

Climate Watch (Serial No.: 20211025–43)

Initial/Updated/Final

Topic: **temperature** and **precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / 25-10-2021 16:00 P.M.
Cancelled

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

Valid from – to: 25-10-2021 – 31-1-2022 Next amendment: 1-11-2021

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

„In the period from 25 to 31 October 2021, below normal mean weekly air temperature is predicted for the southern and eastern Balkans, southern Ukraine, central and northern Turkey, as well as South Caucasus, with anomaly up to –3°C and up to 90% probability for exceeding lower tercile. Precipitation deficit is expected for most of the region, with up to 90% probability for exceeding lower tercile in the Pannonian Plain and Carpathian Mountains.“

Monitoring

During the period from 17 to 23 October 2021, precipitation sums were mostly up to 25 mm, in southwestern Balkans, northern Turkey, Georgia and coastal Syria they were around 50 mm, and in northeastern Turkey received even more than 100 mm.

Outlook

Within the first week (25 to 31 October 2021), ECMWF monthly forecast predicts below normal mean weekly air temperature for the southern and eastern Balkans, southern Ukraine, central and northern Turkey, as well as South Caucasus, with anomaly up to -3°C and up to 90% probability for exceeding lower tercile. Precipitation deficit is expected for most of the region, with up to 90% probability for exceeding lower tercile in the Pannonian Plain and Carpathian Mountains.

During the second week (1 to 7 November 2021), above average air temperature is expected in most of the SEE region, with anomaly up to $+3^{\circ}\text{C}$, even up to $+6^{\circ}\text{C}$ in the northwestern Balkans, Carpathian Mountains and western Ukraine, and up to 80% probability for exceeding upper tercile. Precipitation deficit is expected for the southern Balkans and southwestern Turkey, with around 60% probability for exceeding lower tercile.

During the following three months (November, December and January) seasonal forecast predicts above normal seasonal air temperature for the northern and western parts of Balkans. Precipitation surplus is expected in the Carpathian Mountains, as well as along the coasts of Adriatic and southern Black Sea. Precipitation deficit is predicted for the western and southern Balkans, Cyprus and southern and western Turkey.

