Climate Watch (Serial No.: 20230619–24)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 19-6-2023 16:00 P.M.

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Valid from – to: 19-6-2023 – 31-9-2023 Next amendment: 26-6-2023

Region of concern: **Turkey, South Caucasus and western Balkans**

„Within the following two weeks (19 to 25 June 2023), ECMWF monthly forecast predicts precipitation surplus most of Turkey and most of South Caucasus, with probability around 90% for exceeding upper tercile, while in part of the western Balkans precipitation surplus is expected with low probability. “

Monitoring

During the period from 11 to 17 June 2023, weekly precipitation sums were in a range from 75 mm up to 150 mm in central, southwestern and southeastern Serbia, Carpathian region and eastern Bulgaria. Precipitation totals were in a range from 25 mm up to 75 mm in most of the Balkans, western and northwestern Ukraine and parts of northern and central Turkey. In other parts of the region, precipitation totals reached up to 25 mm.

Outlook

Within the first week (19 to 25 June 2023), ECMWF monthly forecast predicts above average mean weekly air temperature with anomaly up to +3°C in the western Balkans, Moldova, most of Romania and western and central Ukraine, with low probability for exceeding upper tercile. Below average weekly air temperature with anomaly up to -3°C is predicted for most of Turkey, south Caucasus and easternmost Ukraine, while temperature anomaly up to -6°C is expected in central Turkey. Probability for exceeding lower tercile is more than 90%. Precipitation surplus most of Turkey and most of South Caucasus, with probability around 90% for exceeding upper tercile, while in part of the western Balkans precipitation surplus is expected with low probability.

During the second week (26 June to 2 July 2023), below normal mean weekly air temperature with anomaly up to –3°C is expected in southern and central Balkans, as well as most of Turkey. Probability for exceeding lower tercile is in a range from around 70% in the Balkans up to 90% in Turkey. In rest of the region average temperature is expected. Average precipitation sums are predicted for the entire region.

During the following three months (July, August and September), seasonal forecast predicts above average seasonal air temperature in Romania, Moldova, Ukraine and most of the Balkans. Below average seasonal air temperature is expected in some parts of eastern and southeastern Turkey. Precipitation surplus is expected in the Carpathians, northeastern Turkey, South Caucasus and most of the Middle East. Precipitation deficit is predicted for Moldova, most of Ukraine, most of Turkey and most of the Balkans.

Update

An updated statement will be issued on 26-6-2023

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

ANNEX

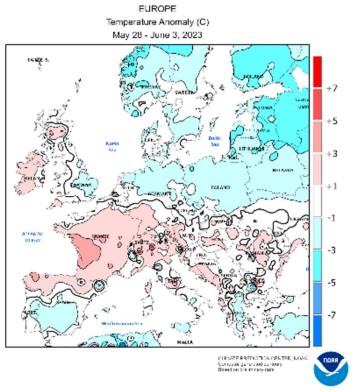
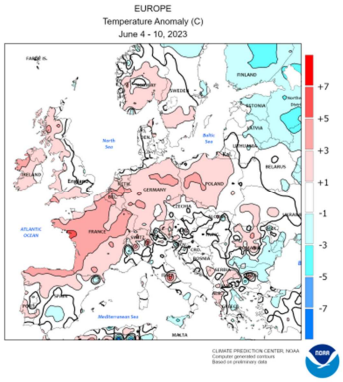
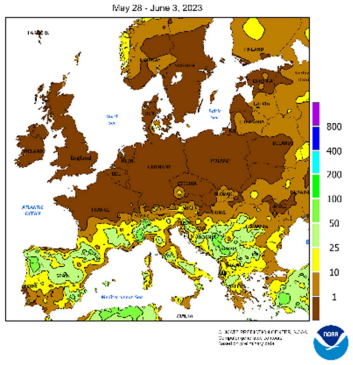
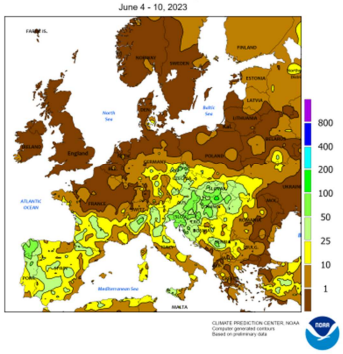
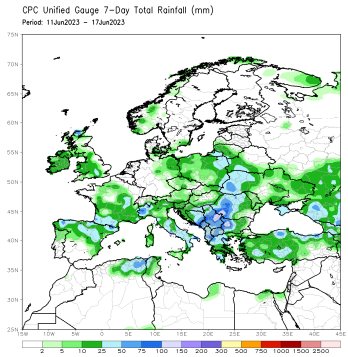
28.5-3.6.2023	4.6-10.6.2023	11.6-17.6.2023
		-
		

