

Climate Watch (Serial No.: 20210906–36)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 6-9-2021 16:00 P.M.

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Valid from – to: 6-9-2021 – 30-11-2021 Next amendment: 13-9-2021

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

„In the period from 6 to 12 Septembre 2021, below normal mean weekly air temperature is forecasted for most of the region, with up to –6°C anomaly in Ukraine and central Turkey and up to 90% probability for exceeding lower tercile. Above normal temperature is expected in southeastern Turkey, with anomaly up to +3°C and up to 80% probability for exceeding upper tercile. Precipitation deficit is expected in most of the Balkans and Ukraine, with up to 90% probability for extending lower tercile in the western Balkans.“

Monitoring

During the period from 29 August to 4 Septembre 2021, precipitation sums were below 25 mm in most of the region, but with around 50 mm weekly totals in Romania and central Ukraine, and around 100 mm in Montenegro, Georgia and northeastern Turkey.

Outlook

Within the first week (6 to 12 September 2021), ECMWF monthly forecast predicts below normal mean weekly air temperature for most of the region, with up to -6°C anomaly in Ukraine and central Turkey and up to 90% probability for exceeding lower tercile. Above normal temperature is expected in southeastern Turkey, with anomaly up to $+3^{\circ}\text{C}$ and up to 80% probability for exceeding upper tercile. Precipitation deficit is expected in most of the Balkans and Ukraine, with up to 90% probability for extending lower tercile in the western Balkans.

During the second week (13 to 19 September 2021), above average mean weekly air temperature is predicted for northwestern Balkans, with anomaly up to $+3^{\circ}\text{C}$, and up to 80% probability for exceeding upper tercile. Below normal temperature is expected in Georgia, Armenia, northern and central Turkey, with anomaly up to -3°C and up to 70% probability for exceeding lower tercile. Precipitation deficit is expected in the Balkans, Ukraine and western Turkey with around 70% probability for extending lower tercile in western Turkey. Precipitation surplus is forecasted in Georgia and northeastern Turkey with up to 60% probability for extending upper tercile.

During the following three months (September, October and November) seasonal forecast predicts above normal seasonal air temperature for most of the Balkans, as well as Ukraine, while for most of Turkey, Middle East and South Caucasus below seasonal air temperature is expected. Precipitation surplus is expected in Carpathian Mountains, northernmost Turkey and South Caucasus region. Precipitation deficit is predicted for most of the Balkans, Pannonian Plain, Moldova, Ukraine, Cyprus and most of Turkey.

