

## Climate Watch (Serial No.: 20211018–42)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

Issued/ Amended / 18-10-2021 16:00 P.M.  
Cancelled

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Valid from – to: 18-10-2021 – 31-1-2022 Next amendment: 25-10-2021

Region of concern: **SEE region**

**„In the period from 18 to 25 October 2021, below normal mean weekly air temperature is predicted for the southern Balkans and Turkey, with anomaly up to  $-1^{\circ}\text{C}$  and around 60% probability for exceeding lower tercile. Precipitation deficit is expected for most of the region, with up to 80% probability for exceeding lower tercile.“**

### Monitoring

During the period from 10 to 16 October 2021, precipitation sums were up to 100 mm in most of the Balkans. In Greece and Montenegro weekly precipitation totals reached up to 200 mm.

## **Outlook**

Within the first week (18 to 25 October 2021), ECMWF monthly forecast predicts below normal mean weekly air temperature for the southern Balkans and Turkey, with anomaly up to  $-1^{\circ}\text{C}$  and around 60% probability for exceeding lower tercile. Precipitation deficit is expected for most of the region, with up to 80% probability for exceeding lower tercile.

During the second week (25 October to 1 November 2021), average air temperature is expected for most of the Balkans. Above normal air temperature is predicted for most of the Turkey, with anomaly up to  $+3^{\circ}\text{C}$ , and up to 80% probability for exceeding upper tercile. Precipitation deficit is expected for parts of the southern and western Balkans, most of Turkey and South Caucasus, with up to 70% probability for exceeding lower tercile. In rest of the region average precipitation sums are predicted.

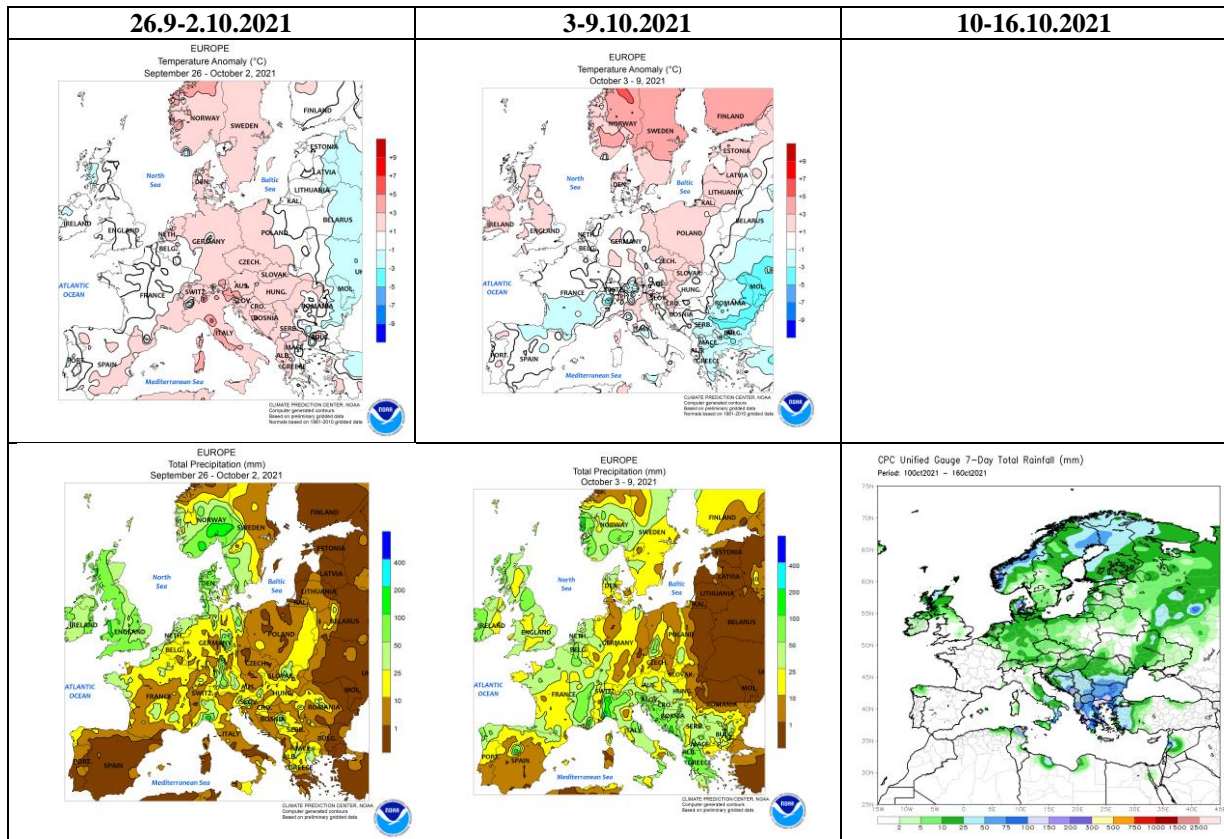
During the following three months (November, December and January) seasonal forecast predicts above normal seasonal air temperature for the northern and western parts of Balkans. Precipitation surplus is expected in the Carpathian Mountains, as well as along the coasts of Adriatic and southern Black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

