Climate Watch (Serial No.: 20240401–14)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 1-4-2024 16:00

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Valid from – to: 1-4-2024 – 30-6-2024 Next amendment: 8-4-2024

Region of concern: **SEE region**

„ Within the first week (1 to 7 April 2024), ECMWF monthly forecast predicts above average mean weekly air temperature in the entire SEECOF region, with anomaly up to +10°C in parts of central and eastern Balkans, eastern Romania, Moldova, western Ukraine and southern Turkey, and probability above 90% for exceeding upper decile in almost the entire SEECOF region. Above normal mean weekly air temperature is forecasted for the entire SEECOF region until 14 April, with anomaly up to +10°C, in the Carpathian Mountains, and probability around 90% for exceeding upper decile in Aegean Sea region, eastern Balkans, Romania, Moldova and Ukraine. Precipitation deficit is predicted for most of the Balkans, Romania, Moldova, Cyprus, western, central and northern Turkey, with up to 90% probability for exceeding lower tercile. “

Monitoring

During the period from 24 to 30 March 2024, weekly precipitation sums were up to 100 mm in the western Balkans and southern Greece, up to 50 mm in southeastern Turkey, western Georgia and some central and southern parts of Ukraine, while in rest of the SEE region precipitation totals were up to 25 mm.

Outlook

Within the first week (1 to 7 April 2024), ECMWF monthly forecast predicts above average mean weekly air temperature in the entire SEECOF region, with anomaly up to +10°C in parts of central and eastern Balkans, eastern Romania, Moldova, western Ukraine and southern Turkey. Probability for exceeding upper decile (top ten of the highest temperature) is above 90% in almost the entire SEECOF region. Precipitation deficit is predicted for most of the Balkans, Romania, Moldova, Cyprus, western, central and northern Turkey, with up to 90% probability for exceeding lower tercile (bottom third of the lowest precipitation).

During the second week (8 to 14 April 2024), above normal mean weekly air temperature is forecasted for the entire SEECOF region, with anomaly up to +10°C, in the Carpathian Mountains. Probability for exceeding upper decile (top ten of the highest temperature) is around 90% in Aegean Sea region, eastern Balkans, Romania, Moldova and Ukraine. Precipitation deficit is predicted for northeastern Turkey and Georgia, with up to 70% probability for exceeding lower tercile (bottom third of the lowest precipitation).

During the following three months (April, May and June), seasonal forecast predicts above average seasonal air temperature in the Balkans, Romania, western Ukraine, central and eastern Turkey. Precipitation surplus is expected in the Carpathians, northeastern Turkey and South Caucasus. Precipitation deficit is forecasted for most of the Balkans, southeastern Romania, Cyprus, Middle East and western and southern Turkey.