Update

An updated statement will be issued on 1-11-2021

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

ANNEX

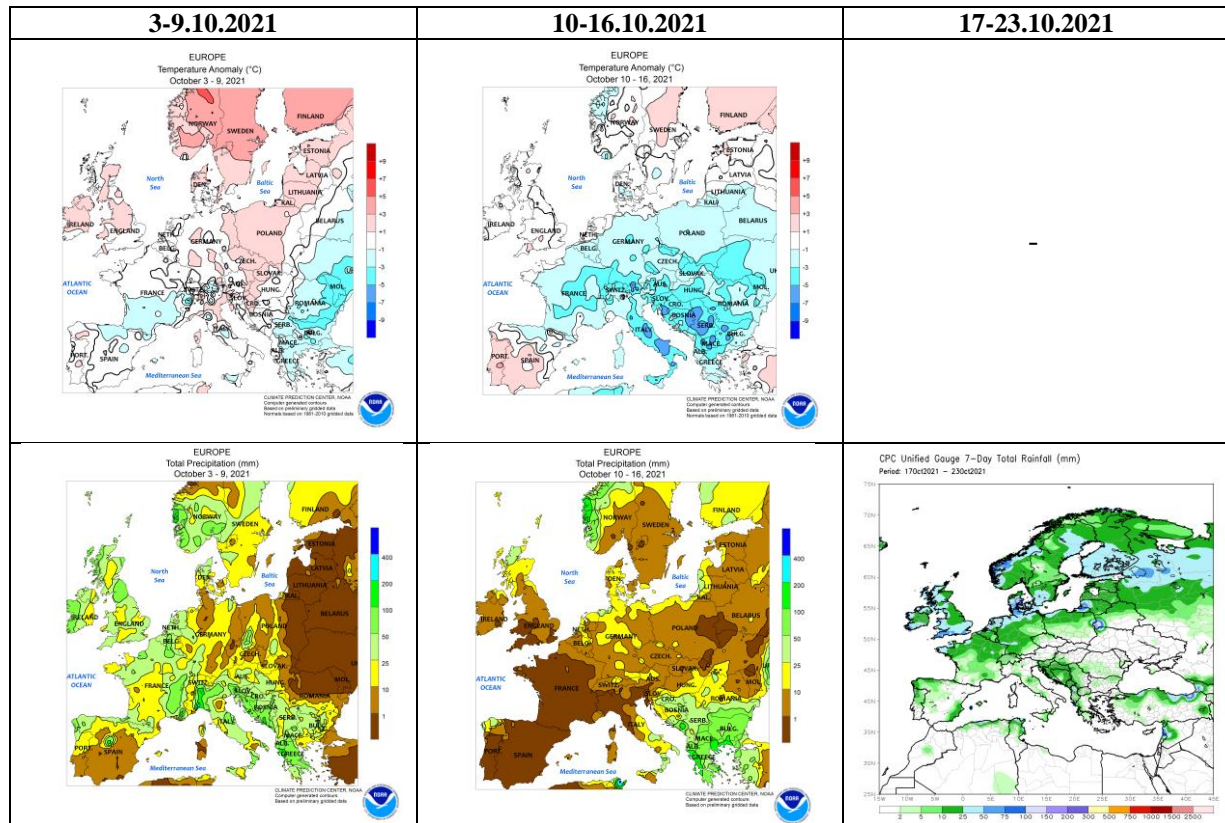


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

