Climate Watch (Serial No.: 20230501–17)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 1-5-2023 16:00 P.M.

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Valid from – to: 1-5-2023 – 31-7-2023 Next amendment: 8-5-2023

Region of concern: **the Balkans, Ukraine, Moldova, Cyprus, Turkey, South Caucasus**

„ Within the first week (1 to 7 May 2023), ECMWF monthly forecast predicts below average mean weekly air temperature in eastern and central Ukraine, with anomaly up to –3 °C. Probability for exceeding lower tercile is around 90% in Turkey, south Balkans, most of Ukraine and South Caucasus. Precipitation surplus is predicted for the Greece, western Turkey, as well as along Adriatic and Aegean Sea, with probability around 90% for exceeding upper tercile. Precipitation deficit is predicted for eastern Balkans, eastern Turkey, western Ukraine, as well as parts of the South Caucasus, with probability up to 70% for exceeding lower tercile .“

Monitoring

During the period from 23 to 29 April 2023, weekly precipitation sums were up to 75 mm in some parts of the northern Albenia and northenmost Turkey, while in Montenego, south Bulgaria, north Romenia, as well as central and northern Turkey they were up to 50 mm. In rest of the region precipitation sums were below 25 mm.

Outlook

Within the first week (1 to 7 May 2023), ECMWF monthly forecast predicts below average mean weekly air temperature in eastern and central Ukraine, with anomaly up to –3 °C. Probability for exceeding lower tercile is around 90% in Turkey, south Balkans, most of Ukraine and South Caucasus. Precipitation surplus is predicted for the Greece, western Turkey, as well as along Adriatic and Aegean Sea, with probability around 90% for exceeding upper tercile. Precipitation deficit is predicted for eastern Balkans, eastern Turkey, western Ukraine, as well as parts of the South Caucasus, with probability up to 70% for exceeding lower tercile .

During the second week (8 to 14 May 2023), below normal mean weekly air temperature is expected in eastern and central Ukraine, with anomaly up to –3 °C and probability around 60% for exceeding lower tercile. Above normal air temperature is expected in most of Balkans, Cyprus, and western Turkey, with anomaly up to +3 °C. Probability for exceeding lower/upper tercile is up to 70%. Precipitation deficit is predicted for the parts of south Balkns Aegean Sea and Turkey with probability up to 60% for exceeding lower tercile. In the rest of the Region is expecteted average precipitation sums.

During the following three months (May, June and July), seasonal forecast predicts above average seasonal air temperature in most of the Balkans and Ukraine, as well as central and eastern Turkey. Precipitation surplus is expected in the Carpathians, northeastern Turkey, South Caucasus, Israel and Jordan. Precipitation deficit is predicted for coastal regions of the Balkans, Cyprus and Syria, as well as northern, western and southern Turkey.

Update

An updated statement will be issued on 8-5-2023

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

ANNEX

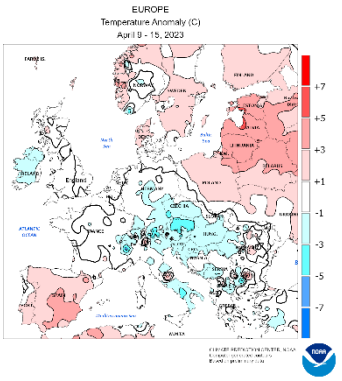
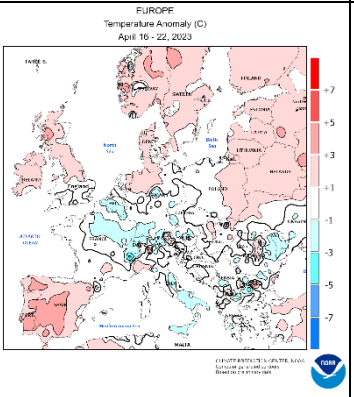
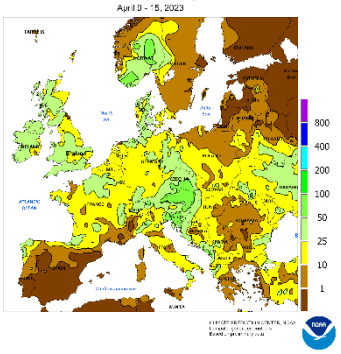
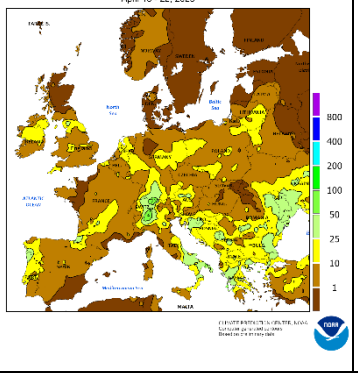
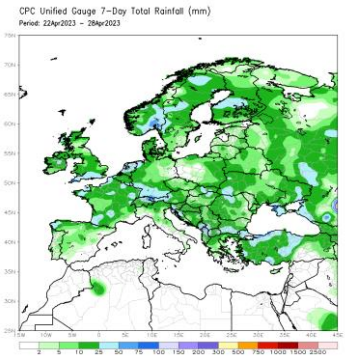
9.4-15.4.2023.	16.4-22.4.2023	23.4-30.4.2023
		-
		

