

Climate Watch (Serial No.: 20210823–34)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

Issued/ Amended / 16-8-2021 16:00 P.M.
Cancelled

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Valid from – to: 23-8-2021 – 30-11-2021 Next amendment: 30-8-2021

Region of concern: **SEE**

„In the period from 16 to 23 August 2021, above normal mean weekly air temperature is expected for most of south Balkans, Cyprus, most of Turkey and South Caucasus with anomaly up to +3°C. Probability for exceeding upper tercile is up to 90%. Below normal temperature is expected in most of western Balkans, parts of central and eastern Balkans, as well as Moldova and Ukraine with anomaly up to -3°C. Probability for exceeding lower tercile is up to 80%. Precipitation surplus is predicted for the western Balkans, parts of the central and eastern Balkans, as well as Moldova and Ukraine with up to 90% probability for extending upper tercile. Precipitation deficit is expected in most of the southern Balkans, along Aegean Sea as well as Cyprus, western Turkey and South Caucasus with up to 90% probability for extending lower tercile. “

Monitoring

During the period from 15 to 22 August 2021, in most of the region weekly precipitation sums were below 25 mm. In some parts of the eastern Balkans as well as in some parts of Ukraine during the previous week they had precipitation amounts of 50 mm. In the northernmost Turkey, precipitation sums up to 150 mm were recorded.

Outlook

Within the first week (23 to 30 August 2021), ECMWF monthly forecast predicts above normal mean weekly air temperature for most of south Balkans, Cyprus, most of Turkey and South Caucasus with anomaly up to +3°C. Probability for exceeding upper tercile is up to 90%. Below normal temperature is expected in most of western Balkans, parts of central and eastern Balkans, as well as Moldova and Ukraine with anomaly up to -3°C. Probability for exceeding lower tercile is up to 80%. Precipitation surplus is predicted for the western Balkans, parts of the central and eastern Balkans, as well as Moldova and Ukraine with up to 90% probability for extending upper tercile. Precipitation deficit is expected in most of the southern Balkans, along Aegean Sea as well as Cyprus, western Turkey and South Caucasus with up to 90% probability for extending lower tercile.

During the second week (31 August to 6 September 2021), above average mean weekly air temperature is predicted for south Balkans, south and east Turkey and Middle East with anomaly up to +3°C, and up to 90% probability for exceeding upper tercile. Below normal temperature is expected in Moldova and Ukraine with anomaly up to -3°C and probability for exceeding lower tercile up to 70%. Precipitation deficit is expected in most of the southern Balkans, Cyprus, and most of Turkey with around 90% probability for extending lower tercile. Average precipitation sums are expected for most of the region.

