

## Climate Watch (Serial No.: 20210920–38)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

Issued/ Amended / 20-9-2021 16:00 P.M.  
Cancelled

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Valid from – to: 20-9-2021 – 31-12-2021 Next amendment: 27-9-2021

Region of concern: **Ukraine, Moldova and western Balkans**

**„In the period from 20 to 26 September 2021, below normal mean weekly air temperature is expected in Ukraine and Moldova, with anomaly up to  $-6^{\circ}\text{C}$  and up to 90% probability for exceeding lower tercile. Precipitation surplus is expected along the Adriatic coast, eastern Ukraine and southern Moldova, with up to 80% probability for extending upper tercile.“**

### Monitoring

During the period from 12 to 18 September 2021, precipitation sums were below 25 mm in most of the region, while in central Ukraine, western Georgia, central and northeastern Turkey weekly totals were up to 50 mm, and up to 100 mm in northwestern Balkans and western Ukraine.

## **Outlook**

Within the first week (20 to 26 September 2021), ECMWF monthly forecast predicts above normal mean weekly air temperature for the southern Balkans, Cyprus, southwestern Turkey and Israel, with up to +3°C anomaly and up to 90% probability for exceeding upper tercile. Below normal temperature is expected in Ukraine and Moldova, with anomaly up to –6°C and up to 90% probability for exceeding lower tercile. Precipitation surplus is expected along the Adriatic coast, eastern Ukraine and southern Moldova, with up to 80% probability for extending upper tercile.

During the second week (27 September to 3 October 2021), above average mean weekly air temperature is predicted for the Adriatic and Ionian Sea coasts, as well as southern Turkey, with anomaly up to +3°C, and up to 70% probability for exceeding upper tercile. Precipitation deficit is expected for most of the region, with up to 90% probability for extending lower tercile in southeastern Aegean Sea and Turkey.

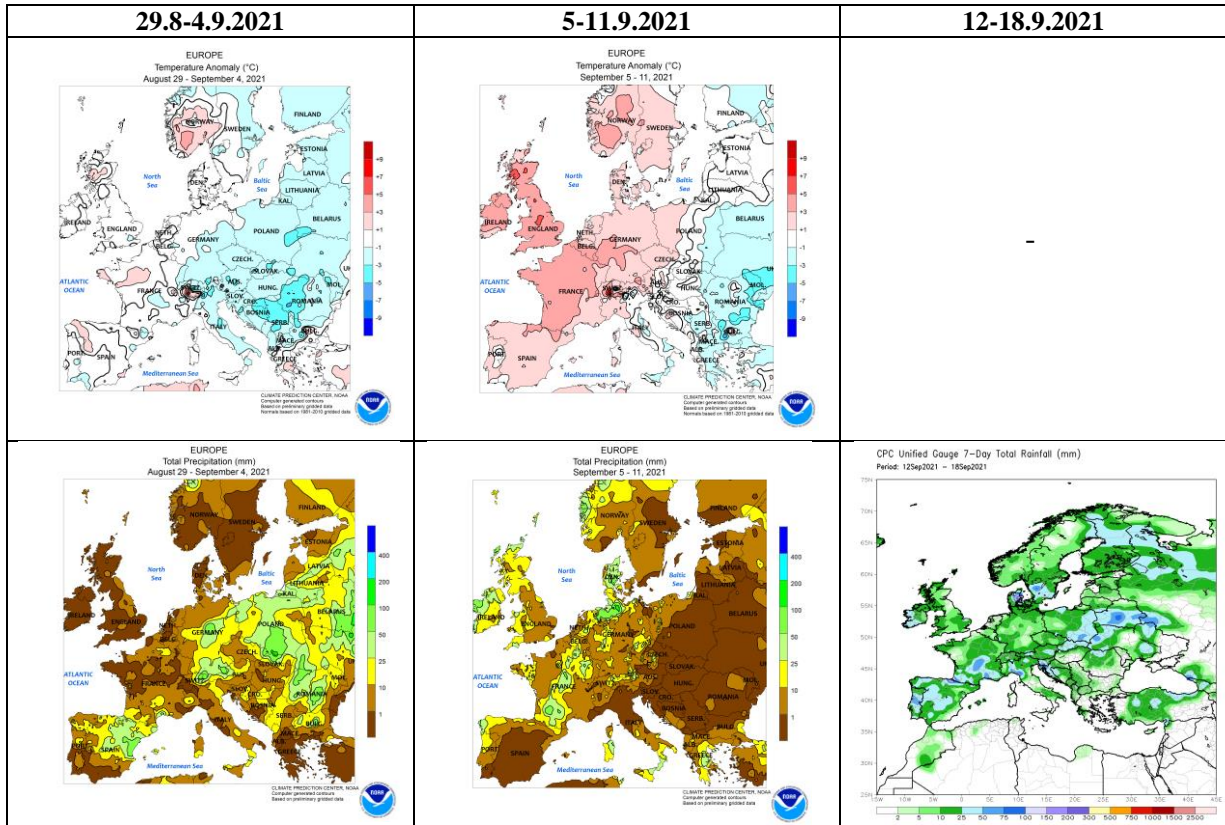
During the following three months (October, November and December) seasonal forecast predicts above normal seasonal air temperature for northwestern Balkans. Precipitation surplus is expected in the Carpathian Mountains, as well as along the coasts of Adriatic and southern Black Sea. Precipitation deficit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