Update

An updated statement will be issued on 13-9-2021

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

ANNEX

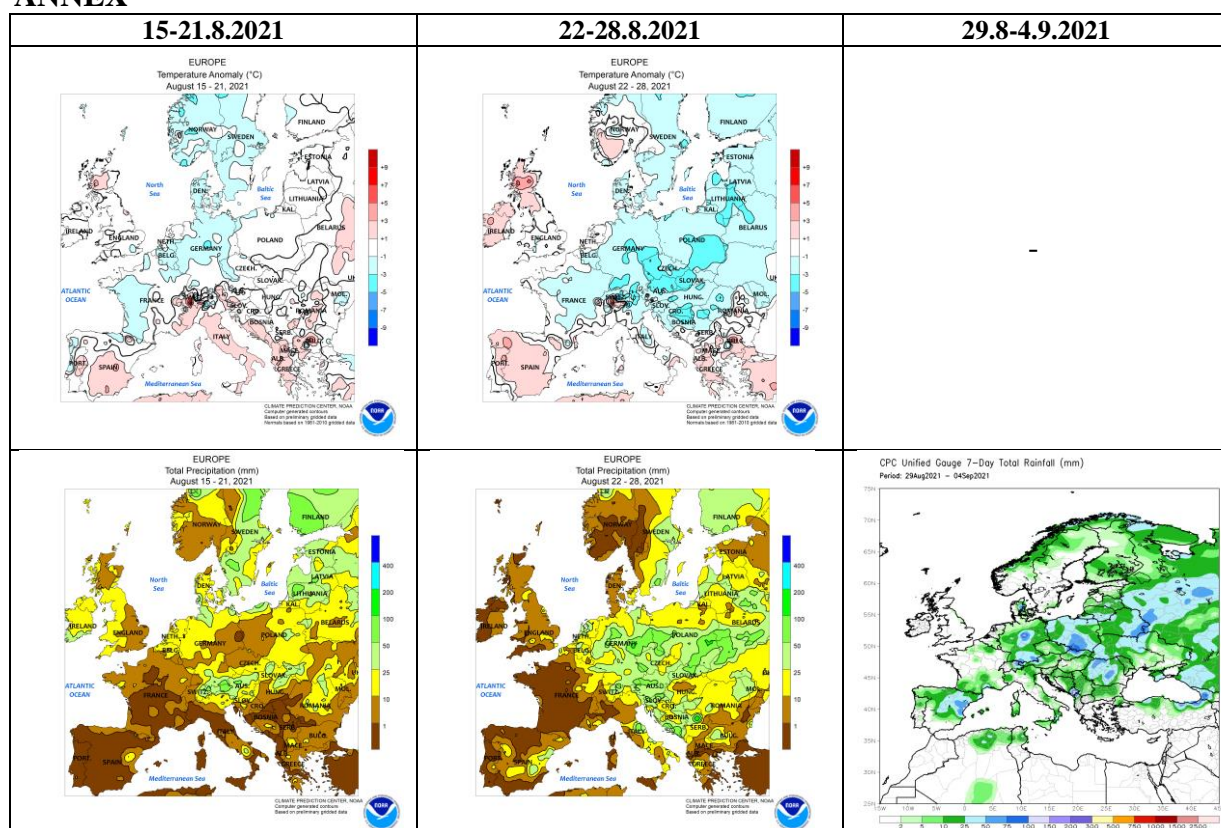


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

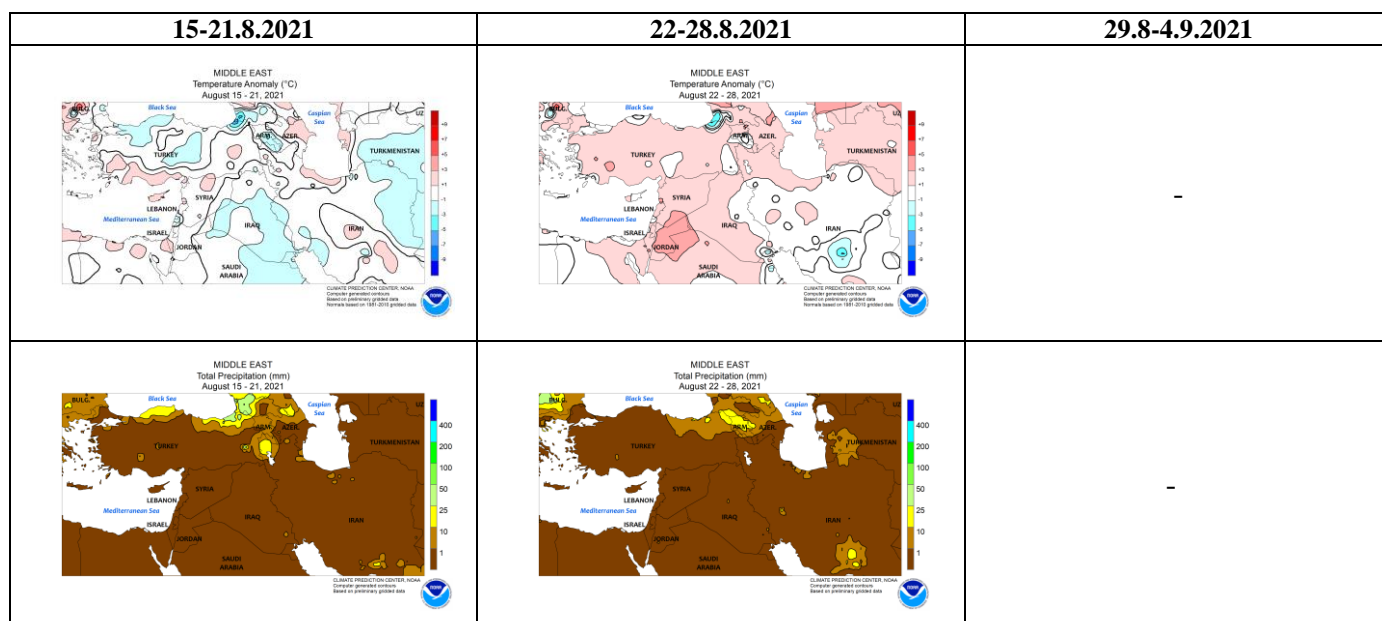


