

Climate Watch (Serial No.: 20210809–32)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

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Cancelled

Contact: E-mail: cws-seevccc@hidmet.gov.rs
Phone: +381112066925
Fax: +381112066929

Valid from – to: 9-8-2021 – 31-10-2021 Next amendment: 16-8-2021

Region of concern: **SEE**

„In the period from 9 to 16 August 2021, above normal mean weekly air temperature is expected for the Balkans with anomaly up to +6°C. Below normal temperature is expected in Turkey with anomaly up to -3°C. Probability for exceeding upper/lower tercile is up to 90%. Precipitation deficit is expected for most of the Balkans with up to 90% probability for exceeding lower tercile. Precipitation surplus is expected for northern Turkey, Armenia and eastern Ukraine with around 80% probability for exceeding upper tercile.”

Monitoring

During the period from 1 to 7 July 2021, in most of the region weekly precipitation sums were below 25 mm.

Outlook

Within the first week (9 to 16 August 2021), ECMWF monthly forecast predicts above normal mean weekly air temperature for the Balkans with anomaly up to +6°C. Below normal temperature is expected in Turkey with anomaly up to -3°C. Probability for exceeding upper/lower tercile is up to 90%. Precipitation deficit is expected for most of the Balkans with up to 90% probability for exceeding lower tercile. Precipitation surplus is expected for northern Turkey, Armenia and eastern Ukraine with around 80% probability for exceeding upper tercile.

During the second week (16 to 23 August 2021), above average mean weekly air temperature is predicted for the Balkans, with anomaly up to +3°C, and up to 80% probability for exceeding upper tercile. Below normal temperature is expected in Turkey with anomaly up to -3°C and probability for exceeding lower tercile around 80%. Average precipitation sums are expected for most of the region.

During the following three months (August, September and October) seasonal forecast predicts above normal seasonal air temperature for northern parts of the SEE region, 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 16-8-2021

