northern and southeastern Ukraine, southwestern Turkey and most of the Balkans.

Update

An updated statement will be issued on 11-9-2023

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

ANNEX

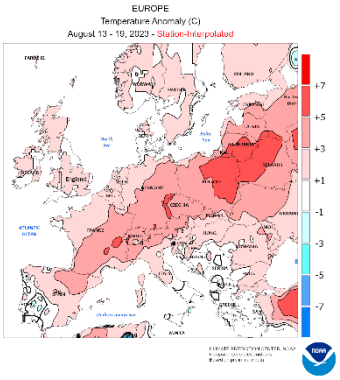
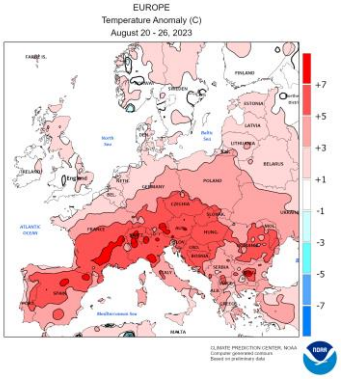
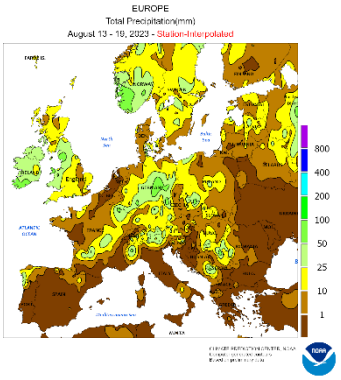
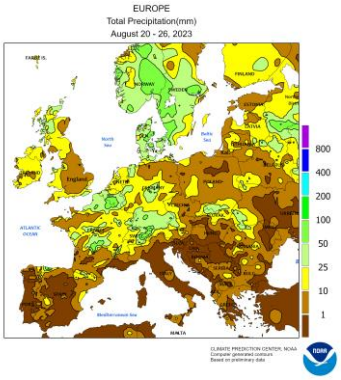
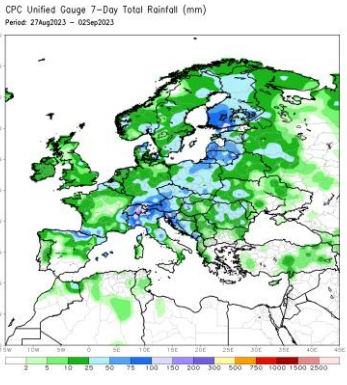
13.8-19.8.2023	20.8-26.8.2023	27.8-2.9.2023
		-
		

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

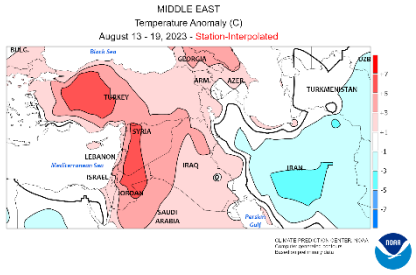
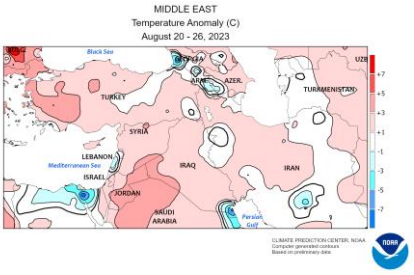
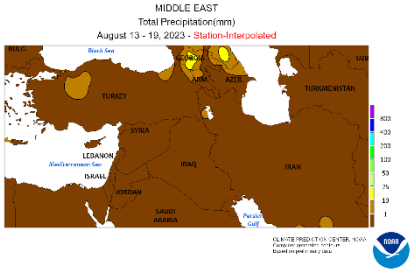
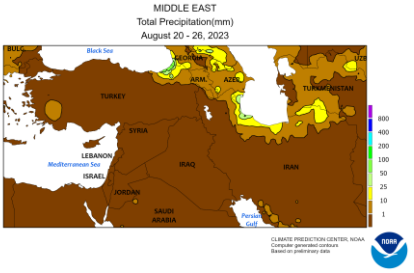
13.8-19.8.2023	20.8-26.8.2023	
		-
		-