Update

An updated statement will be issued on 8-4-2024

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

ANNEX

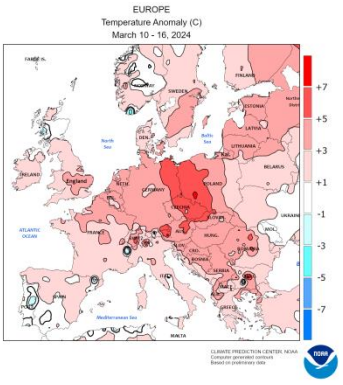
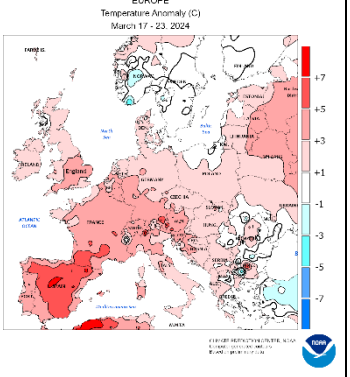
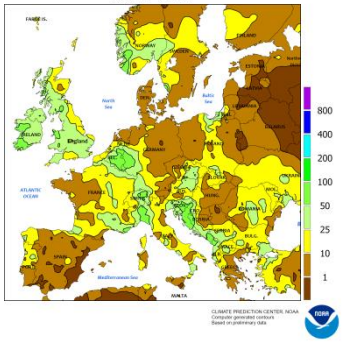
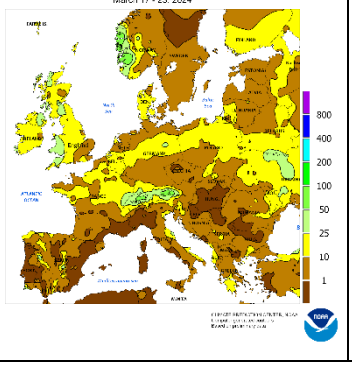
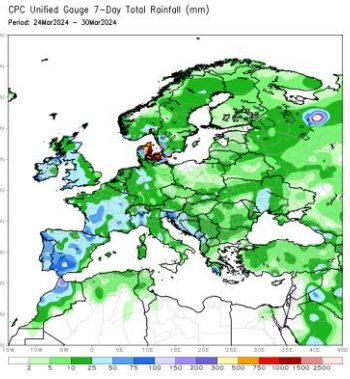
10.3-16.3.2024	17.3-23.3.2024	24.3-30.3.2024
		-
		

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

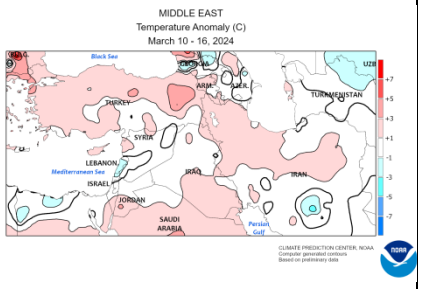
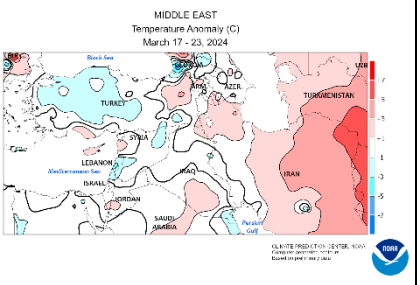
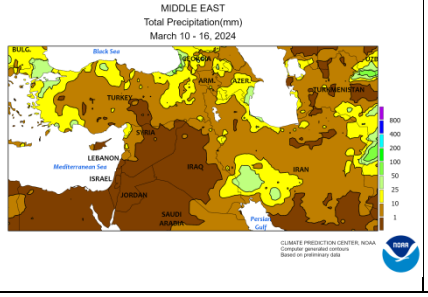
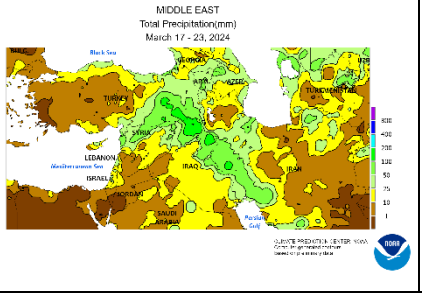
10.3-16.3.2024	17.3-23.3.2024	
		-
		-

