

Climate Watch (Serial No.: 20211101–44)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

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Cancelled

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

Valid from – to: 1-11-2021 – 31-1-2022 Next amendment: 8-11-2021

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

„In the period from 25 to 31 October 2021, above normal mean weekly air temperature is predicted in most of the SEE region, with anomaly up to +3°C, in the northwestern Balkans, western Turkey and eastern Ukraine even up to +6°C, and up to 90% probability for exceeding upper tercile. Precipitation deficit is expected for most of the South Caucasus, eastern and central Turkey, as well as Eastern Mediterranean with up to 80% probability for exceeding lower tercile. Precipitation surplus is expected for the remainder of the region, with around 90% probability for exceeding upper tercile.“

Monitoring

During the period from 24 to 30 October 2021, precipitation sums were mostly up to 25 mm, in most of the southern Balkans, northern and parts of western Turkey they were around 50 mm, whereas southern Armenia received even more than 100 mm of precipitation.

Outlook

Within the first week (1 to 7 November 2021), ECMWF monthly forecast predicts above average air temperature in most of the SEE region, with anomaly up to +3°C, in the northwestern Balkans, western Turkey and eastern Ukraine, even up to +6°C and up to 90% probability for exceeding upper tercile. Precipitation deficit is expected for most of the South Caucasus, eastern and central Turkey, as well as Eastern Mediterranean with up to 80% probability for exceeding lower tercile. Precipitation surplus is expected for the remainder of the region, with around 90% probability for exceeding upper tercile

During the second week (8 to 15 November 2021), above average air temperature is expected in most of the SEE region, with anomaly up to +3°C, in most of Moldova, Ukraine, Turkey, as well as South Caucasus, and up to 80% probability for exceeding upper tercile. Precipitation deficit is expected for eastern Ukraine and Turkey, with around 70% probability for exceeding lower tercile. In rest of the region average rainfall is expected.

