# Climate Watch (Serial No.: 20240506–19)

Initial/Updated/Final

Topic: <b>temperature</b> and Organization issuing the statement:	precipitation SEEVCCC	
Issued/ Amended / Cancelled	6-5-2024 16:00	
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Valid from – to:	6-5-2024 - 31-7-2024	Next amendment: 13-5-2024

Region of concern: Greece, Israel, Jordan and Ukraine

, Within the first week (6 to 13 May 2024), ECMWF monthly forecast predicts below normal mean weekly air temperature in northeastern Ukraine, with anomaly up to  $-3^{\circ}$ C, and up to 90% probability for lower tercile. Precipitation surplus is predicted for the southern Balkans, Israel and Jordan, with up to 90% probability for exceeding upper tercile. During the second (12 to 19 May 2024) below normal mean weekly air temperature is expected in northeastern Ukraine, with anomaly up to  $-3^{\circ}$ C, and around 60% probability for exceeding lower tercile. "

#### Monitoring

During the period from 28 April to 4 May 2024, weekly precipitation sums were around 50 mm in the central and eastern Balkans, northern Turkey and Georgia, while they were below 25 mm in rest of the SEECOF region.

## Outlook

Within the first week (6 to 12 May 2024), ECMWF monthly forecast predicts below normal mean weekly air temperature in northeastern Ukraine, with anomaly up to  $-3^{\circ}$ C, and up to 90% probability for lower tercile (bottom third of the lowest temperature). Above average mean weekly air temperature is expected in the entire Pannonian Plain, with anomaly up to  $+3^{\circ}$ C and around 70% probability for exceeding upper tercile (top third of the highest temperature). Precipitation surplus is predicted for the southern Balkans, Israel and Jordan, with up to 90% probability for exceeding upper tercile (top third of the highest precipitation).

During the second week (13 to 19 May 2024), below normal mean weekly air temperature is expected in northeastern Ukraine, with anomaly up to  $-3^{\circ}$ C, and around 60% probability for exceeding lower tercile (bottom third of the lowest temperature). Above average mean weekly air temperature is forecasted for the Balkans, Cyprus and western Turkey, with anomaly up to  $+3^{\circ}$ C and around 70% probability for exceeding upper tercile (top third of the highest temperature). Precipitation surplus is predicted for Azerbaijan, with up to 60% probability for exceeding upper tercile (top third of the highest precipitation). Precipitation deficit is expected in the southwestern Balkans and northwestern Turkey, with up to 80% probability for lower tercile (bottom third of the lowest precipitation).

During the following three months (May, June and July), seasonal forecast predicts above average seasonal air temperature in the Balkans, 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 and western and southern Turkey.

## Update

An updated statement will be issued on 13-5-2024

For further information, please contact <u>cws-seevccc@hidmet.gov.rs</u>



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



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

#### 2 m temperature: Weekly mean anomalies

#### 2 m temperature: Probability distribution



**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 6.5–12.5.2024 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 lower tercile (lower row) for the 13.5–19.5.2024 period (source: European Centre for Medium-Range Weather Forecasts)



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

## Sources

- Republic Hydrometeorological Service of Serbia (<u>www.hidmet.gov.rs</u>)
- South East European Virtual Climate Change Center (<u>www.seevccc.rs</u>)
- European Centre for Medium-Range Weather Forecasts (<u>http://www.ecmwf.int/</u>)
- Climate Prediction Center USA (<u>http://www.cpc.ncep.noaa.gov/</u>)
- Deutscher Wetterdienst (<u>http://www.dwd.de</u>)