## **Update**

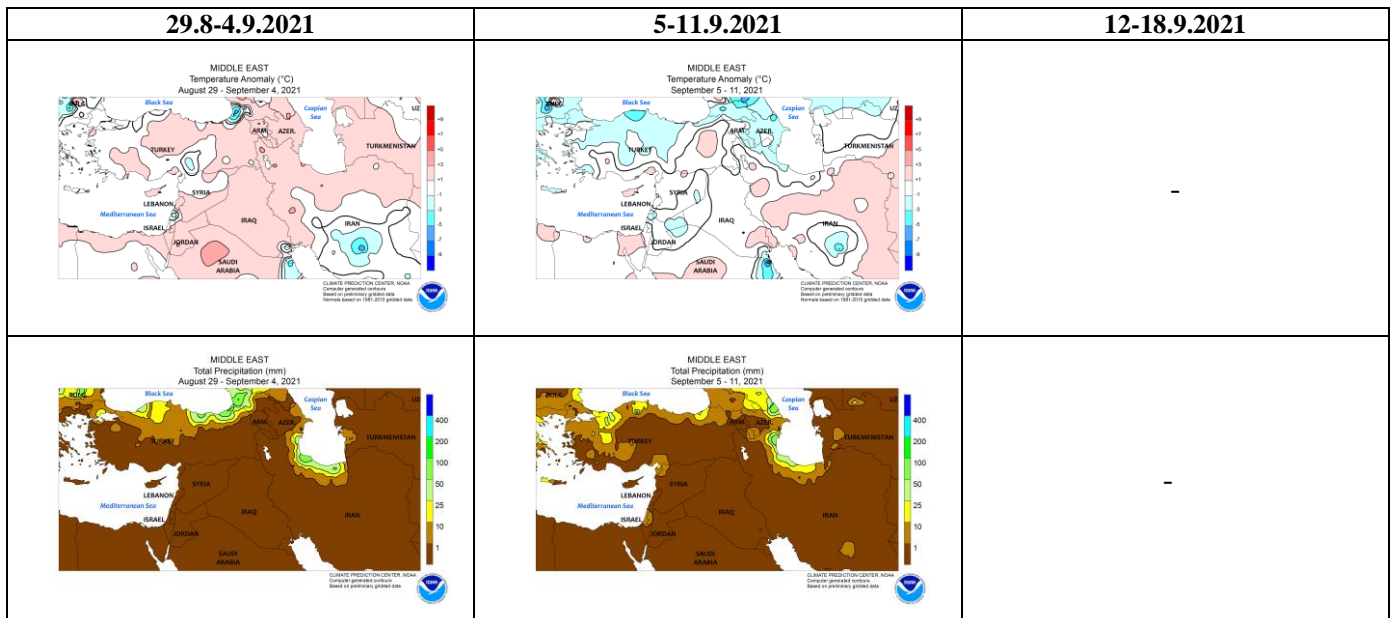
An updated statement will be issued on 27-9-2021