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

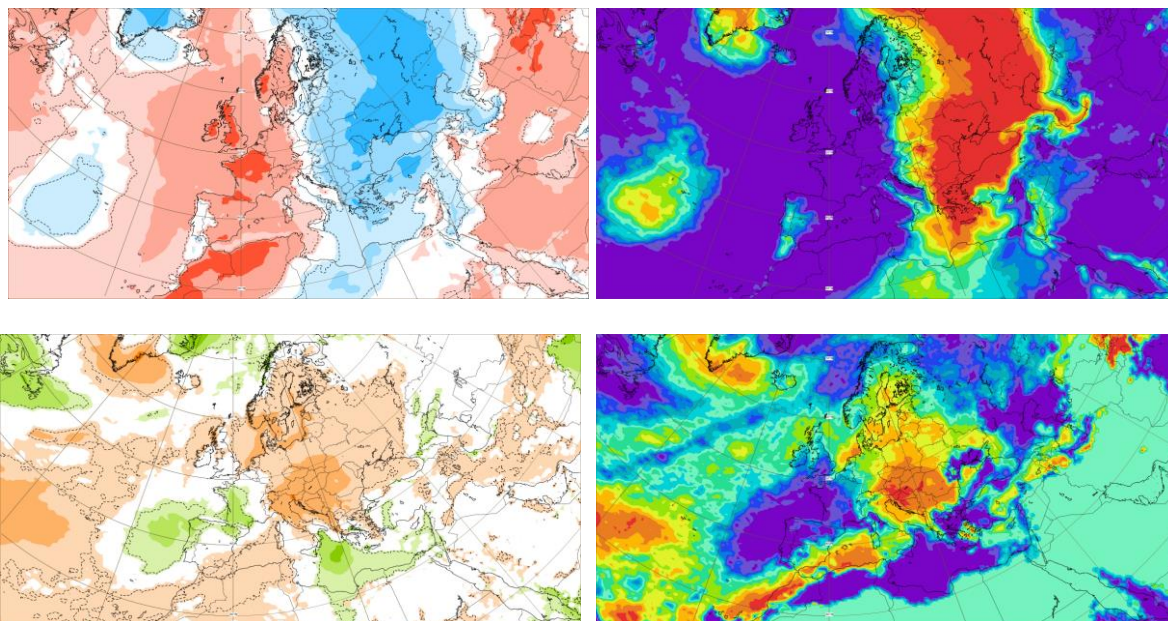


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 6.9–12.9.2021 period

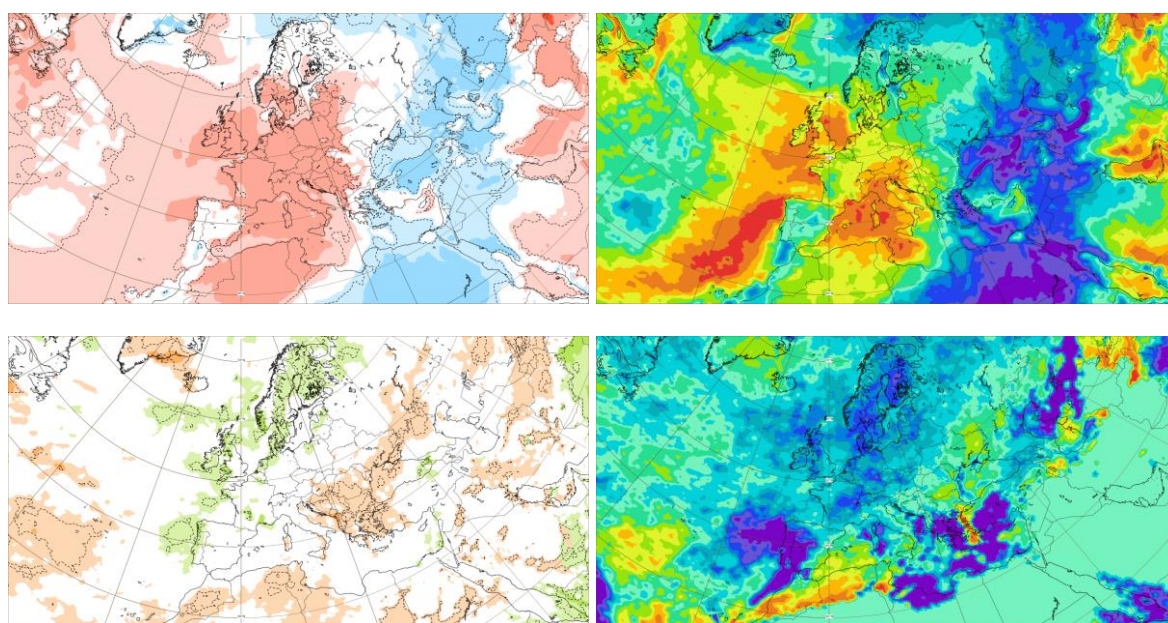