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

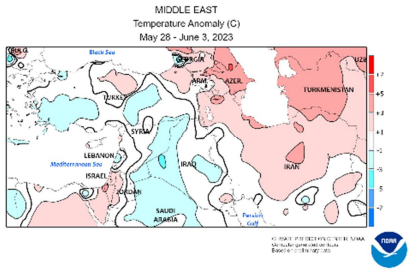
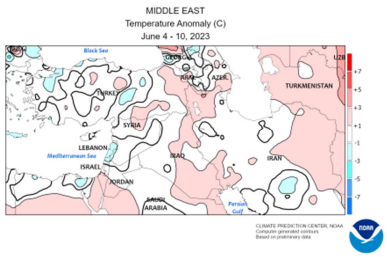
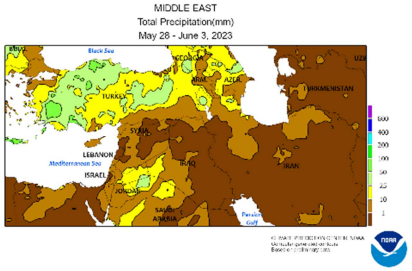
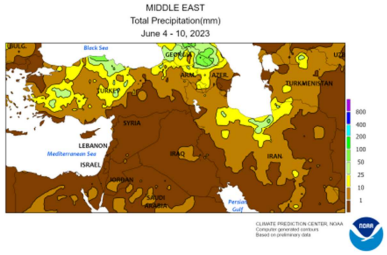
28.5-3.6.2023	4.6-10.6.2023	
		-
		-

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

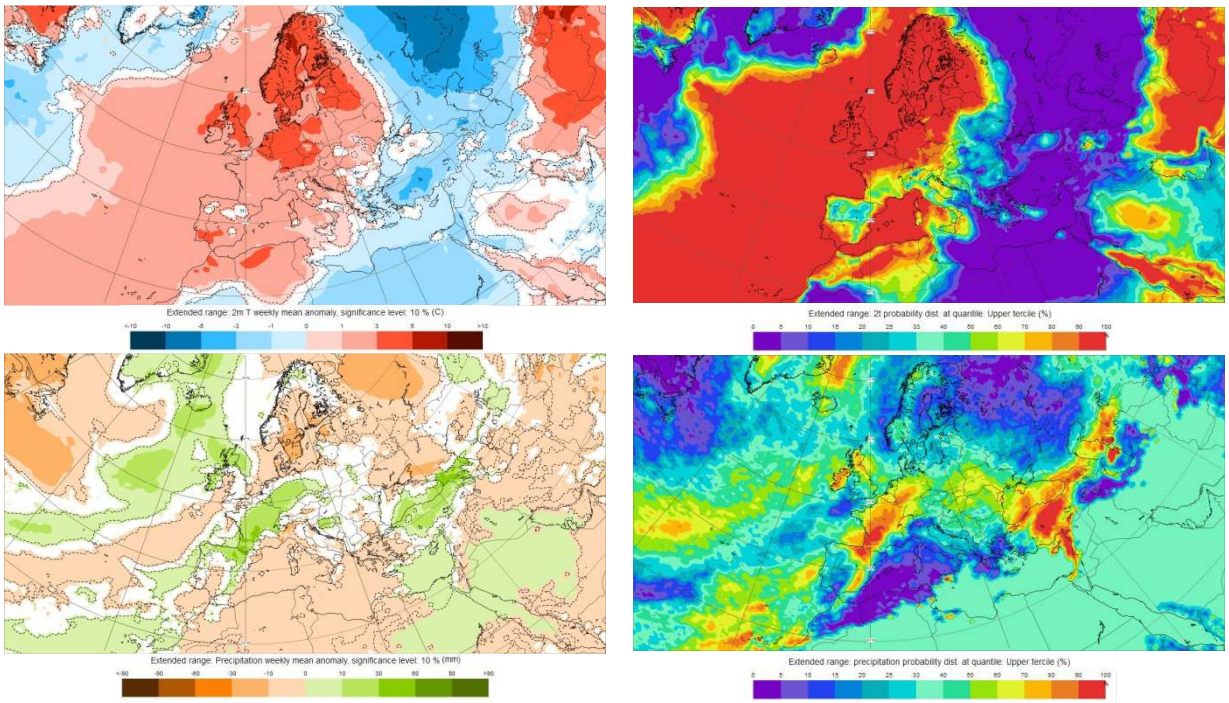


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 12.6–18.6.2023 period (source: European Centre for Medium-Range Weather Forecasts)