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

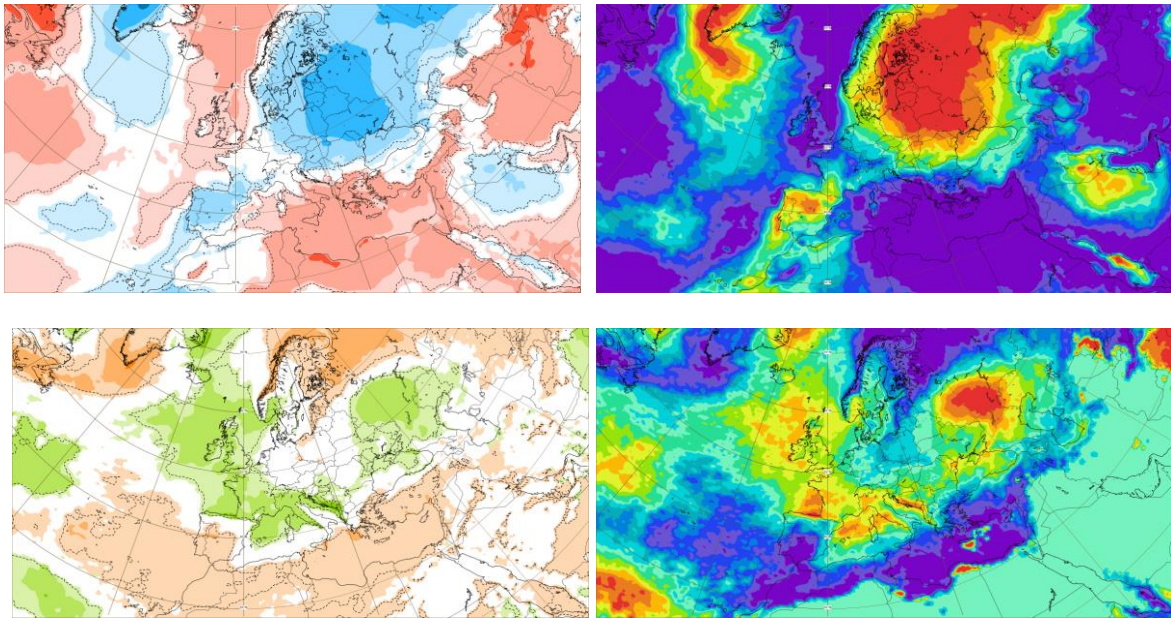
**ANNEX**



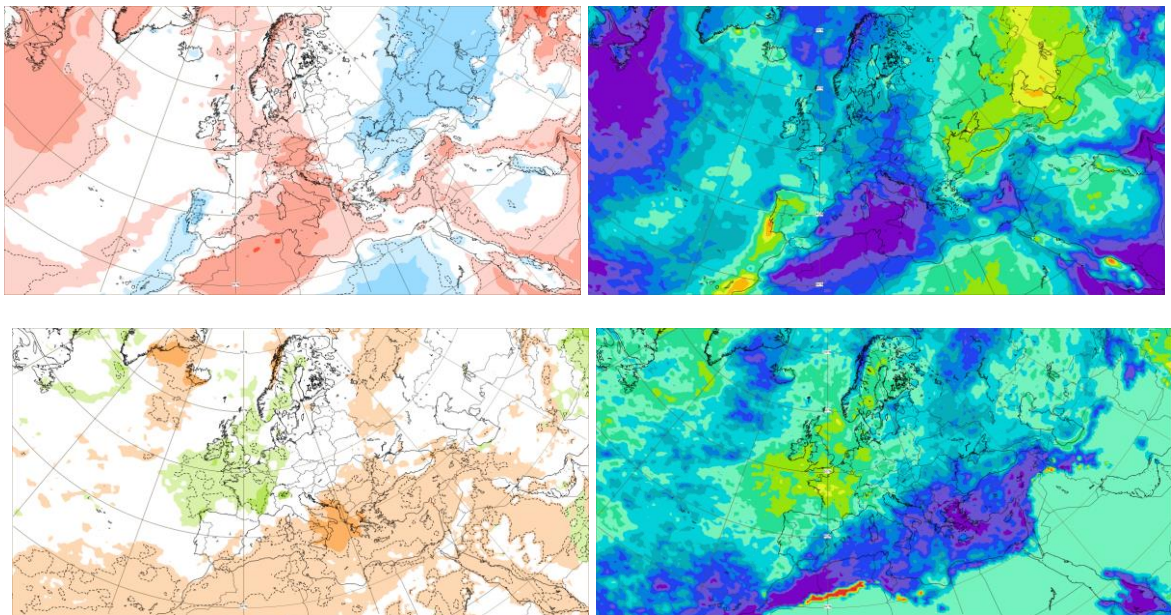
**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



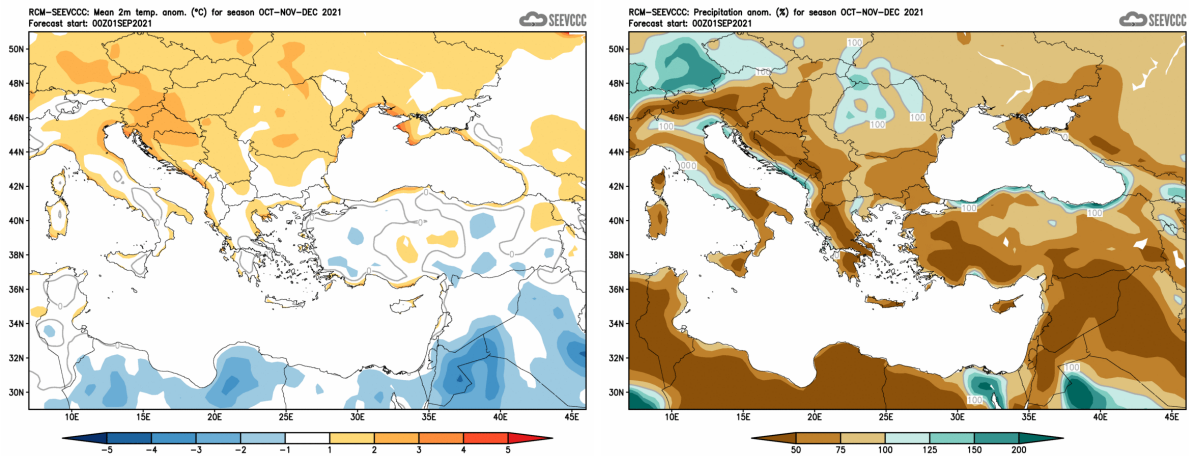
**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



**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 upper tercile (lower row) for the 20.9–26.9.2021 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 upper tercile (lower row) for the 27.9–3.10.2021 period



**Figure 6.** 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](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/>)