

## Climate Watch (Serial No.: 20211213–50)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing  
the statement: SEEVCCC

Issued/ Amended / 13-12-2021 16:00 P.M.  
Cancelled

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Valid from – to: 13-12-2021 – 28-2-2022 Next amendment: 20-12-2021

Region of concern: **Balkans, Turkey**

**„Within the first week (13 to 20 December 2021), ECMWF monthly forecast predicts precipitation surplus for some locations of the eastern Balkans, Moldova, most of Ukraine and Turkey, with around 80% probability for exceeding upper tercile. Precipitation deficit is expected for the southern Balkans, along Adriatic coast, as well as eastern Turkey with up to 90% probability for exceeding lower tercile. “**

### Monitoring

During the period from 5 to 12 December 2021, precipitation sums were up to 50 mm in most of the region, with the exception of Montenegro, Albania, Greece and western Turkey where precipitation totals were up to 200 mm.

## **Outlook**

Within the first week (13 to 20 December 2021), ECMWF monthly forecast predicts above average air temperature for most of the Balkans, Moldova, Turkey and South Caucasus with anomaly ranging from +3°C up to +6°C in eastern Ukraine and Middle East and up to 90% probability for exceeding upper tercile. Below normal mean weekly air temperature is predicted for the southern Balkans and Aegean Sea, with anomaly up to -3°C and up to 90% probability for exceeding lower tercile. Precipitation surplus is expected for some locations of eastern Balkans, Moldova, most of Ukraine and Turkey, with around 80% probability for exceeding upper tercile. Precipitation deficit is expected for the southern Balkans, along Adriatic coast, as well as eastern Turkey with up to 90% probability for exceeding lower tercile.

During the second week (20 to 27 December 2021), below average air temperature is expected in most of the SEE region, with anomaly up to -3°C and up to 80% probability for exceeding lower tercile. Precipitation deficit is expected for almost the entire SEE region, with up to 70% probability for exceeding lower tercile.

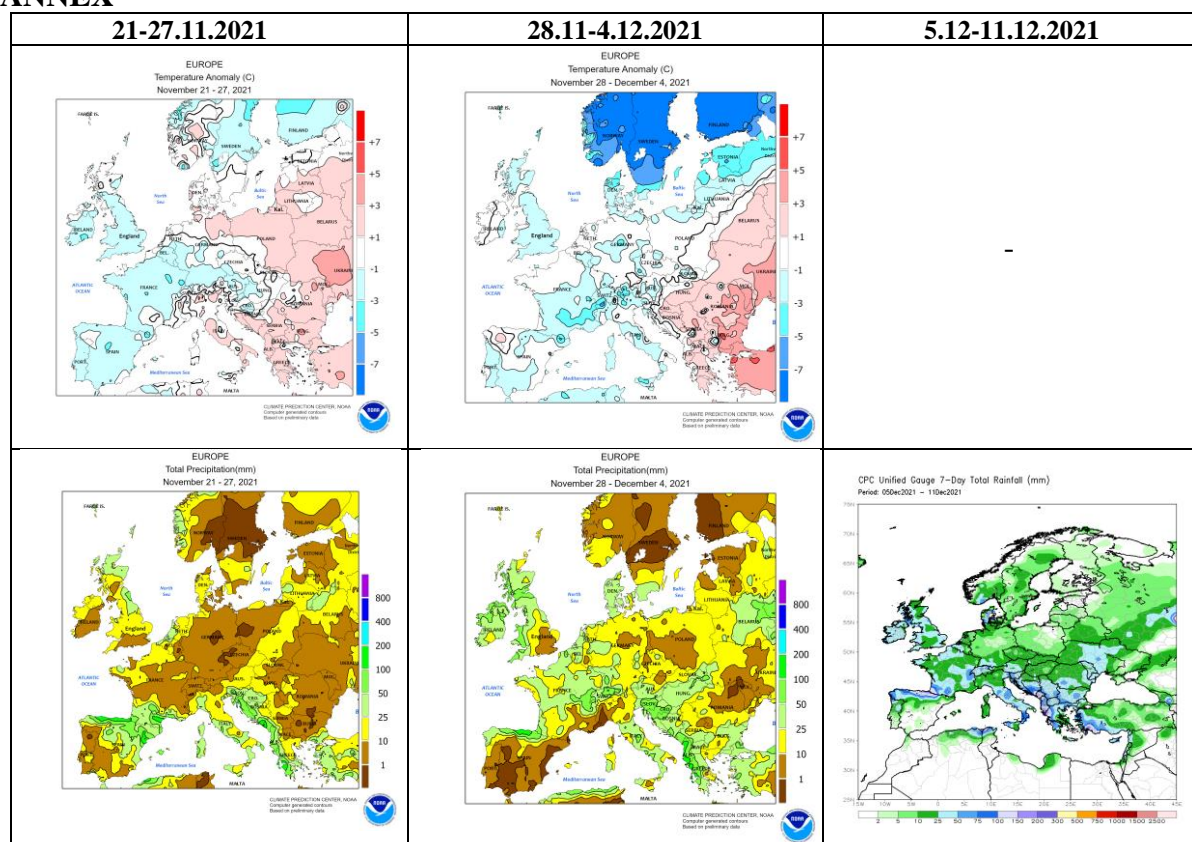
During the following three months (December, January and February) seasonal forecast predicts above normal seasonal air temperature for the northern and western parts of Balkans. Precipitation surplus is expected in the Carpathian Mountains, as well as along the coasts of Adriatic and southern Black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