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 13.9–19.9.2021 period

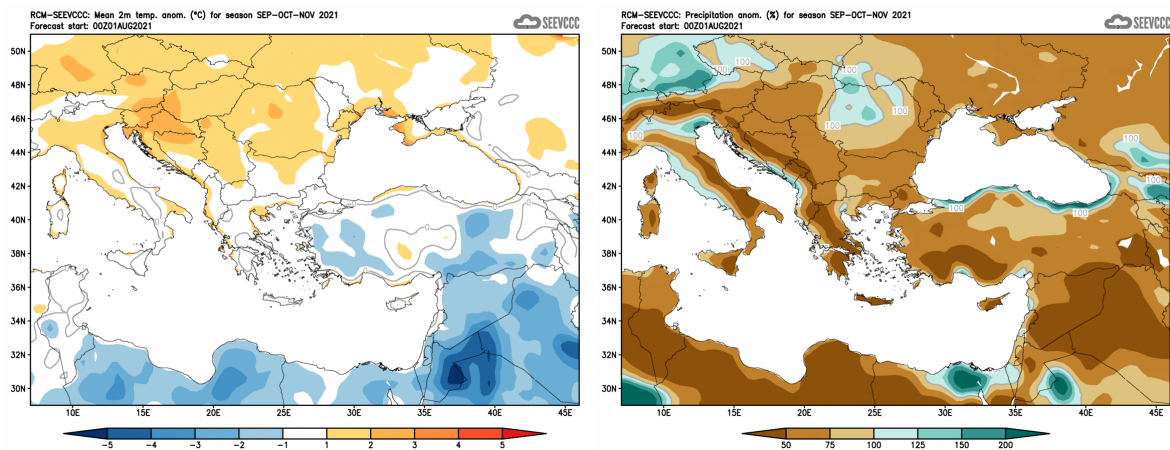


Figure 6. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook from RCM – SEEVCCC)

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/>)