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

ANNEX

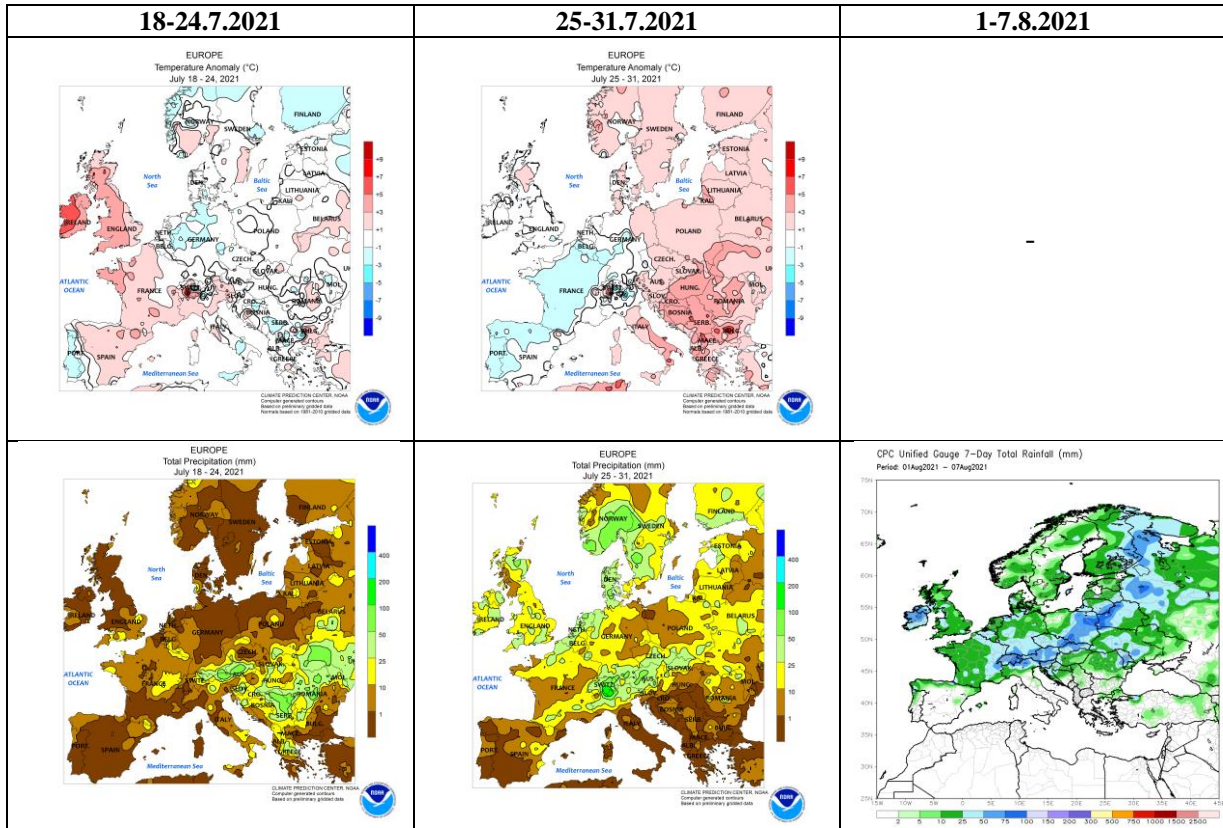


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

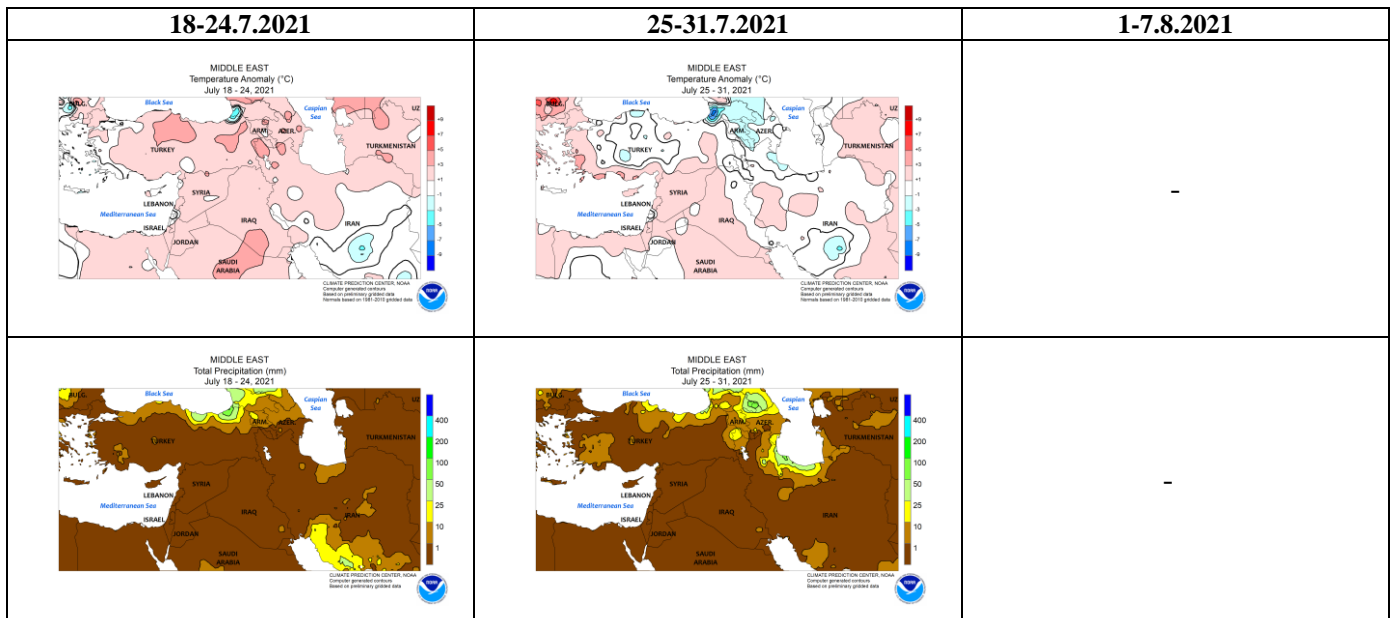


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

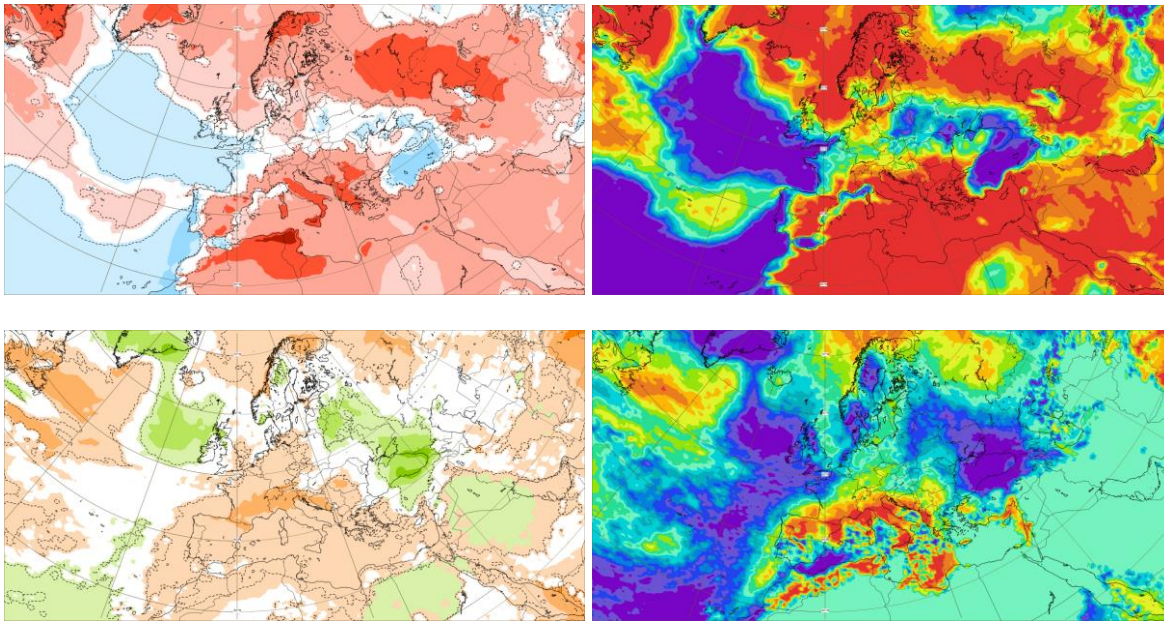


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 9.8–16.8.2021 period