## **Update**

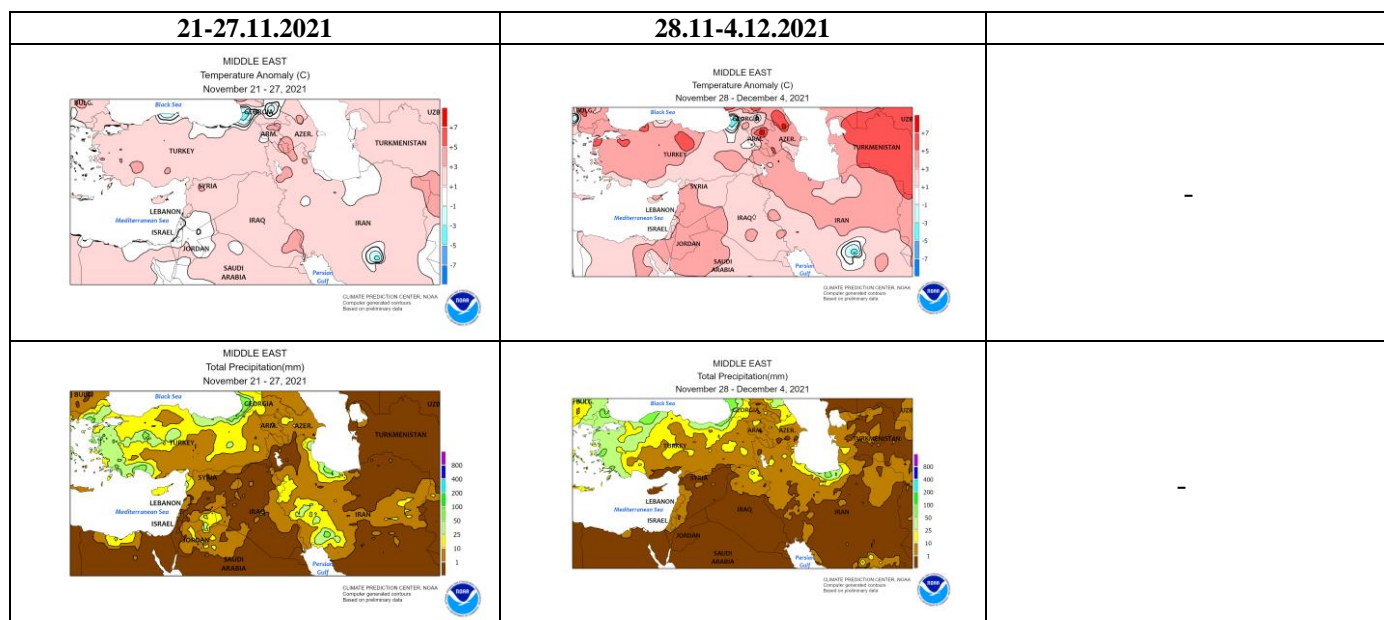
An updated statement will be issued on 20-12-2021

