Climate Watch (Serial No.: 20231023–42)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 23-10-2023 16:00 P.M.

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Valid from – to: 23-10-2023 – 31-1-2024 Next amendment: 30-10-2023

Region of concern: **SEE region**

„ Within the first week (23 to 29 October 2023), ECMWF monthly forecast predicts above average mean weekly air temperature in the entire region, with anomaly from +3°C up to +6°C anomaly, in some parts of the eastern Balkans even up to +10°C. Probability for exceeding upper decile (top ten of the highest temperature) is around 90%. Precipitation surplus is expected in western and northern Balkans, with up to 90% probability for exceeding upper tercile (top third of the highest precipitation). “

Monitoring

During the period from 15 to 21 October 2023, weekly precipitation sums were below 25 mm in most of the region, beside northern Turkey, Georgia and Croatia where they were up to 75 mm.

Outlook

Within the first week (23 to 29 October 2023), ECMWF monthly forecast predicts above average mean weekly air temperature in the entire region, with anomaly from +3°C up to +6°C anomaly, in some parts of the eastern Balkans even up to +10°C. Probability for exceeding upper decile (top ten of the highest temperature) is around 90%. Precipitation surplus is expected in western and northern Balkans, with up to 90% probability for exceeding upper tercile (top third of the highest precipitation).

During the second week (30 October to 5 November 2023), above normal mean weekly air temperature is forecasted in the entire region, with anomaly up to +6°C. Probability for exceeding upper tercile (top third of the highest temperature) is around 80%. Precipitation surplus is expected in the western and northern Balkans, with around 60% probability for exceeding upper tercile (top third of the highest precipitation).

During the following three months (November, December and January), seasonal forecast predicts above average seasonal air temperature in most of the Balkans. Precipitation surplus is expected in the Carpathians, along Adriatic coast, northern and eastern Turkey and South Caucasus.

Update

An updated statement will be issued on 30-10-2023

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

ANNEX

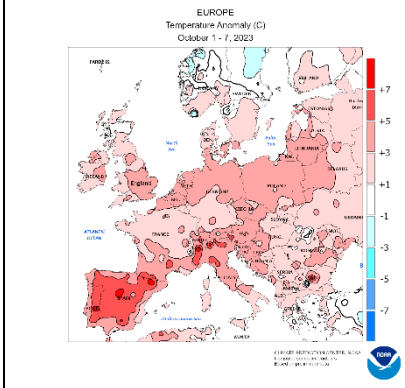
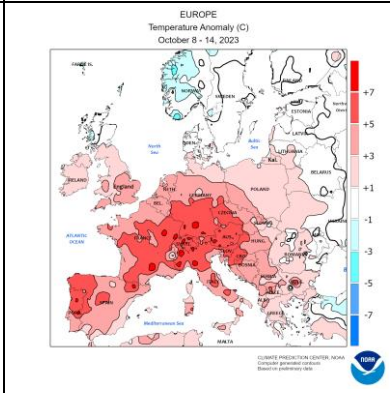
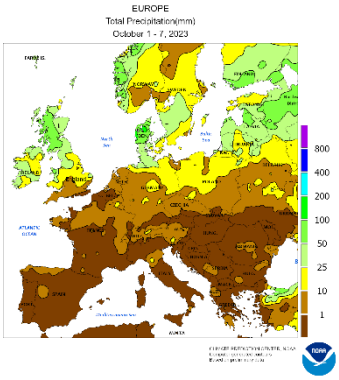
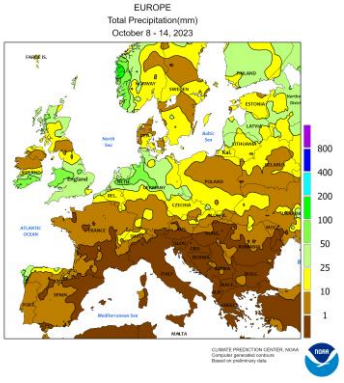
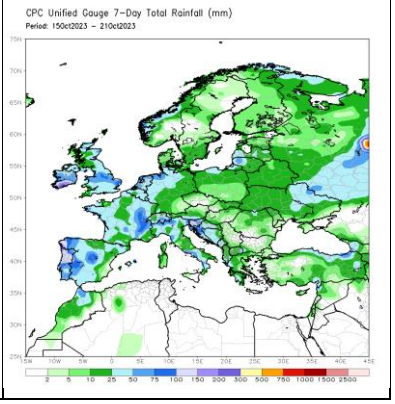
1.10-7.10.2023	8.10-14.10.2023	15.10-21.10.2023
		-
		