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

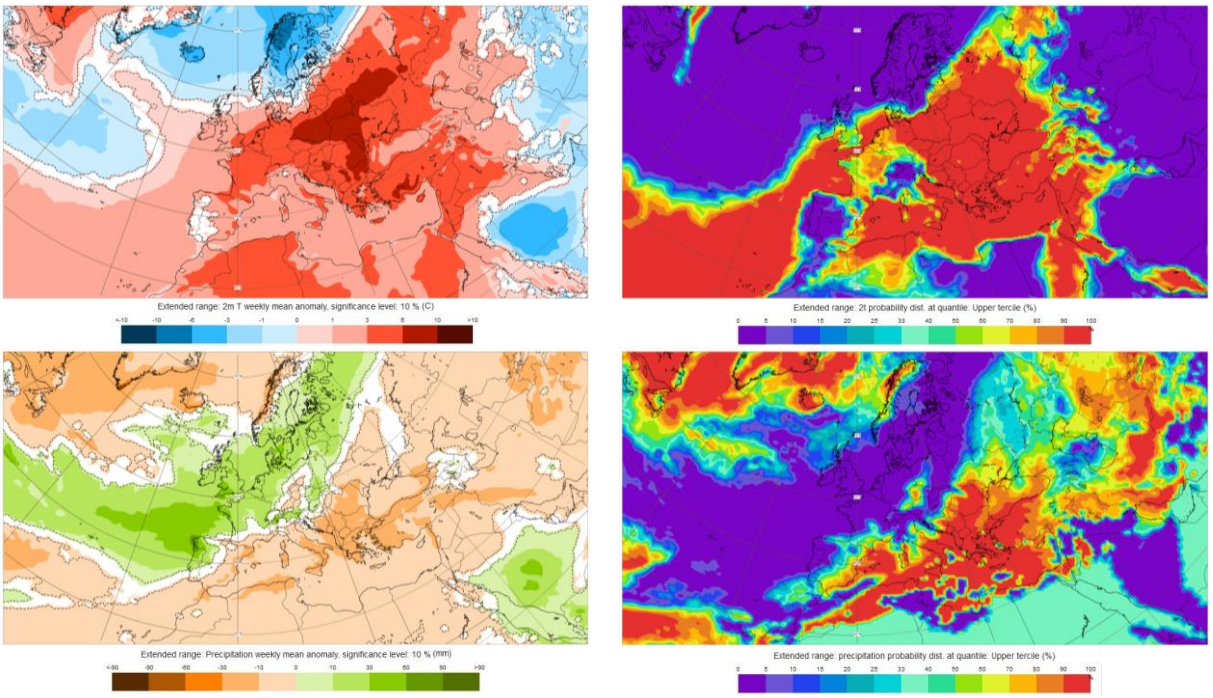


Figure 3. Outlook for the temperature anomalies and probability for the upper decile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 1–7.4.2024 period (source: European Centre for Medium-Range Weather Forecasts)