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

## ANNEX

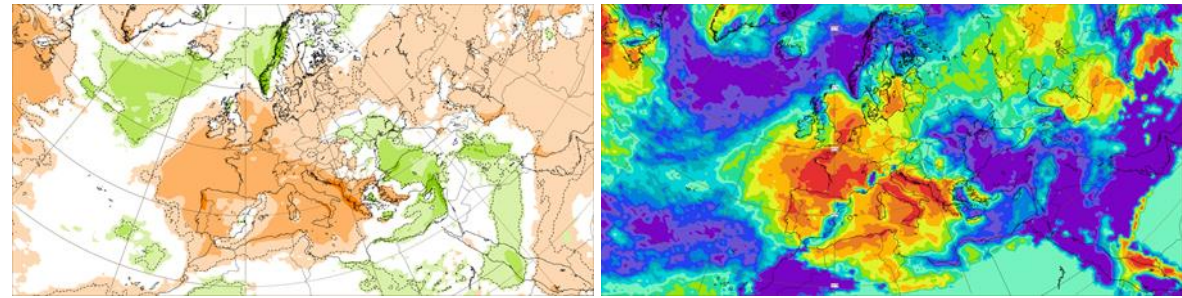
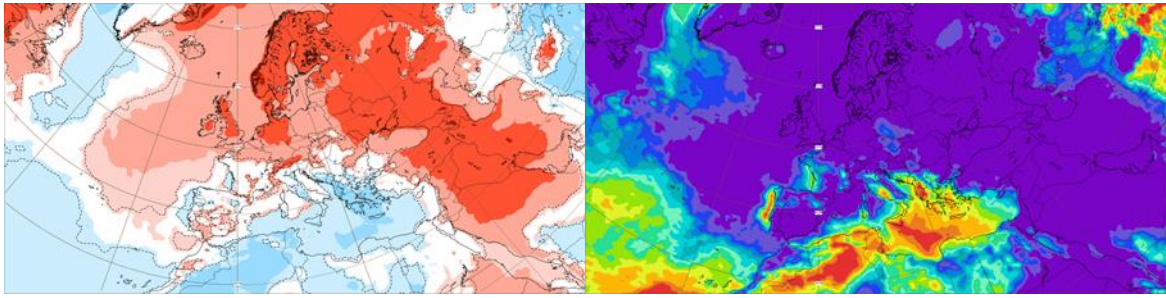