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

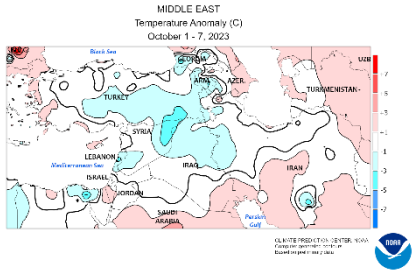
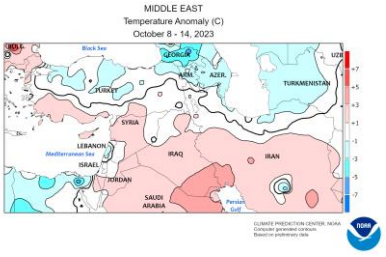
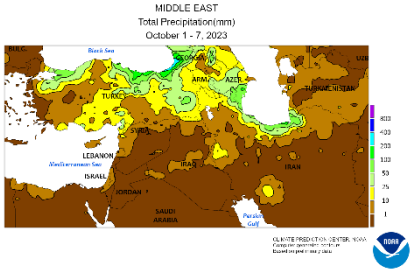
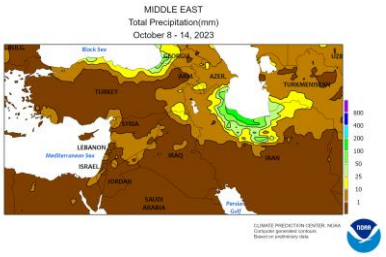
1.10-7.10.2023	8.10-14.10.2023	15.10-21.10.2023
		-
		-

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

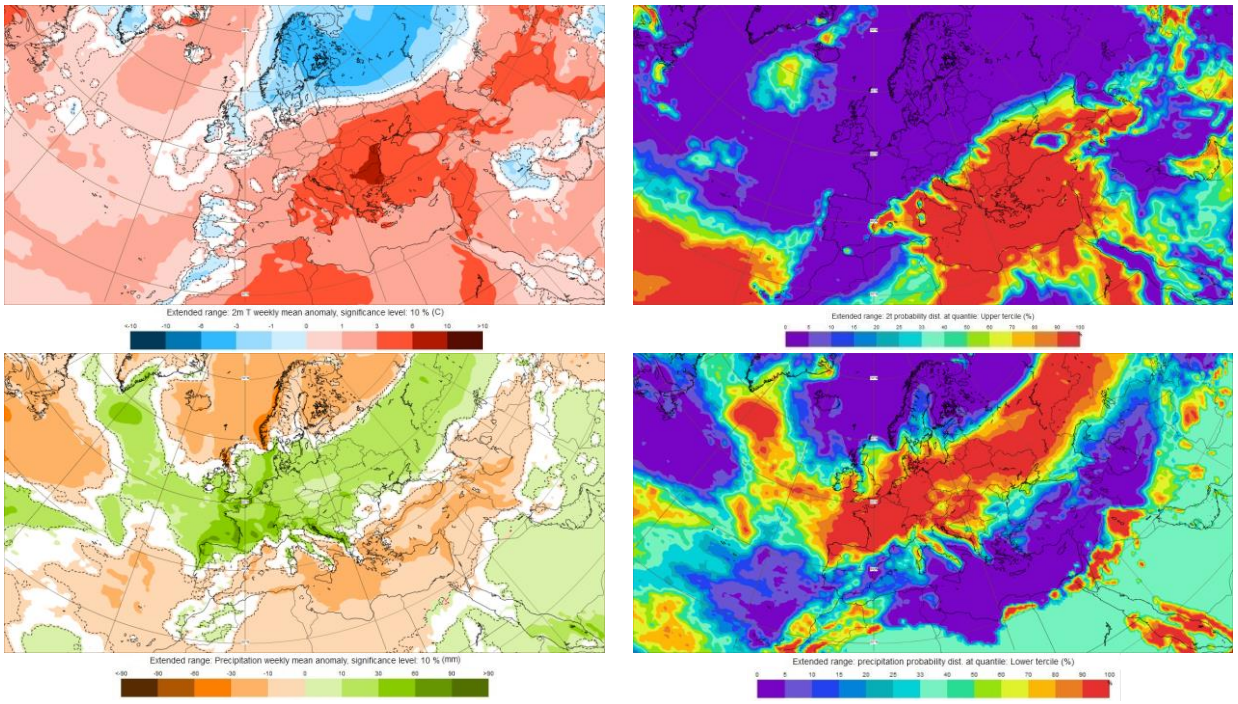


Figure 3. Outlook for the temperature anomalies and probability for the upper decile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 23.10–29.10.2023 period (source: European Centre for Medium-Range Weather Forecasts)