## **Update**

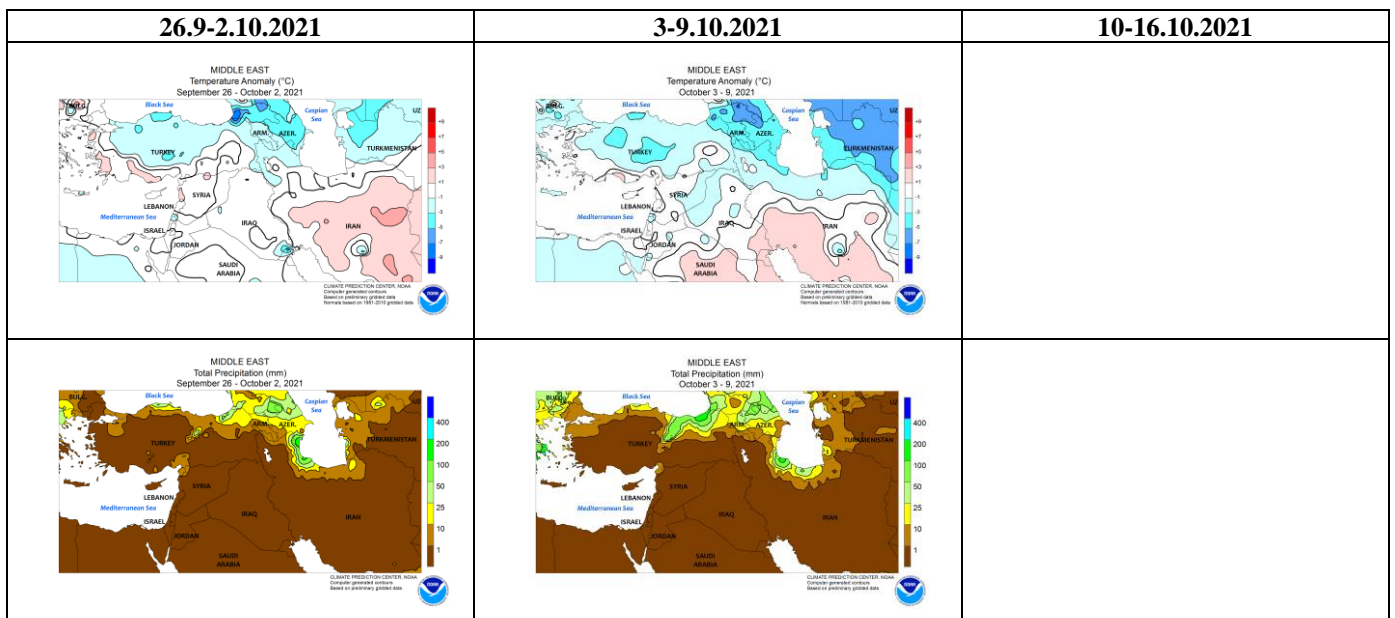
An updated statement will be issued on 25-10-2021

