

Climate Watch (Serial No.: 20231016–41)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing
the statement: SEEVCCC

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

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

Valid from – to: 16-10-2023 – 31-12-2023 Next amendment: 23-10-2023

Region of concern: **western Balkans, eastern Mediterranean, Ukraine and Turkey**

„ Within the first week (16 to 22 October 2023), ECMWF monthly forecast predicts precipitation surplus along the Adriatic Sea, eastern Mediterranean Sea, Ukraine and southeastern Turkey, with up to 90% probability for exceeding upper tercile (top third of the highest precipitation). During the second week (23 to 29 October 2023), precipitation surplus is expected in the western Balkans and Pannonian Plain, with around 80% probability for exceeding upper tercile (top third of the highest precipitation). “

Monitoring

During the period from 8 to 14 October 2023, weekly precipitation sums were below 25 mm in the region, beside northern Turkey and western Georgia where they were up to 50 mm.

Outlook

Within the first week (16 to 22 October 2023), ECMWF monthly forecast predicts above average mean weekly air temperature in the Balkans, western Turkey and southern Moldova, with anomaly up to +3°C, even with up to +6°C anomaly in some parts of the Balkans. Probability for exceeding upper tercile (top third of the highest temperature) is up to 90%. Below normal temperature anomaly is expected in northern Ukraine, with anomaly up to -3°C and up to 80% probability for exceeding lower tercile (bottom third of the lowest temperature). Precipitation surplus is expected along the Adriatic Sea, eastern Mediterranean Sea, Ukraine and southeastern Turkey, with up to 90% probability for exceeding upper tercile (top third of the highest precipitation).

During the second week (23 to 29 October 2023), above normal mean weekly air temperature is forecasted in almost the entire region, with anomaly up to +3°C, even up to +6°C in the Balkans. Probability for exceeding upper tercile (top third of the highest temperature) is around 90% in the Balkans, Cyprus, western Turkey and Middle East. Precipitation surplus is expected in the western Balkans and Pannonian Plain, with around 80% probability for exceeding upper tercile (top third of the highest precipitation).

During the following three months (October, November and December), seasonal forecast predicts above average seasonal air temperature in the western, northern and parts of central and eastern Balkans, most of Romania, western and part of central Ukraine. Below average seasonal air temperature is expected in some locations in Jordan. Precipitation surplus is expected in the Carpathians, along Adriatic coast, coastal part of northern Turkey and eastern Georgia. Precipitation deficit is predicted for western and southern Turkey, Cyprus and most of the Balkans.