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

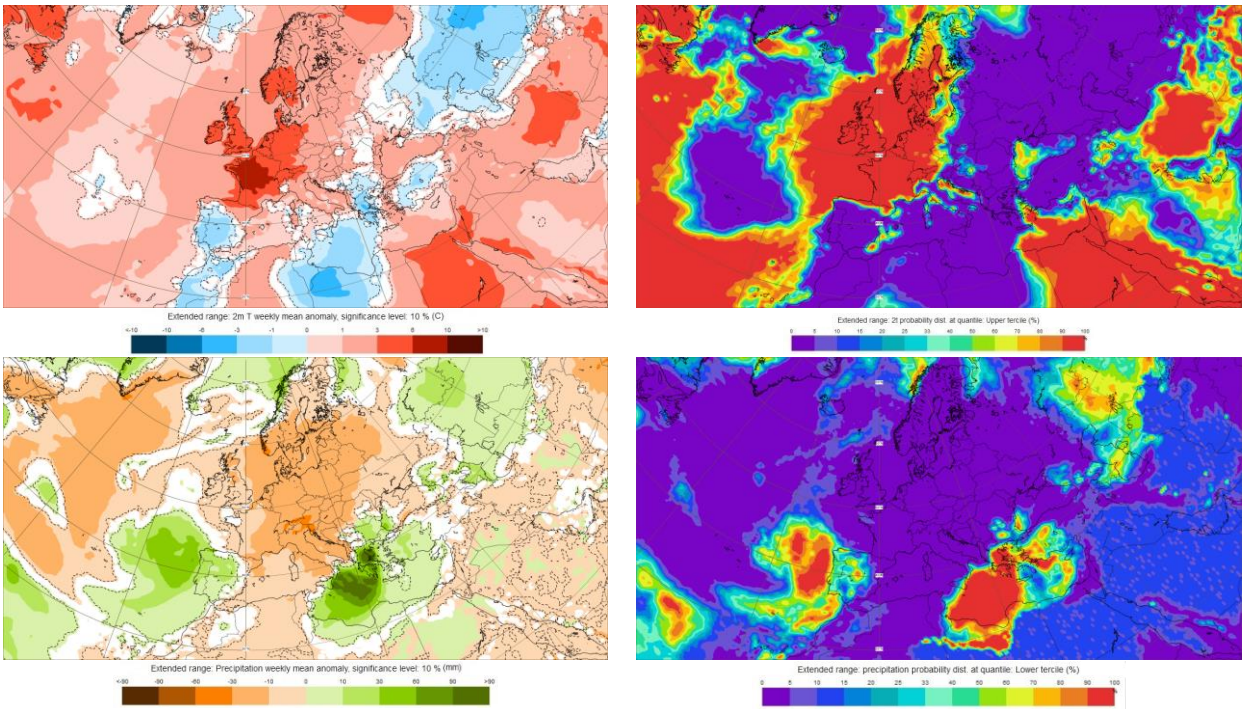


Figure 3. Outlook for the temperature anomalies and probability for the upper decile (upper row), along with the precipitation surplus/deficit and probability for the upper decile (lower row) for the 4.9–10.9.2023 period (source: European Centre for Medium-Range Weather Forecasts)

