Climate Watch (Serial No.: 20230703–26)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 3-7-2023 16:00 P.M.

Contact: E-mail: cws-seevccc@hidmet.gov.rs
Phone: +381112066925
Fax: +381112066929

Valid from – to: 3-7-2023 – 30-9-2023 Next amendment: 10-7-2023

Region of concern: **Most of the region**

„Within the following week (3 to 9 July 2023), ECMWF monthly forecast predicts above average mean weekly air temperature with anomaly up to +3°C in most of the eastern and southern Balkans, Moldova, Ukraine, South Caucasus, as well as northern and southern Turkey with around 90% probability for exceeding upper tercile. Precipitation surplus is expected in the Carpathians, Moldova, Ukraine and most of Turkey, with probability around 90% for exceeding upper tercile. "

Monitoring

During the period from 25 June to 2 July 2023, weekly precipitation sums were around 75 mm in eastern Ukraine and along southern Adriatic Sea, up to 50 mm in northern Ukraine and parts of eastern, western and southern Balkans, as well as northernmost Turkey. In other parts of the region, precipitation totals were up to 25 mm.

Outlook

Within the first week (3 to 9 July 2023), ECMWF monthly forecast predicts above average mean weekly air temperature with anomaly up to +3°C in most of the eastern and southern Balkans, Moldova, Ukraine, South Caucasus, as well as northern and southern Turkey with around 90% probability for exceeding upper tercile. Below average mean weekly air temperature with anomaly up to –3°C is predicted for western Turkey and parts of south Balkans with up to 90%, probability for exceeding lower tercile. Precipitation surplus is expected in the Carpathians, Moldova, Ukraine and most of Turkey, with probability around 90% for exceeding upper tercile.

During the second week (10 to 16 July 2023), below normal mean weekly air temperature with anomaly up to –3°C is expected in parts of the southern Balkans, as well as western Turkey. Probability for exceeding lower tercile is up to 90%. Above normal mean weekly air temperature with anomaly up to +3°C is forecasted in most of the region, with up to 90% probability for upper tercile. Precipitation surplus is predicted for the northern and central Turkey, with up to 80% probability for exceeding upper tercile. Precipitation deficit is predicted for the central and southern Balkans with probability up to 80% in parts of Greece for exceeding lower tercile.

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 10-7-2023

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

ANNEX

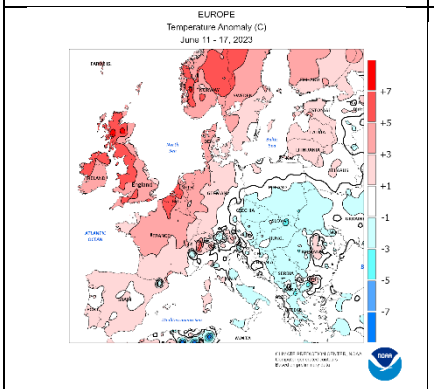
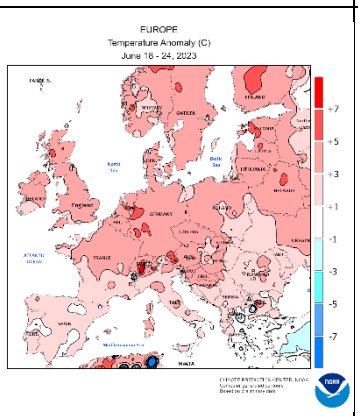
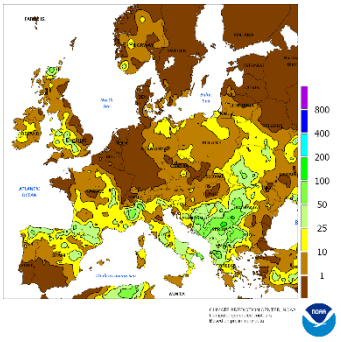
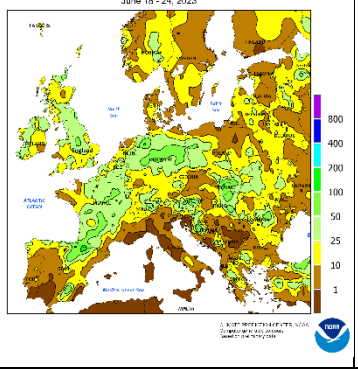
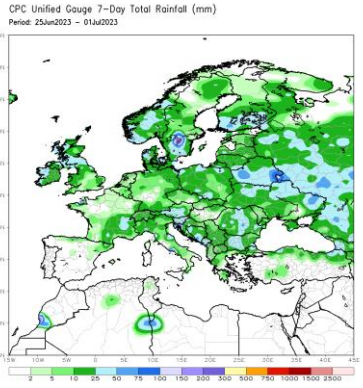
11.6-17.6.2023	18.6-24.6.2023	
		-
		