Update

An updated statement will be issued on 23-10-2023

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

ANNEX

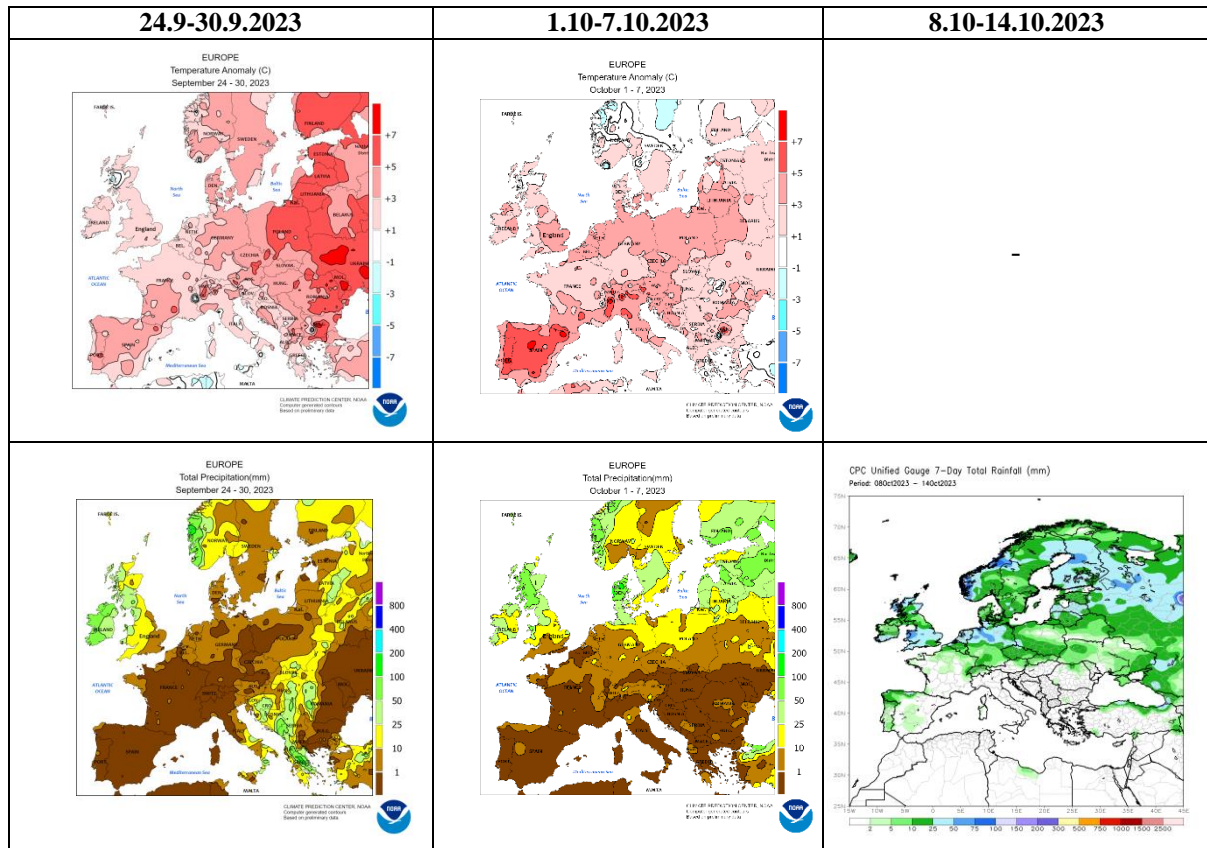


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

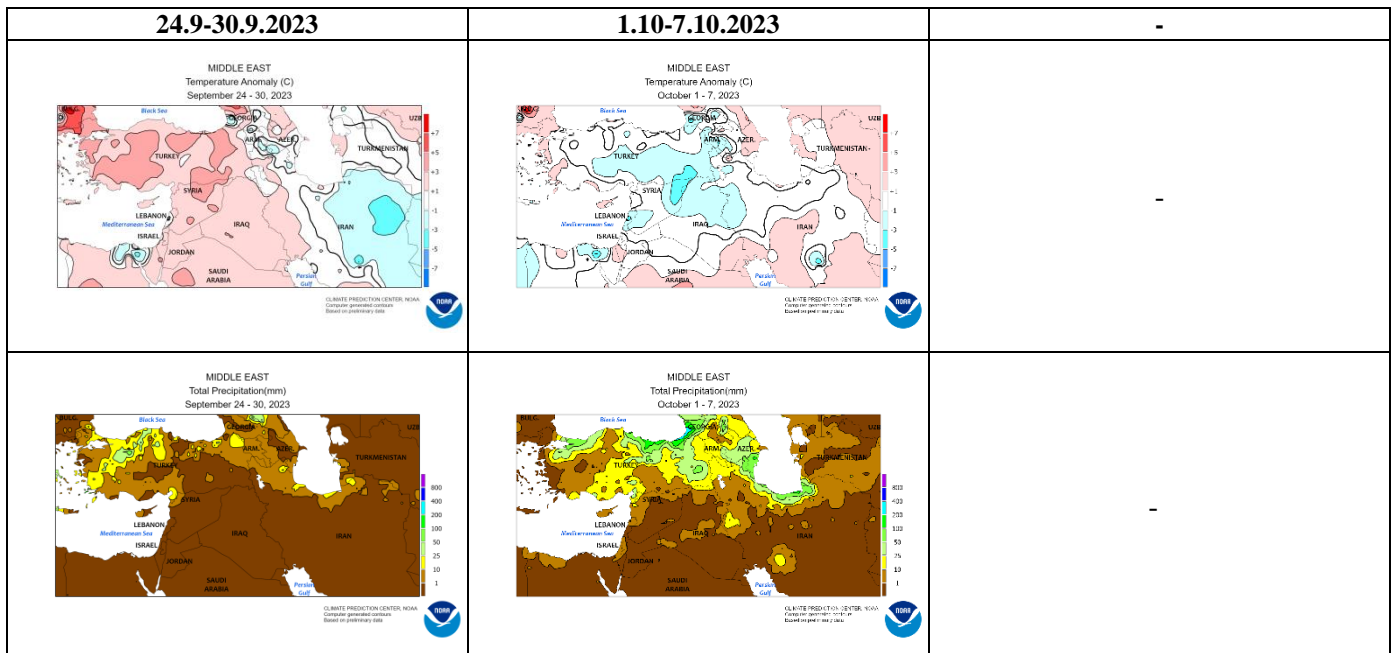