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

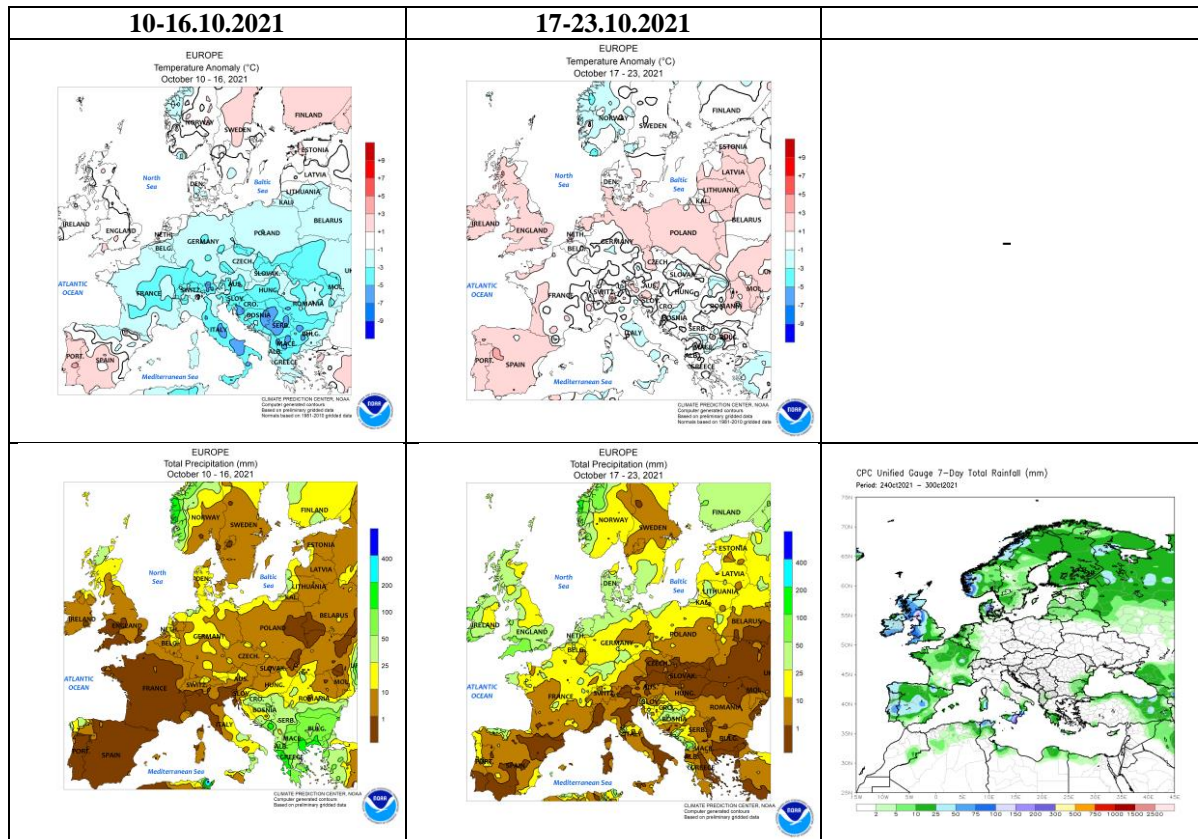


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

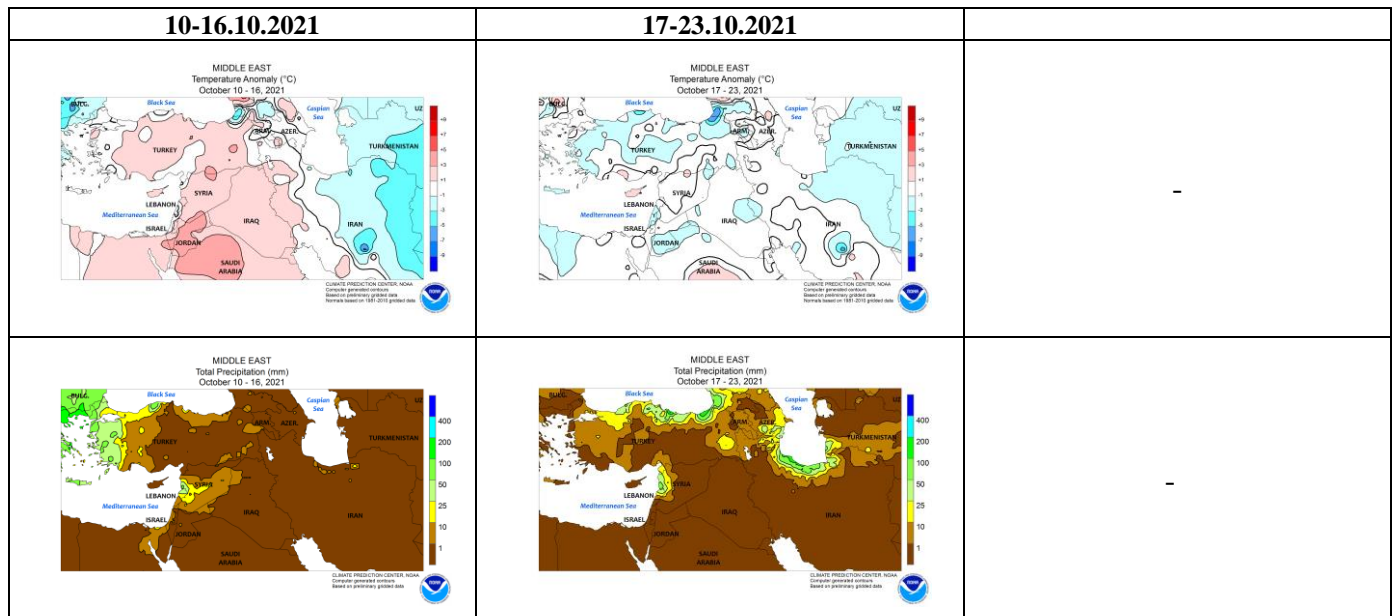