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 30-8-2021

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

ANNEX

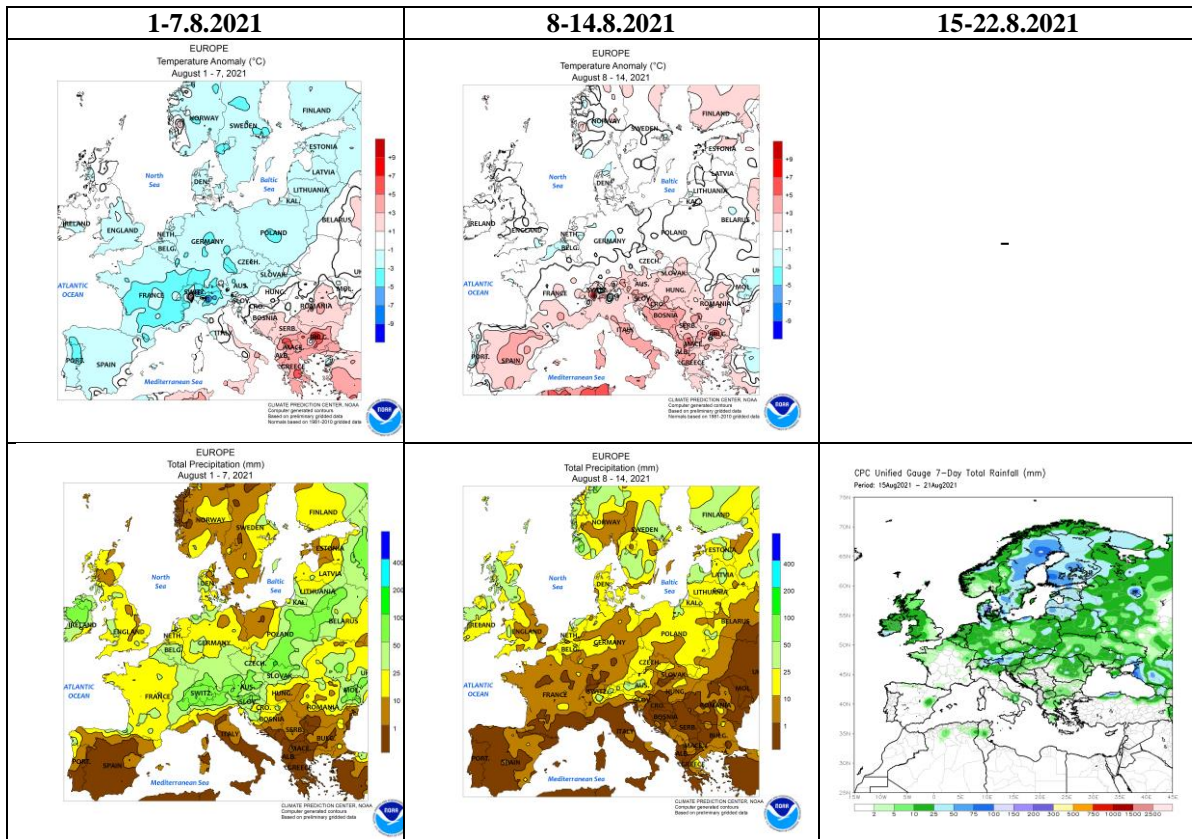


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

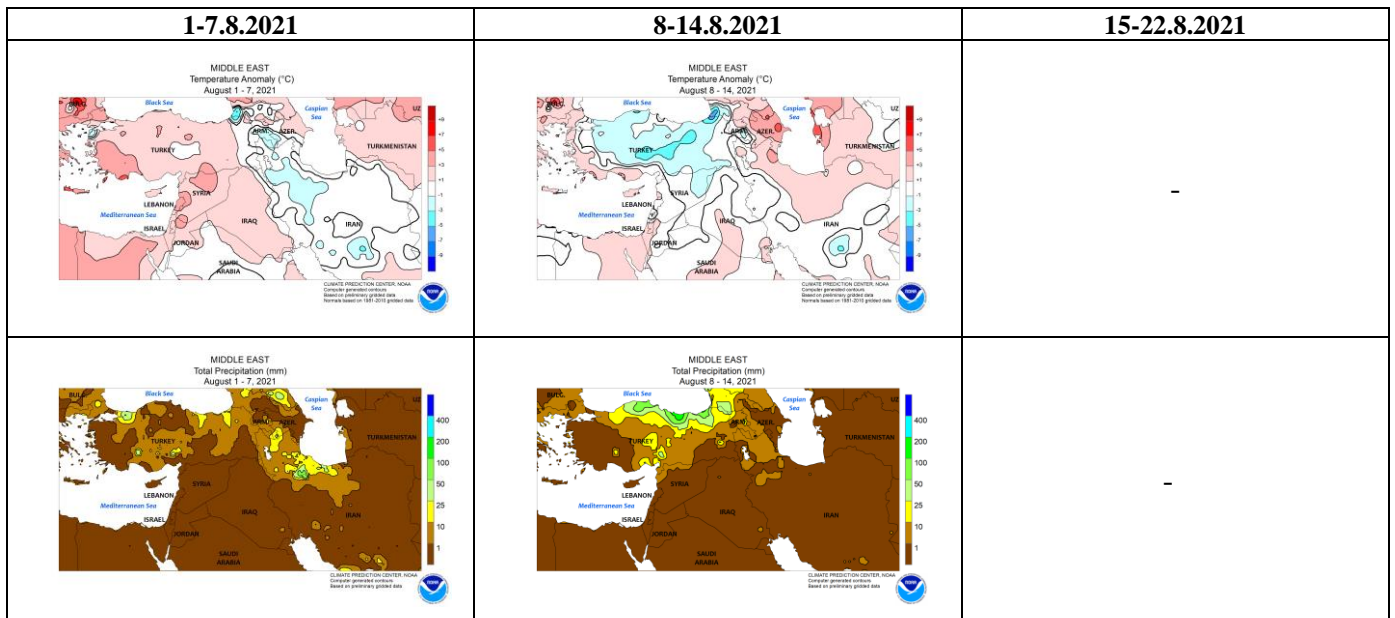