**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

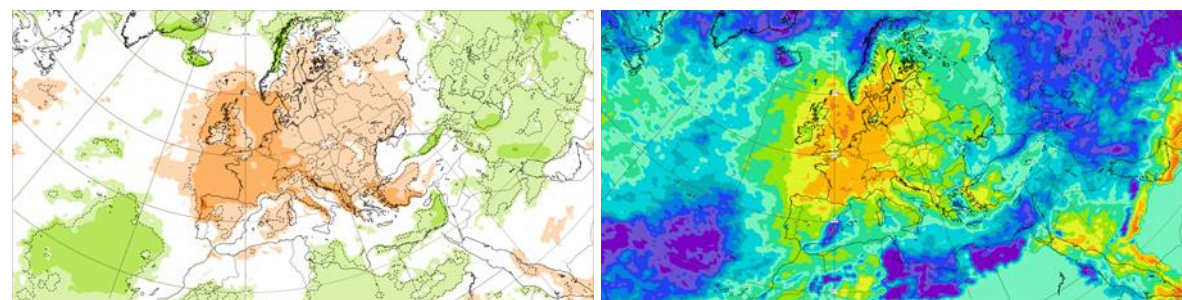
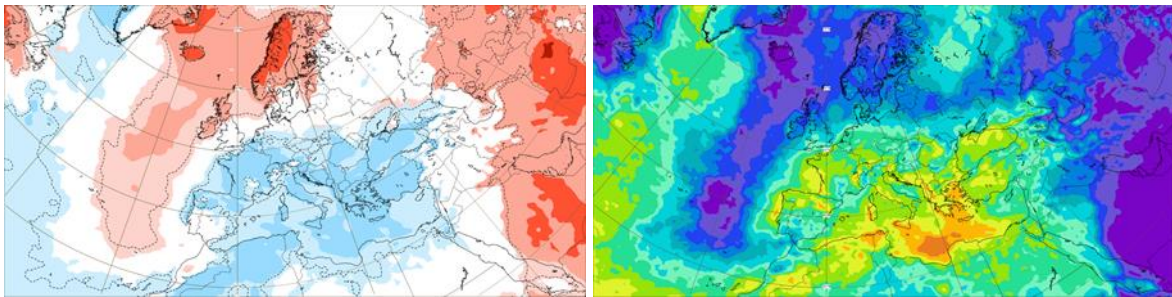


**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

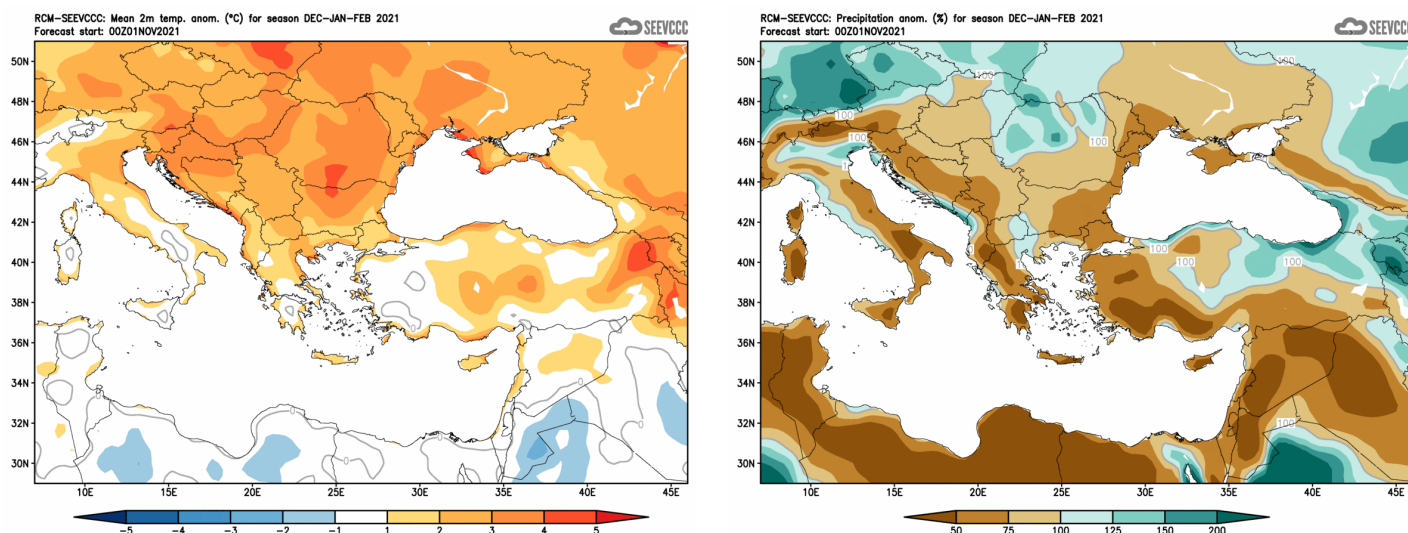




**Figure 3.** Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 13–20.12.2021 period



**Figure 4.** 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 20–27.12.2021 period



**Figure 6.** Mean seasonal temperature and precipitation anomaly for the season DJF (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/>)