For further information please contact [cws-seevccc@hidmet.gov.rs](mailto:cws-seevccc@hidmet.gov.rs)

# ANNEX

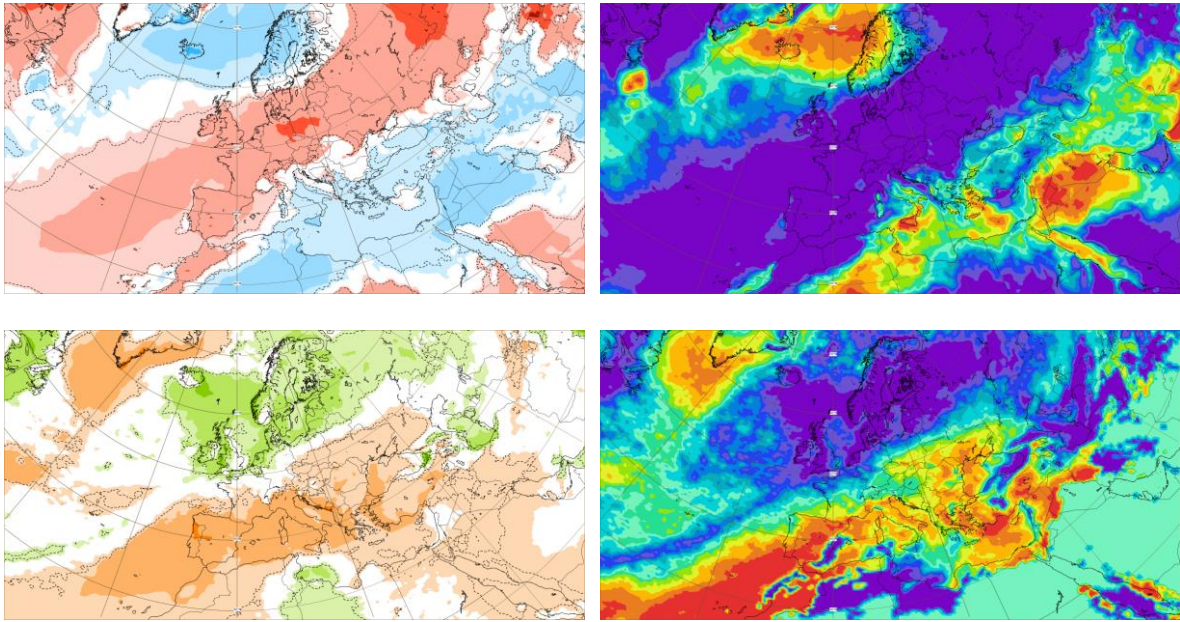


**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

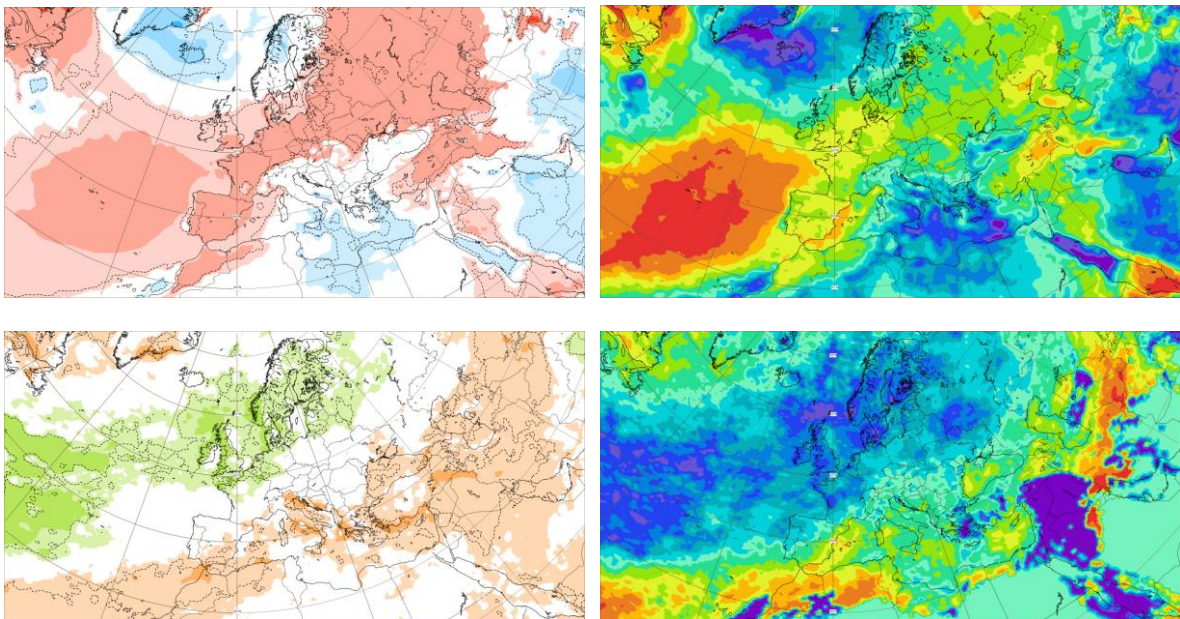


**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

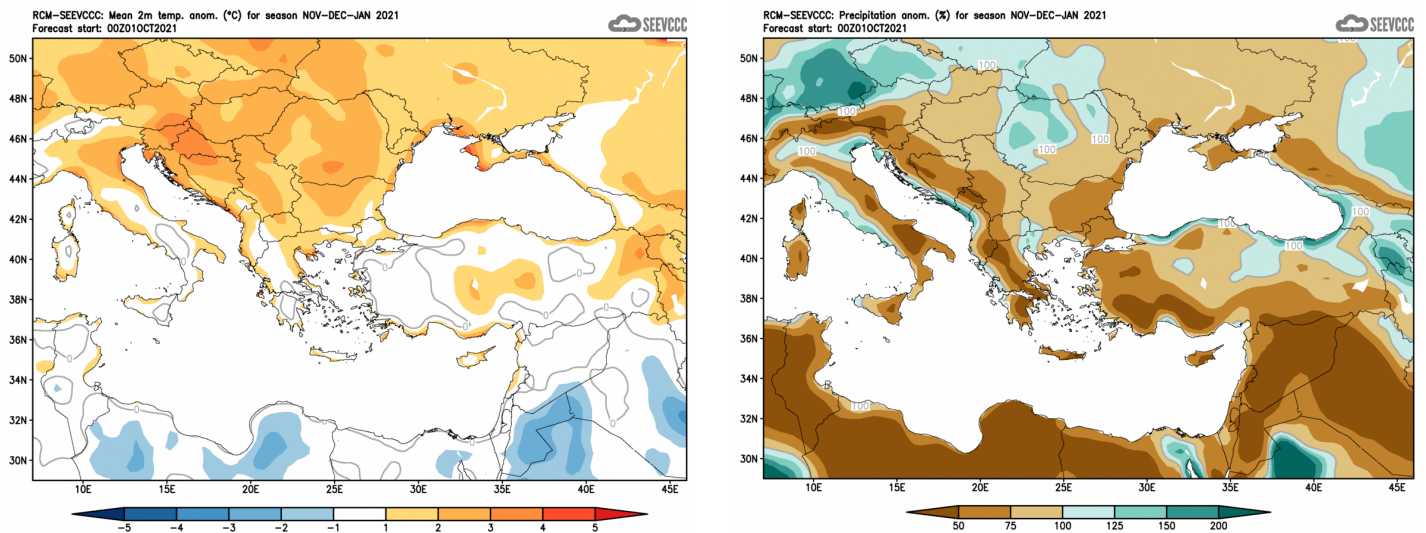




**Figure 3.** Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 18.10–25.10.2021 period



**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 25.10–1.11.2021 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](http://www.hidmet.gov.rs))
- South East European Virtual Climate Change Center ([www.seevccc.rs](http://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/>)