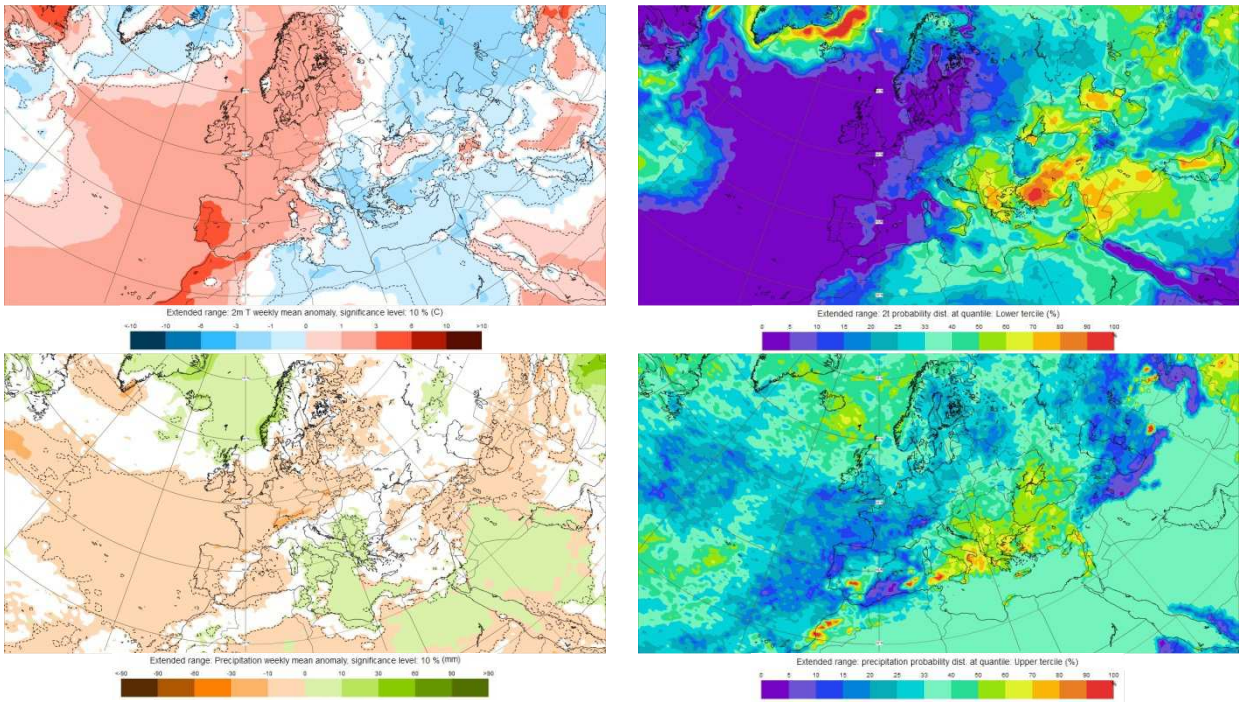


Figure 4. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 19.6–26.6.2023 period (source: European Centre for Medium-Range Weather Forecasts)

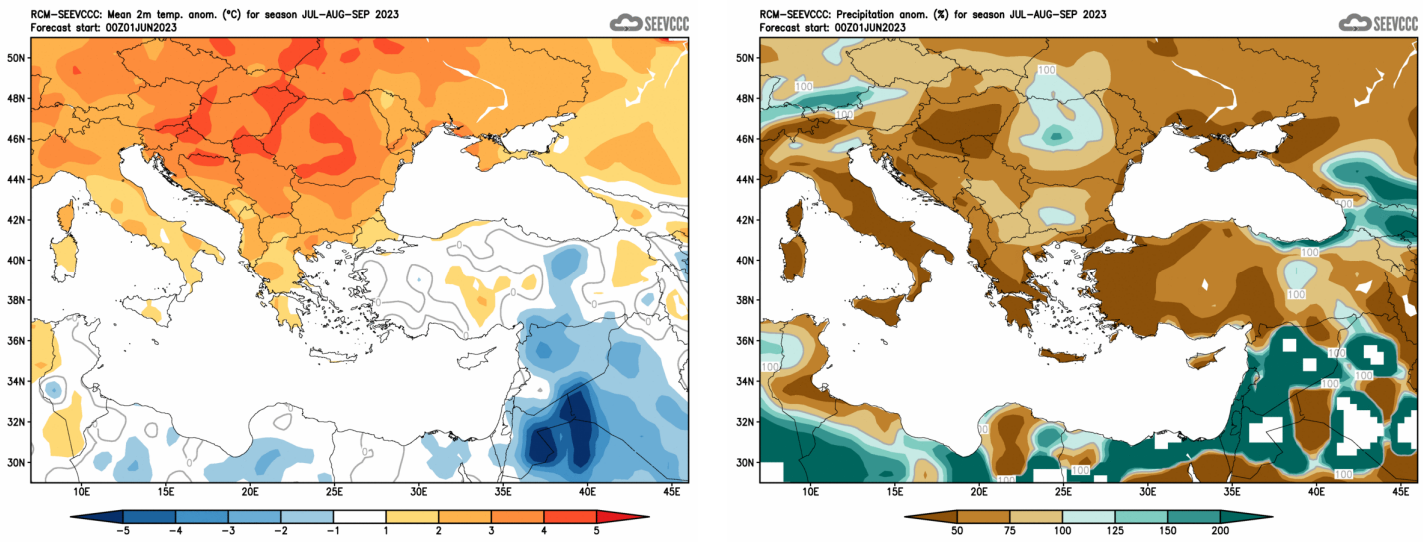


Figure 5. Mean seasonal temperature and precipitation anomaly for the season JAS (seasonal outlook from RCM – SEEVCCC)

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/)