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

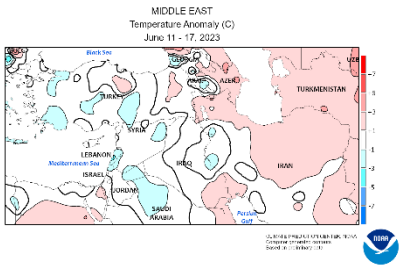
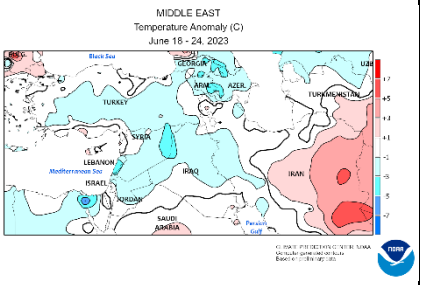
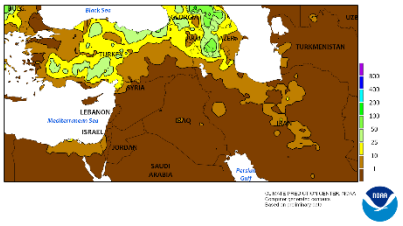
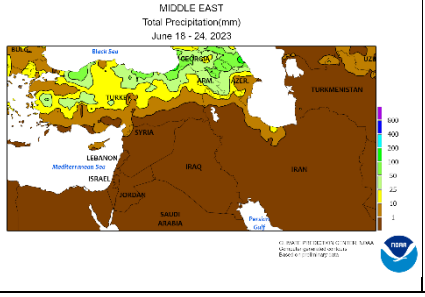
11.6-17.6.2023	18.6-24.6.2023	
		-
		-

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

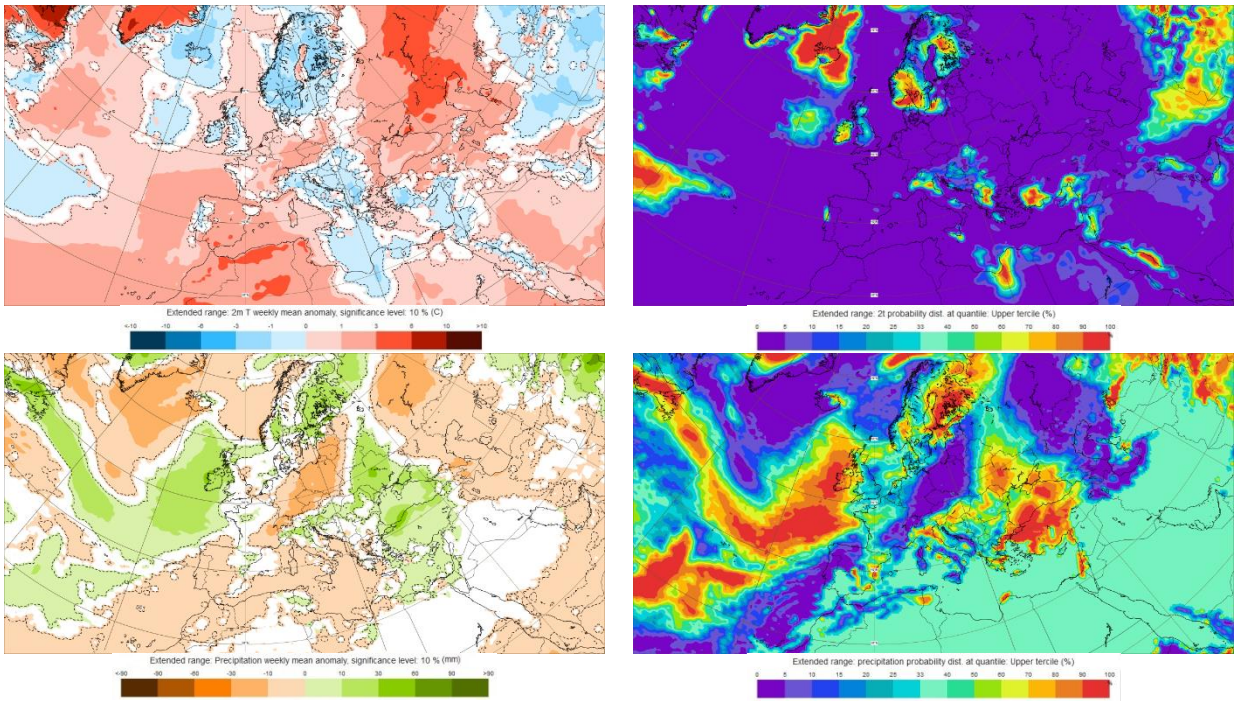


Figure 3. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 3.6–9.7.2023 period (source: European Centre for Medium-Range Weather Forecasts)