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

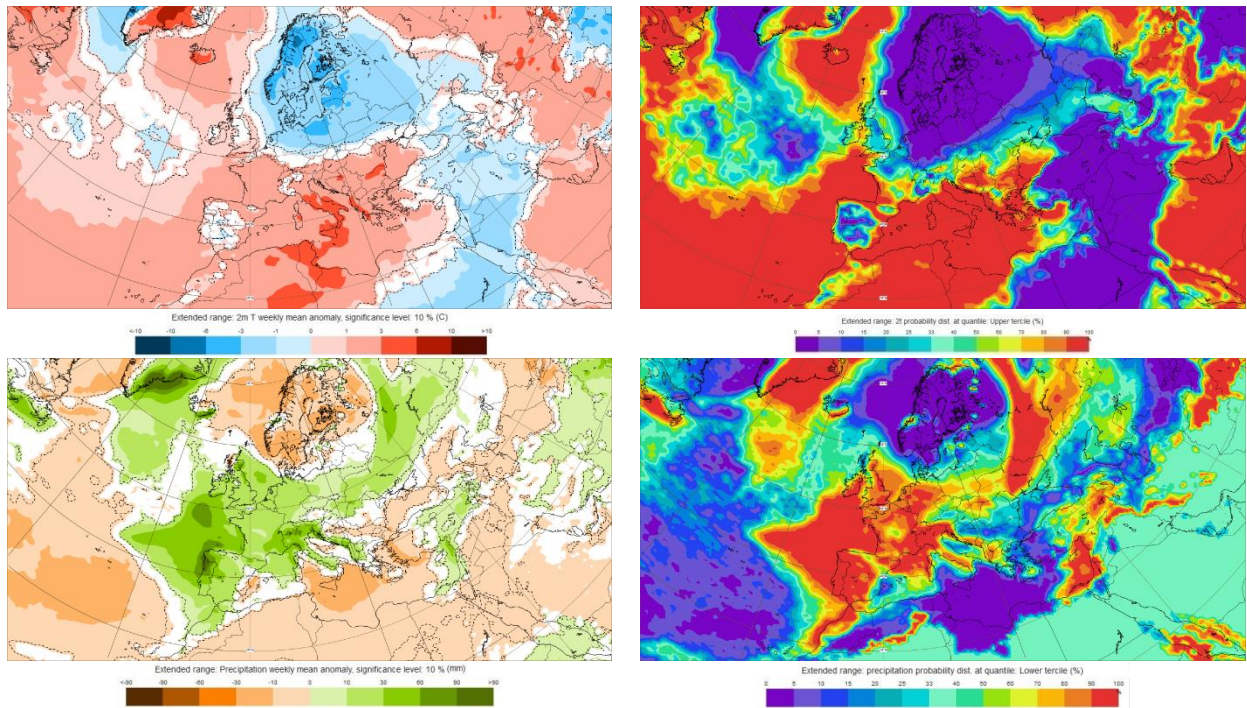


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 16.10–22.10.2023 period (source: European Centre for Medium-Range Weather Forecasts)