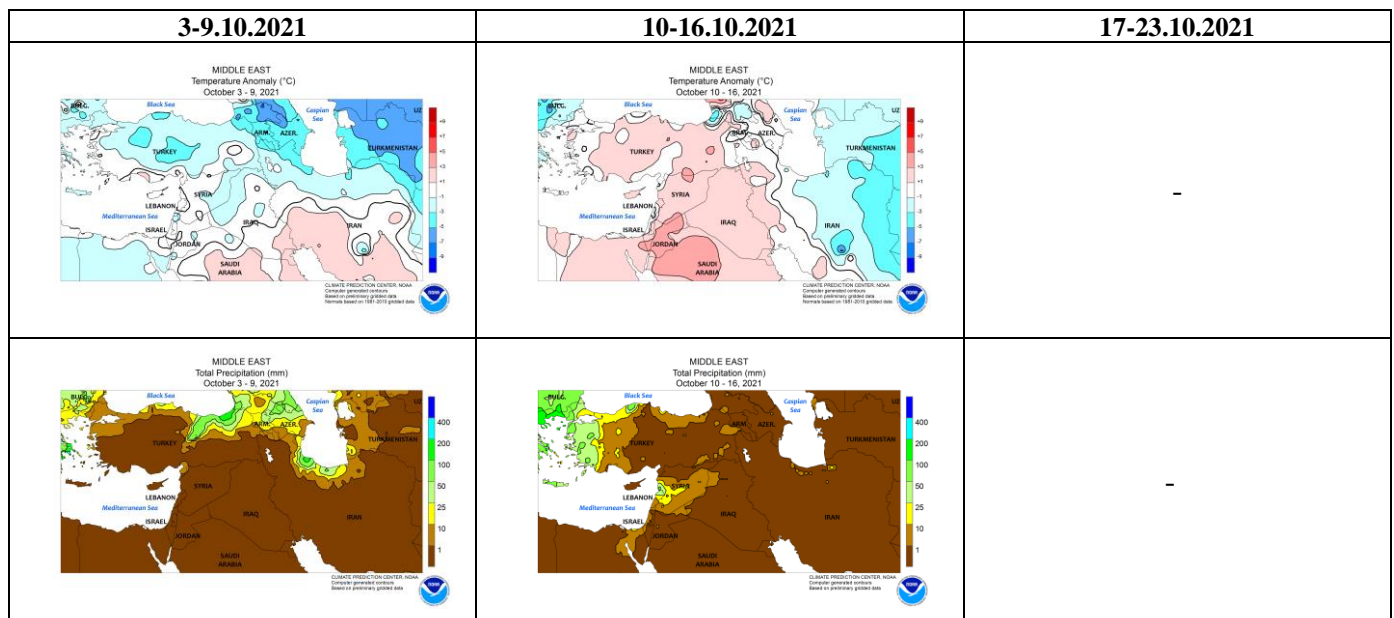


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

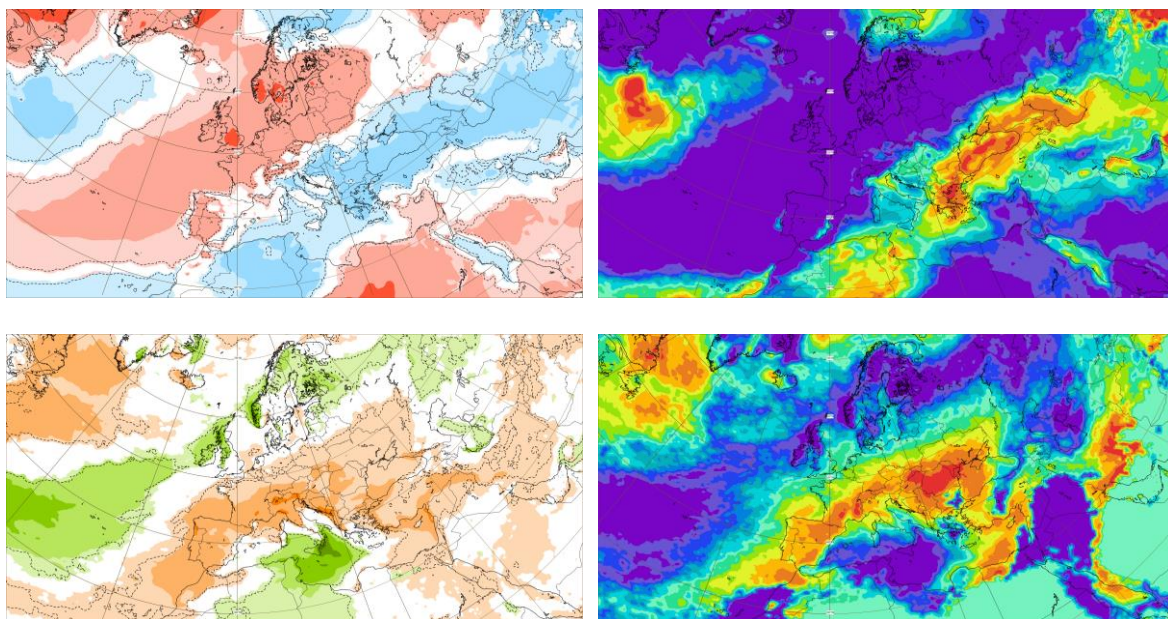


Figure 3. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 25.10–31.10.2021 period