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

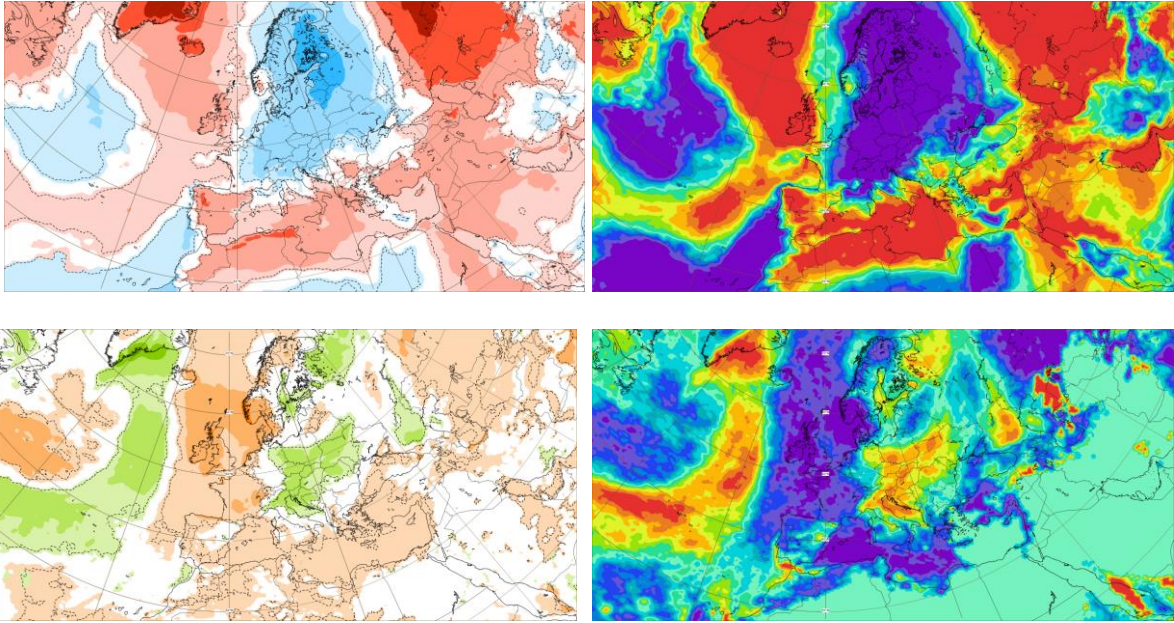


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 23.8–30.8.2021 period

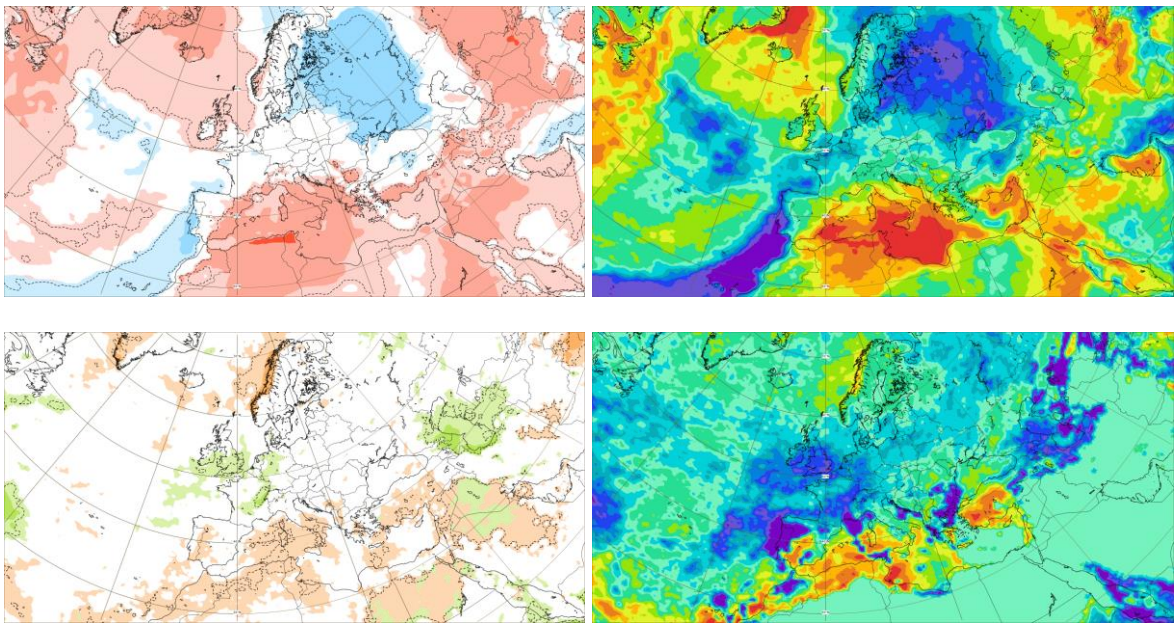