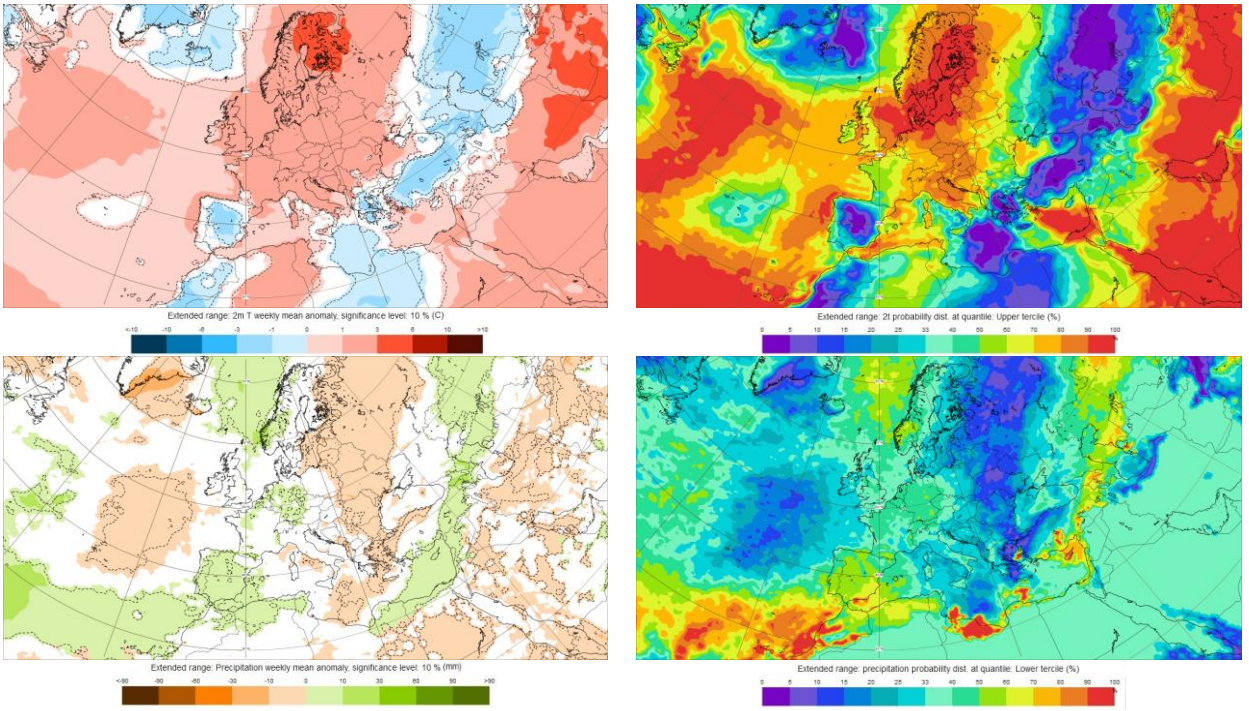


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 11.9–17.9.2023 period (source: European Centre for Medium-Range Weather Forecasts)

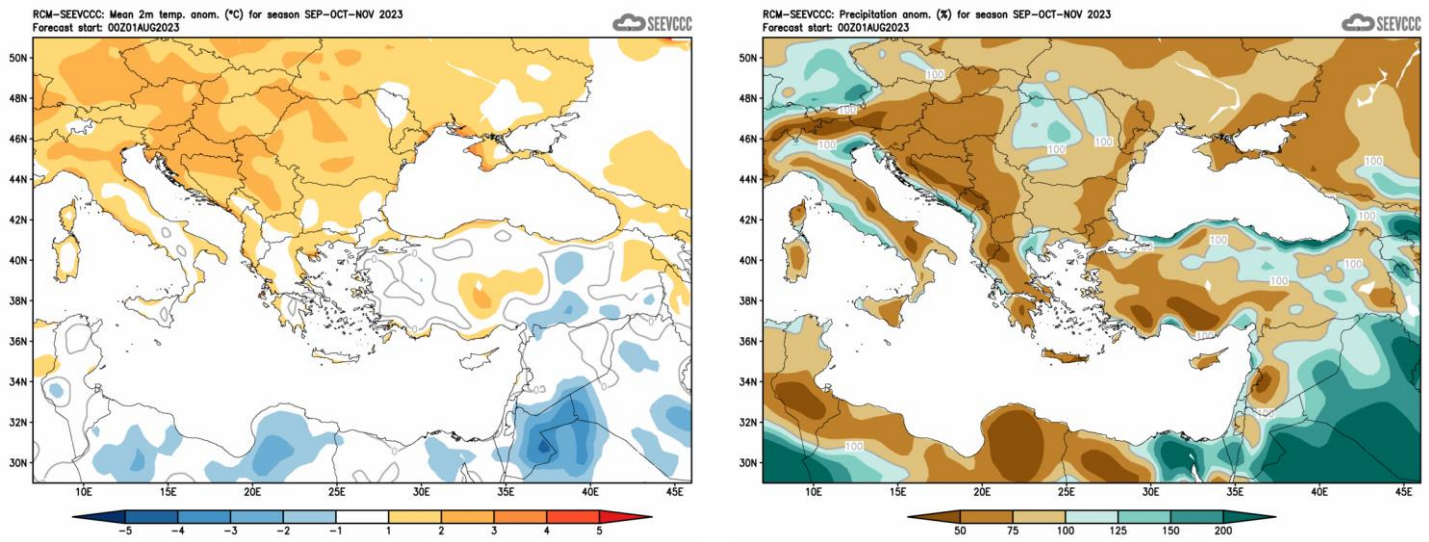


Figure 5. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook from RCM – SEEVCCC)

Sources

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