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

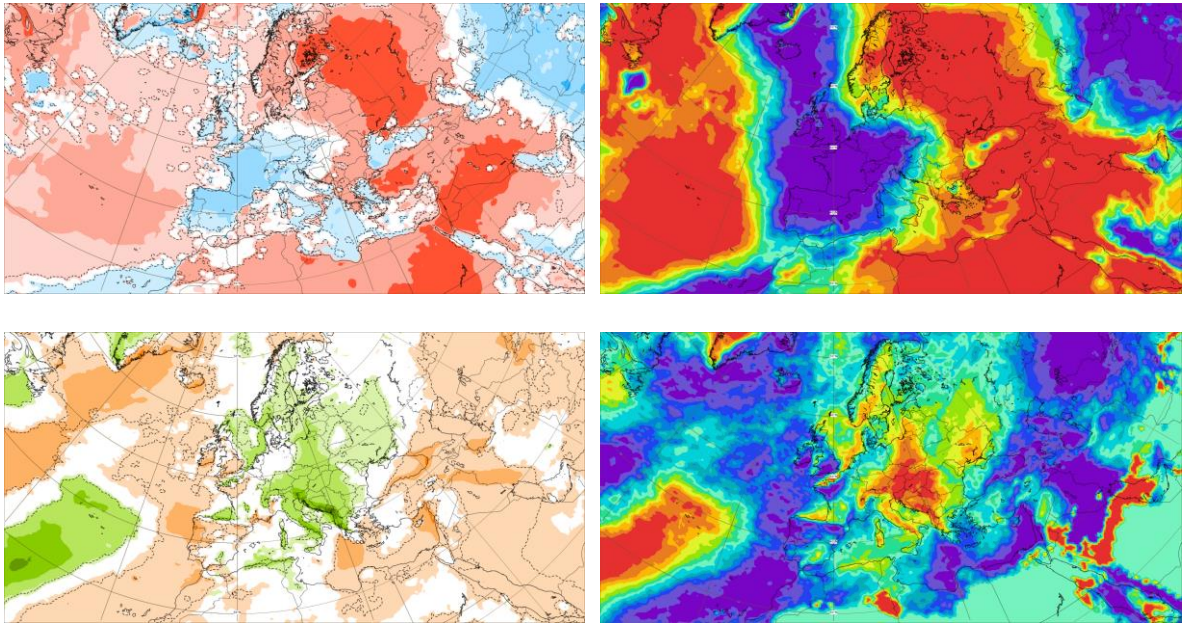


Figure 3. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 1.11–7.11.2021 period