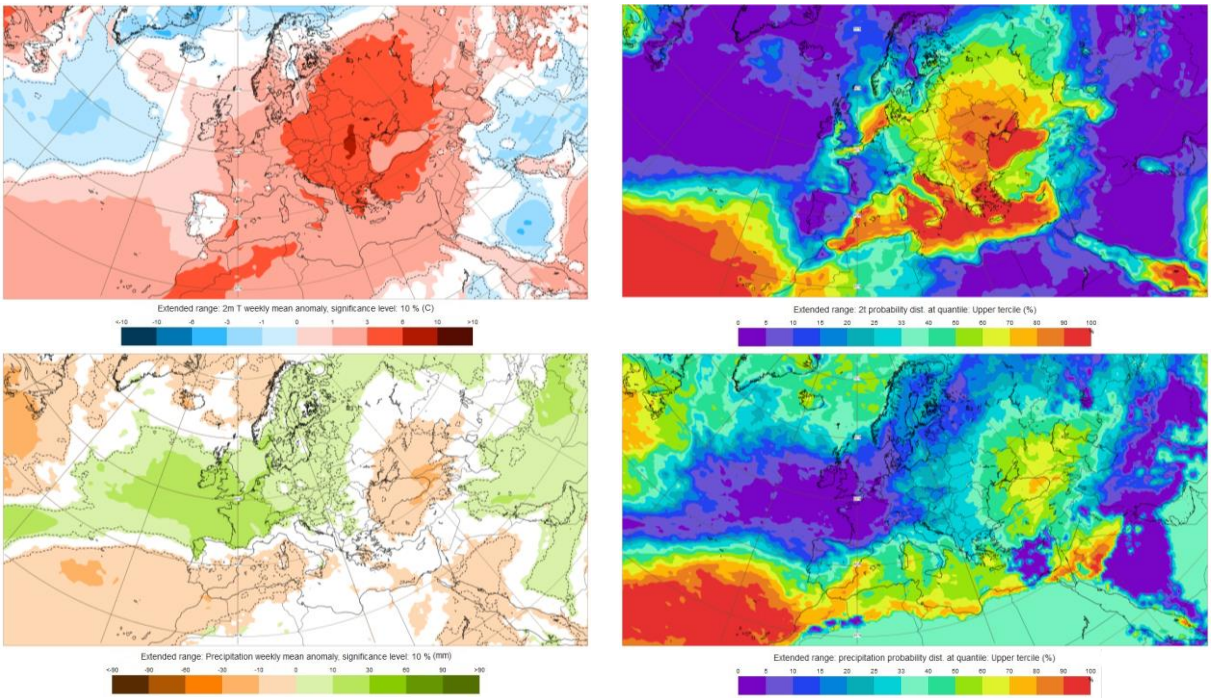


Figure 4. Outlook for the temperature anomalies and probability for the upper decile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 8–14.4.2024 period (source: European Centre for Medium-Range Weather Forecasts)

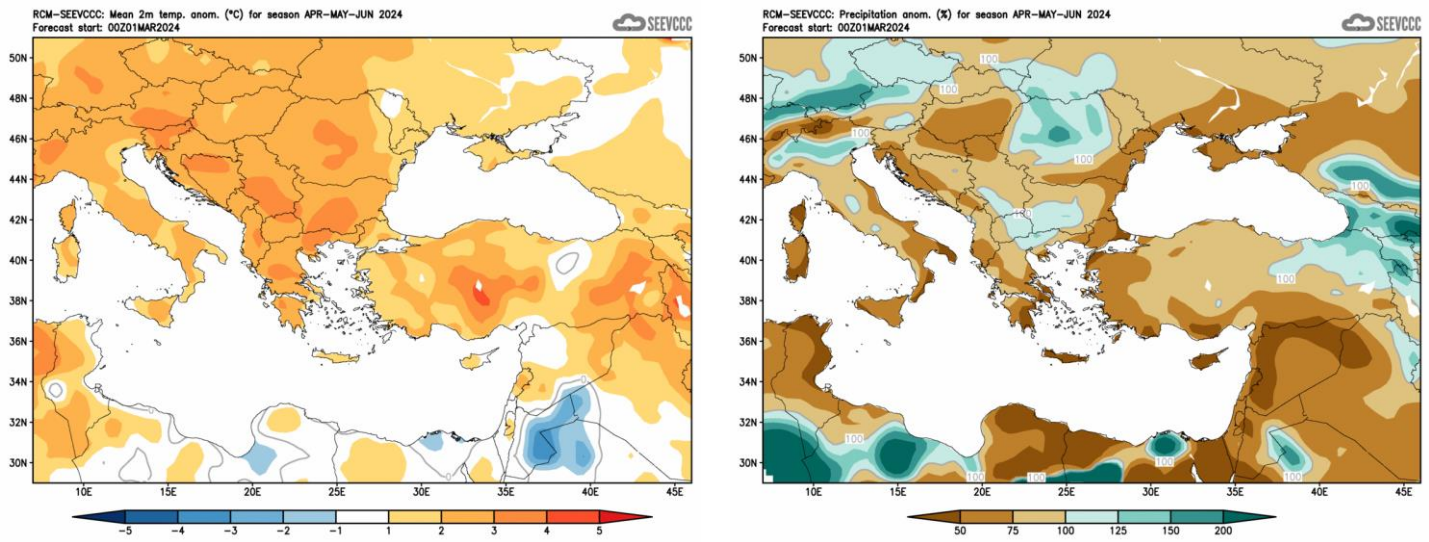


Figure 5. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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)