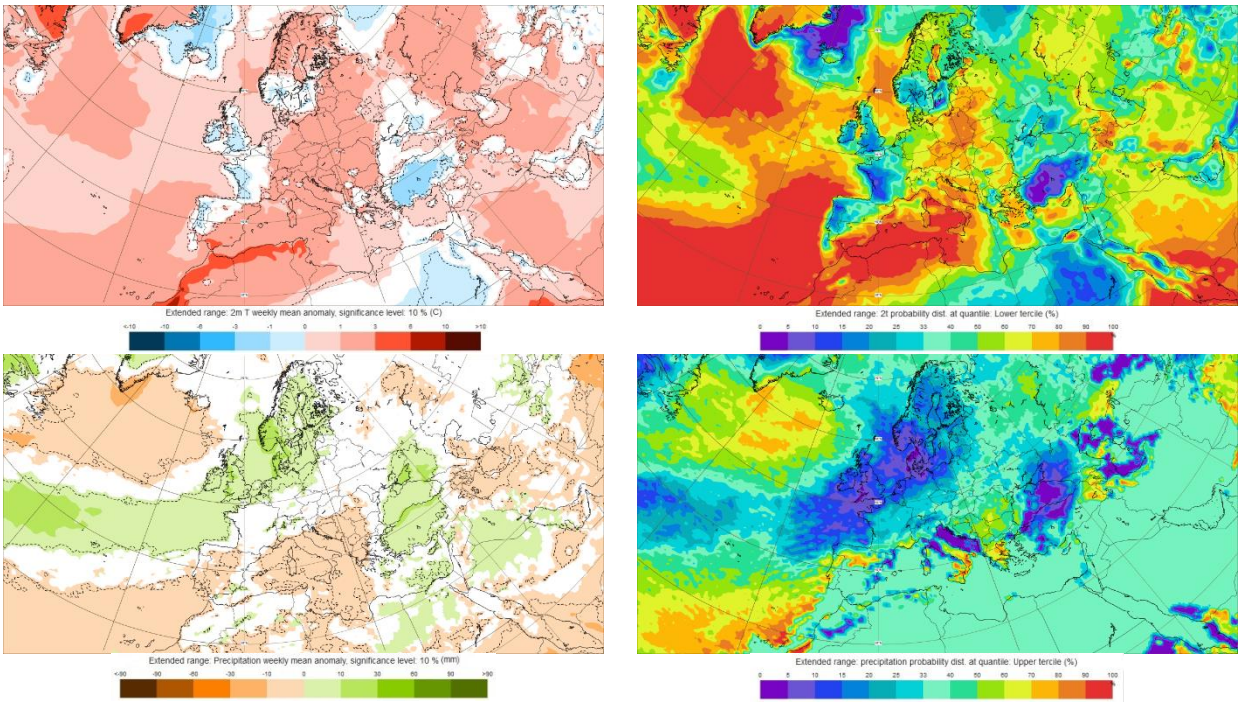


Figure 4. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 10.7–16.7.2023 period (source: European Centre for Medium-Range Weather Forecasts)

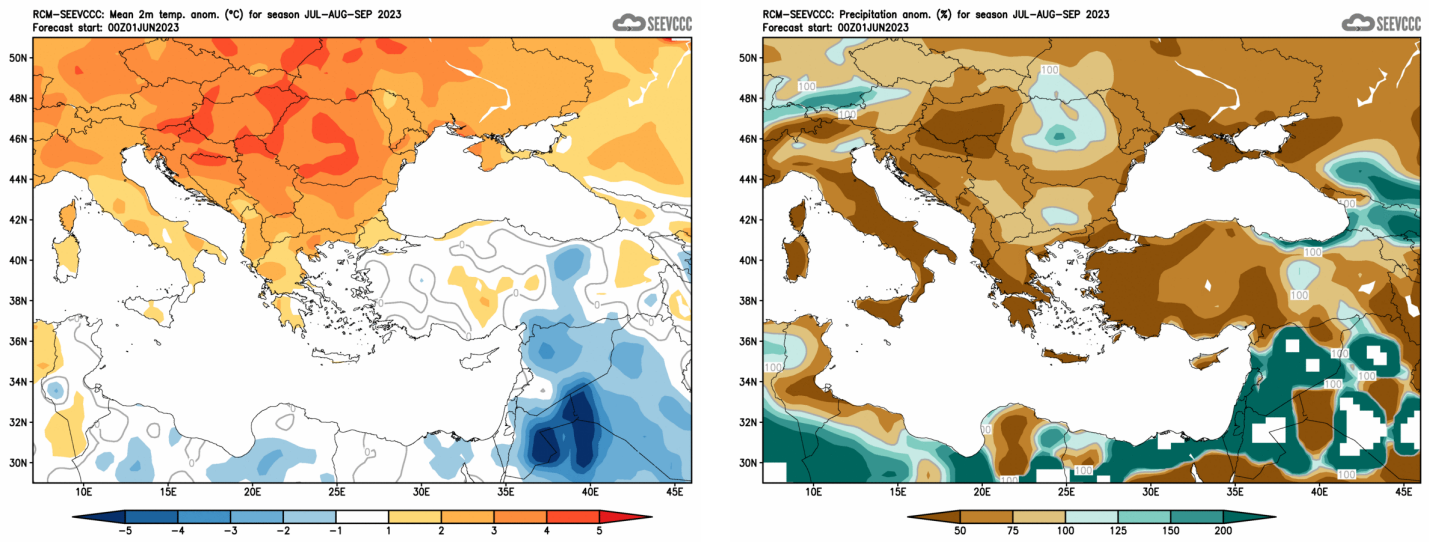


Figure 5. Mean seasonal temperature and precipitation anomaly for the season JAS (seasonal outlook from RCM – SEEVCCC)

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/)