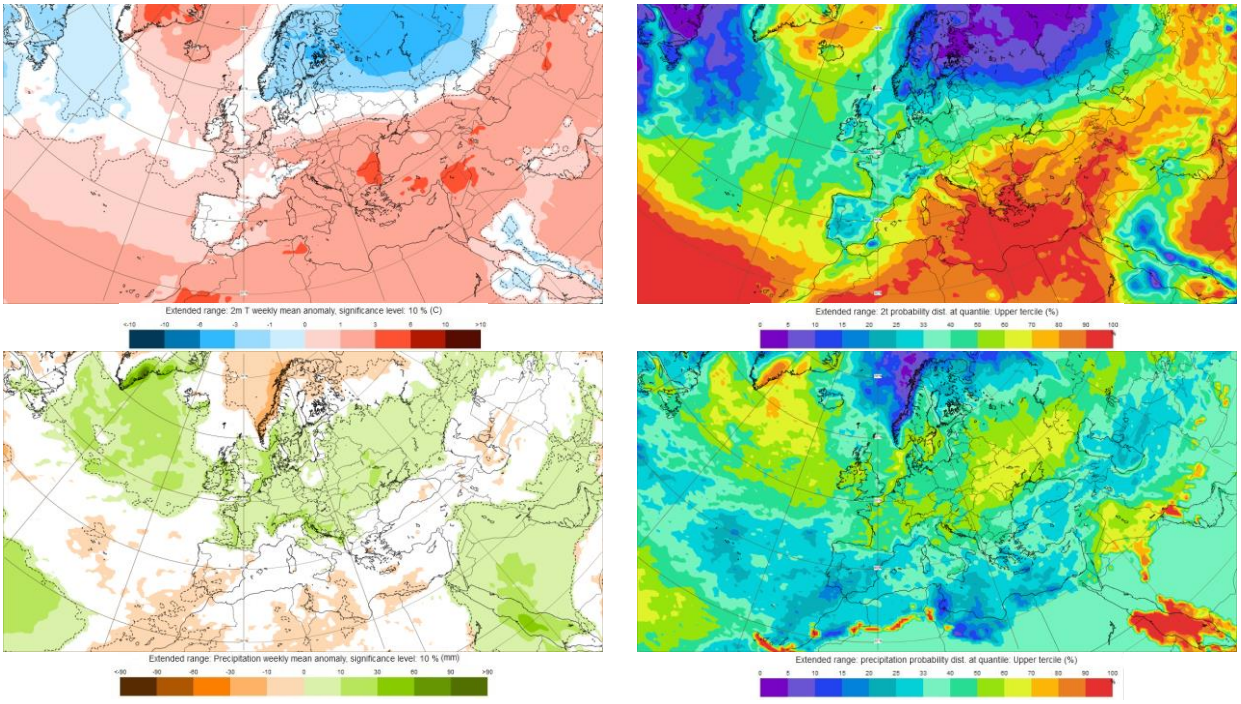


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 30.10–5.11.2023 period (source: European Centre for Medium-Range Weather Forecasts)

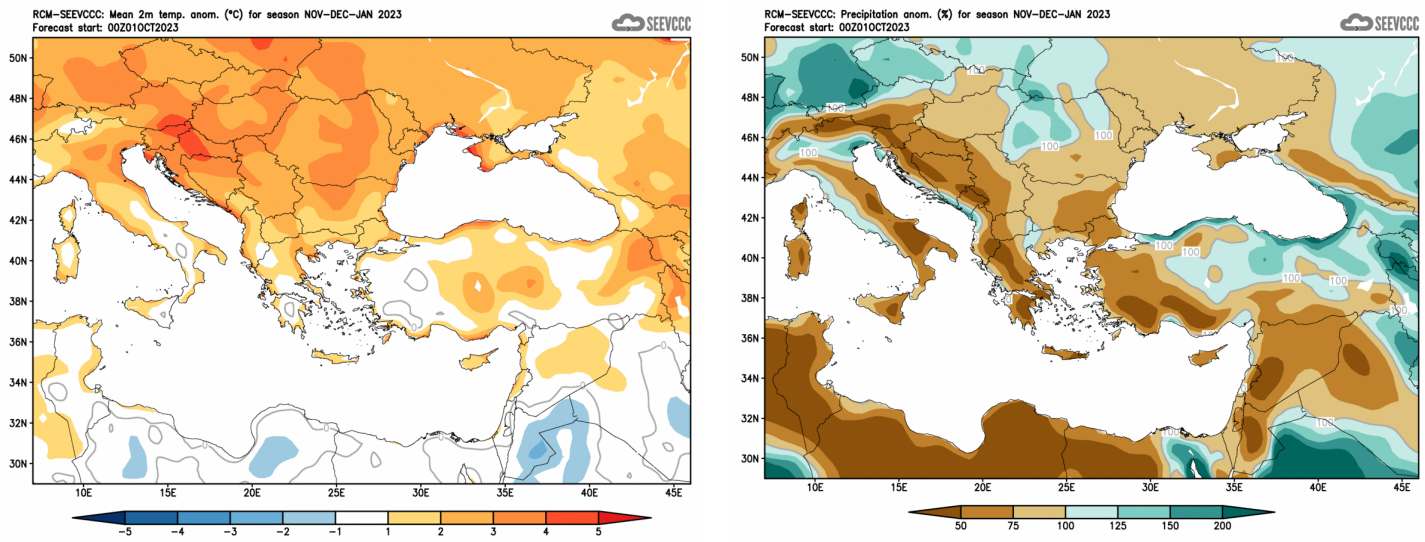


Figure 5. Mean seasonal temperature and precipitation anomaly for the season NDJ (seasonal outlook from RCM – SEEVCCC)

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/)