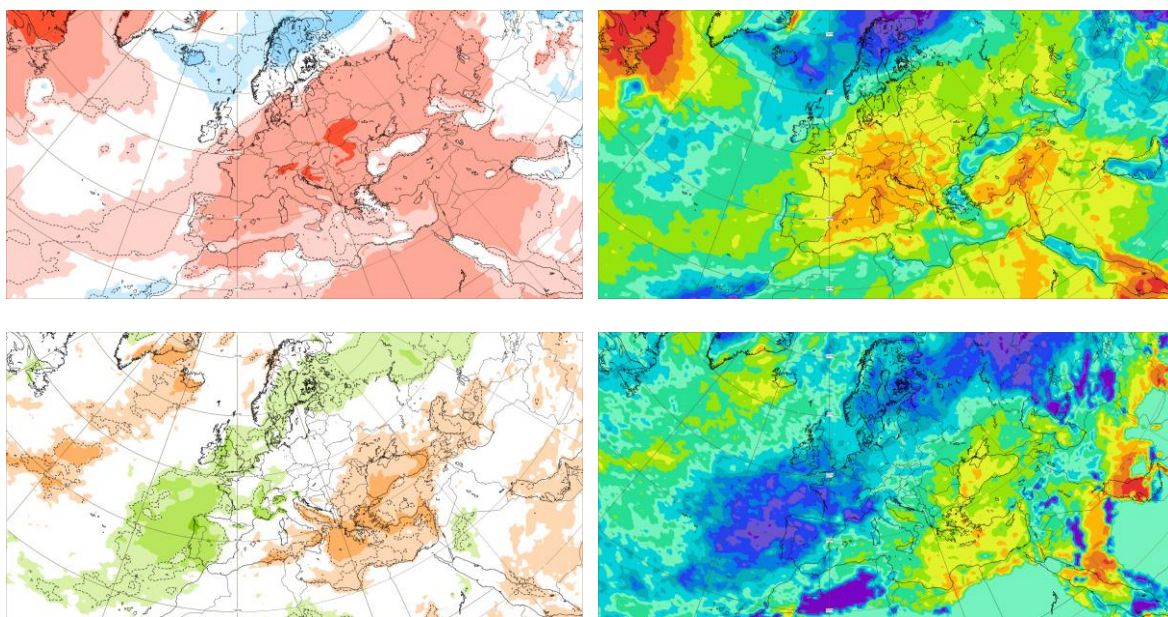


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 1.11–7.11.2021 period

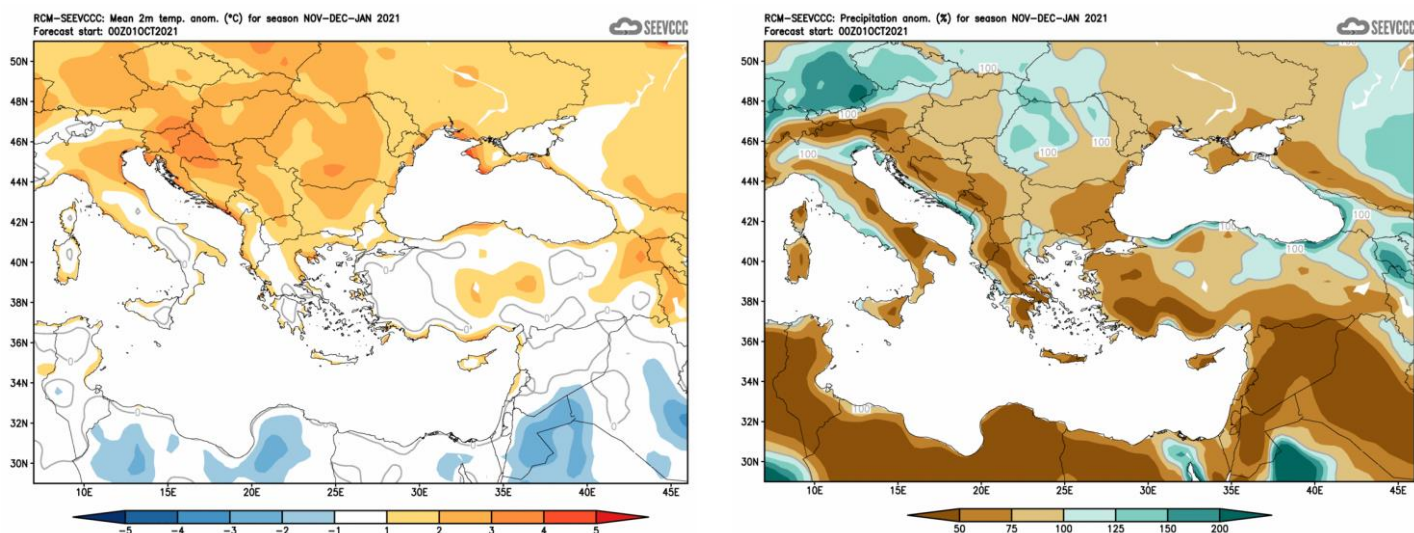


Figure 6. Mean seasonal temperature and precipitation anomaly for the season NDJ (seasonal outlook from RCM – SEEVCCC)

Sources

- Republic Hydrometeorological Service of Serbia (www.hidmet.gov.rs)
- South East European Virtual Climate Change Center (www.seevccc.rs)
- European 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/>)