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 31.8–6.9.2021 period

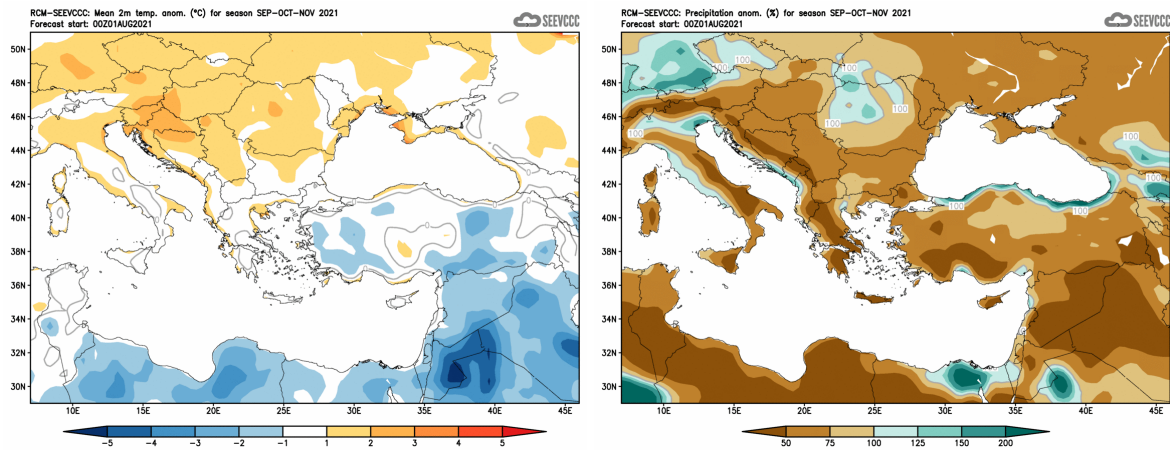


Figure 6. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook from RCM – SEEVCCC)

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/>)