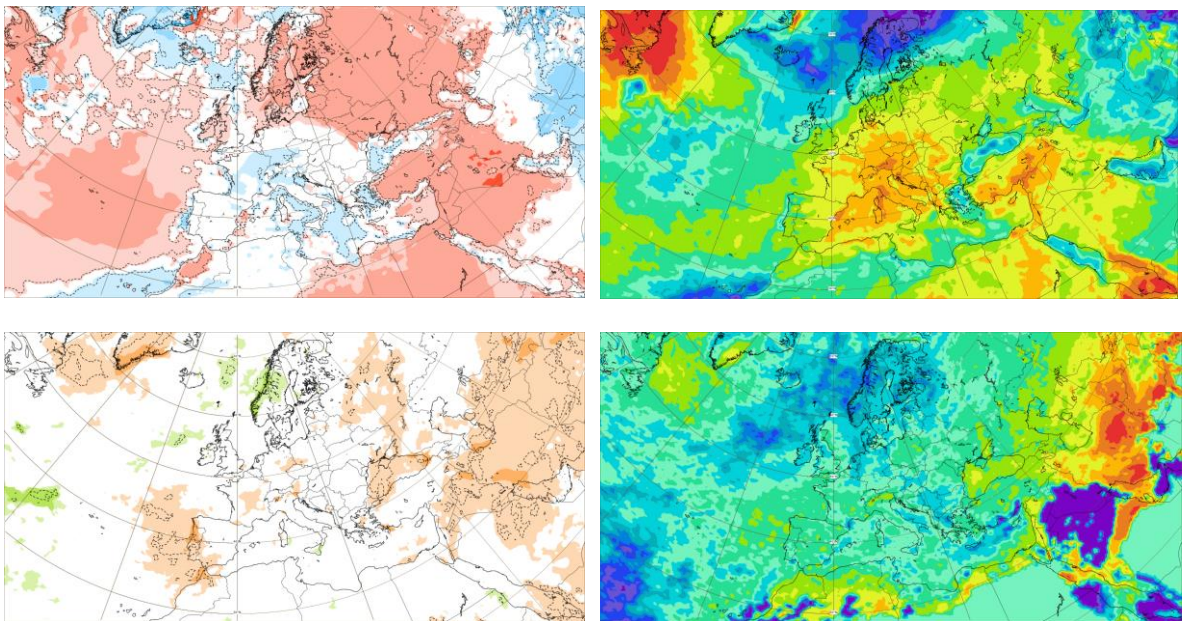


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 8.11–15.11.2021 period

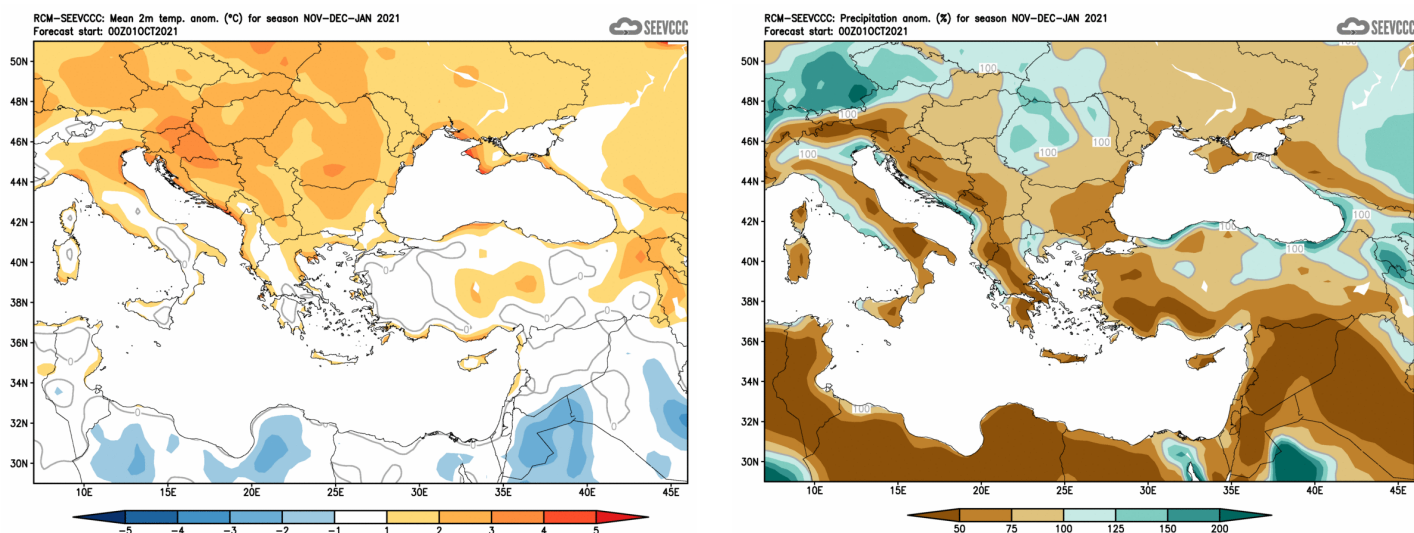


Figure 6. Mean seasonal temperature and precipitation anomaly for the season NDJ (seasonal outlook from RCM – SEEVCCC)

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/>)