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

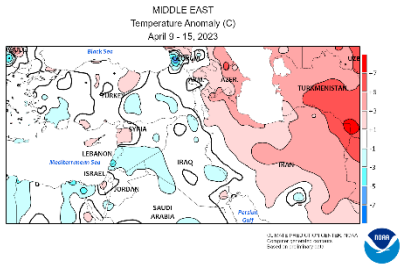
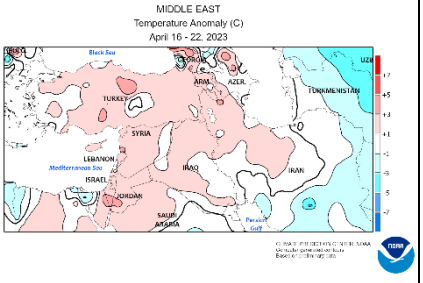
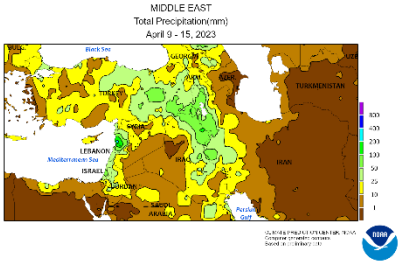
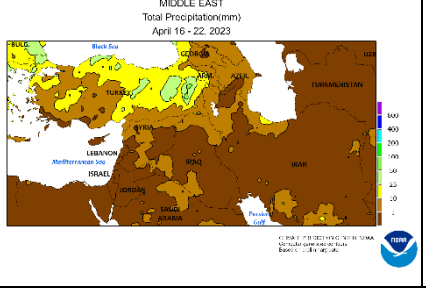
9.4-15.4.2023.	16.4-22.4.2023	23.4-30.4.2023
		-
		-

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

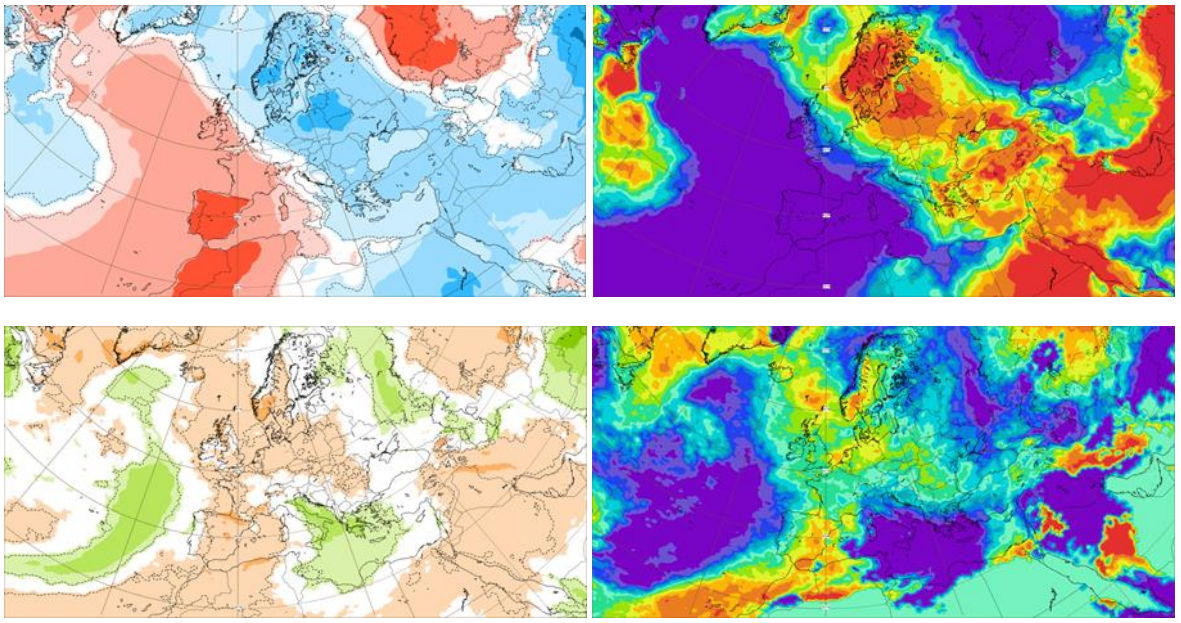


Figure 3. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 1.5–7.5.2023 period