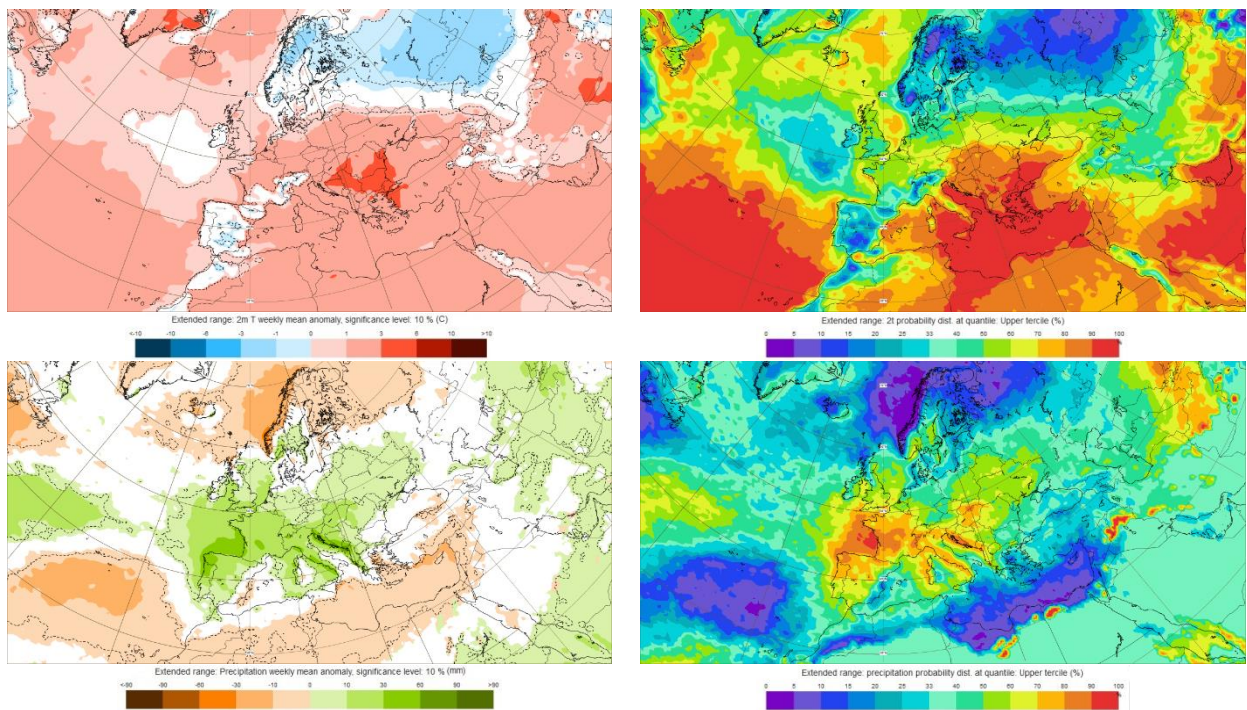


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 23.10–29.10.2023 period (source: European Centre for Medium-Range Weather Forecasts)

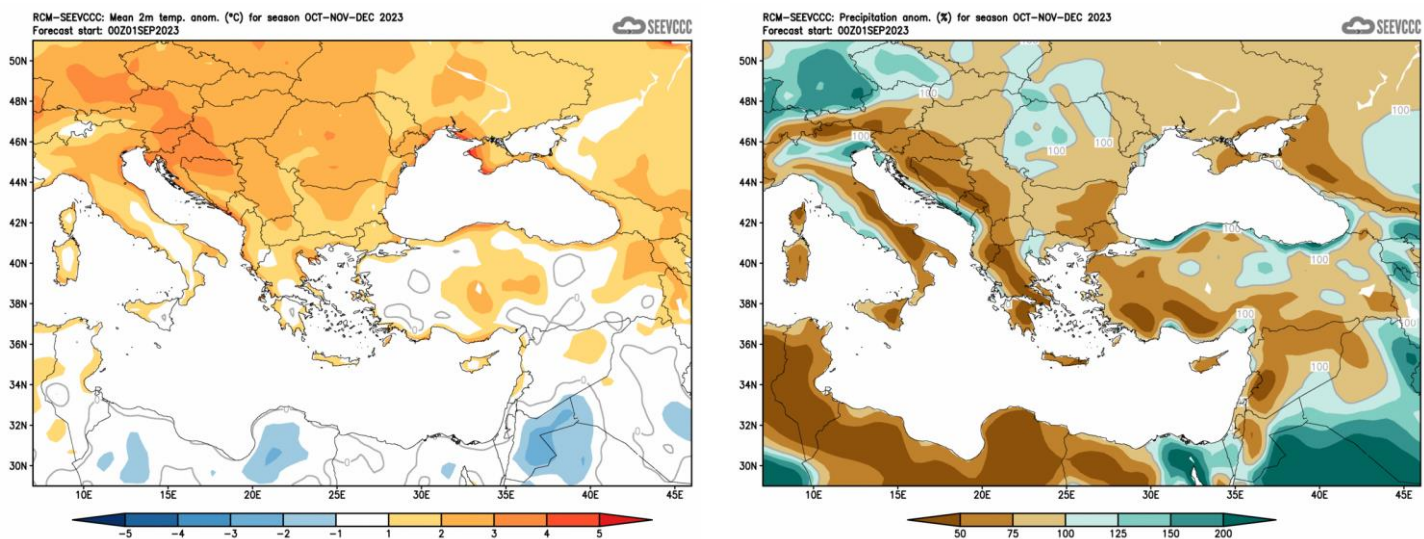


Figure 5. Mean seasonal temperature and precipitation anomaly for the season OND (seasonal outlook from RCM – SEEVCCC)

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/>)