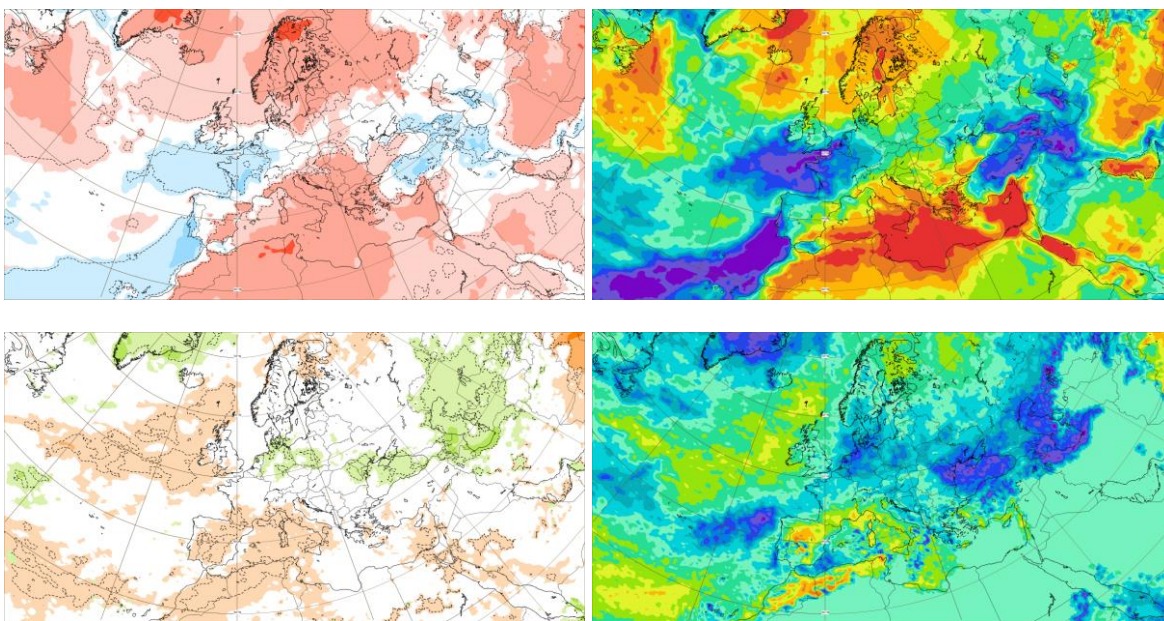


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 16.8–23.8.2021 period

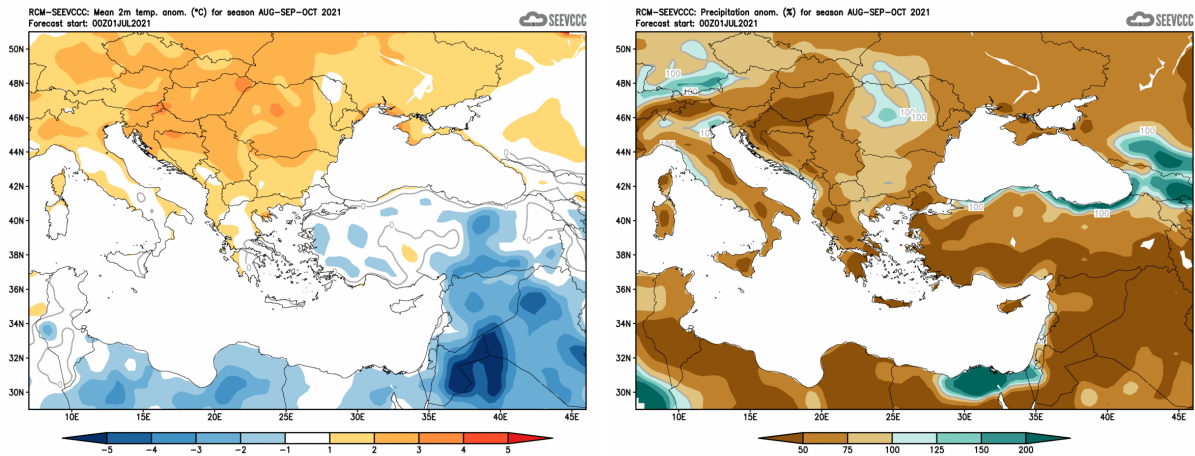


Figure 6. Mean seasonal temperature and precipitation anomaly for the season ASO (seasonal outlook from RCM – SEEVCCC)

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/>)