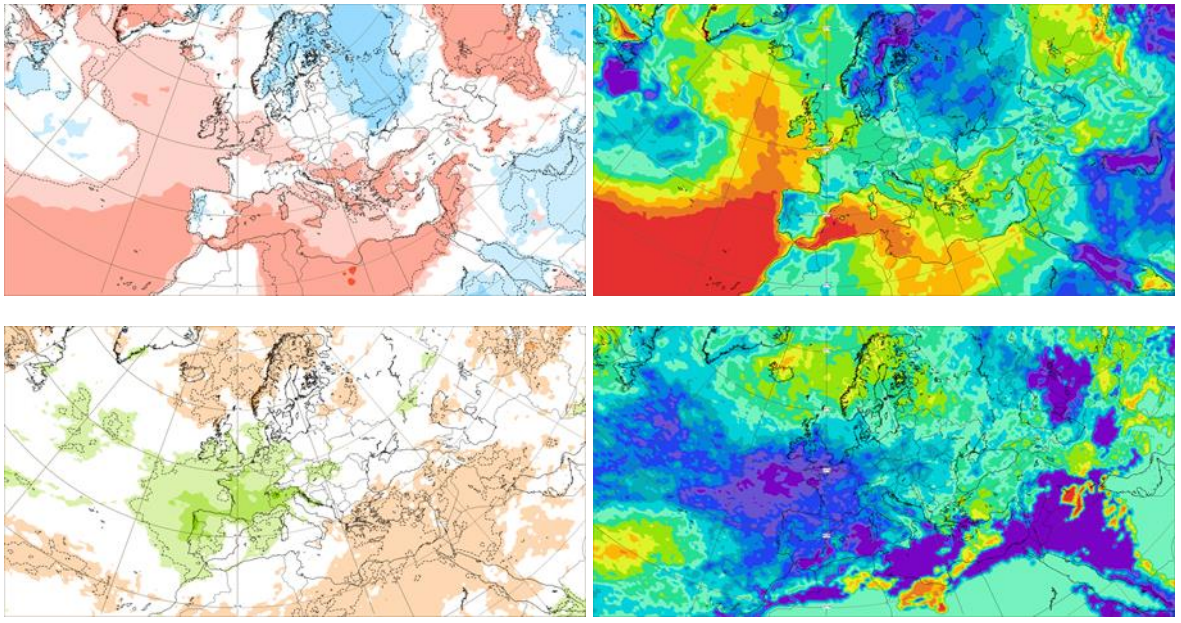


Figure 4. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 8.5–14.5.2023 period

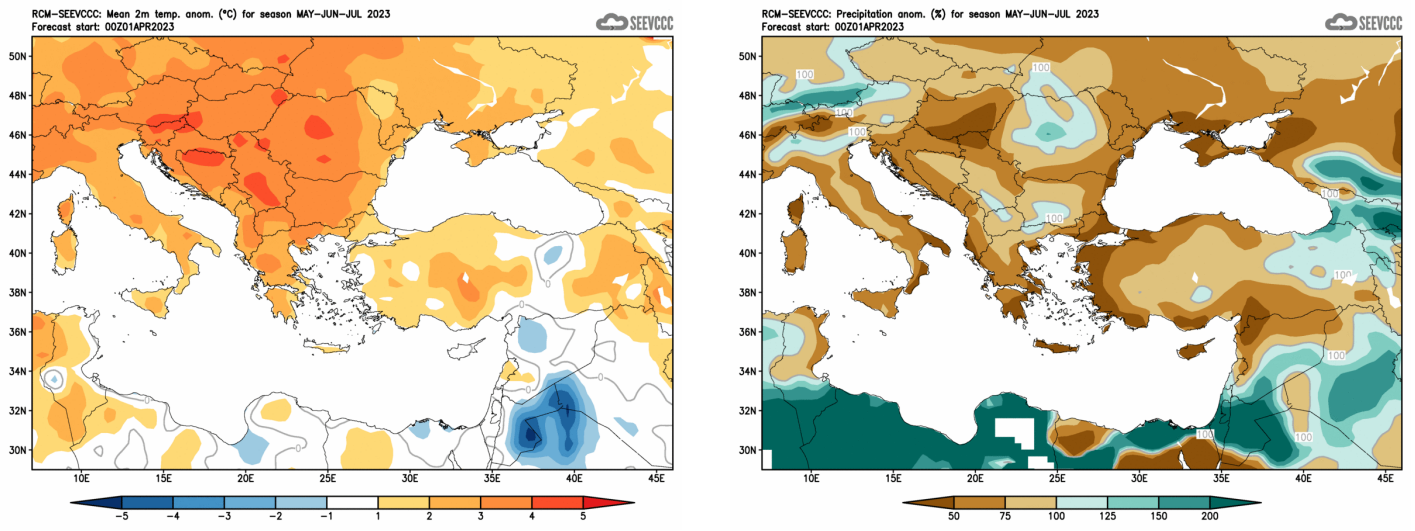


Figure 5. Mean seasonal temperature and precipitation anomaly for the season MJJ (seasonal outlook from RCM – SEEVCCC)

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/)