

## Climate Watch (Serial No.: 20210726–30)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

Issued/ Amended / 26-7-2021 16:00 P.M.  
Cancelled

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Valid from – to: 26-7-2021 – 31-10-2021 Next amendment: 2-8-2021

Region of concern: **SEE**

**„In the period from 26 July to 1 August 2021, above average mean weekly air temperature is predicted for most of the Balkans, Ukraine, westernmost and southernmost Turkey, as well as Cyprus, with anomaly up to +3°C. Below average mean weekly air temperature is expected in Turkey and South Caucasus. Probability for exceeding upper/lower is tercile up to 90%. Precipitation surplus is forecasted for northern Ukraine, eastern Turkey, South Caucasus and Cyprus, with up to 90% probability for exceeding upper tercile. Precipitation deficit is expected in rest of the region with up to 90% probability for exceeding lower tercile.**

### Monitoring

During the period from 18 to 24 July 2021, in most of the region weekly precipitation sums were below 25 mm. Weekly precipitation sums up to 25 mm were registered in some parts of Ukraine. Some parts of the central and eastern Balkans, northeastern Turkey as well as Ukraine received up to 100 mm of precipitation.

## **Outlook**

Within the first week (26 July to 1 August 2021), ECMWF monthly forecast predicts above average mean weekly air temperature for most of the Balkans, Ukraine, westernmost and southernmost Turkey, as well as Cyprus, with anomaly up to +3°C. Below average mean weekly air temperature is expected in Turkey and South Caucasus. Probability for exceeding upper/lower is tercile up to 90%. Precipitation surplus is forecasted for northern Ukraine, eastern Turkey, South Caucasus and Cyprus, with up to 90% probability for exceeding upper tercile. Precipitation deficit is expected in rest of the region with up to 90% probability for exceeding lower tercile is

During the second week (2 to 8 August 2021), above average mean weekly air temperature is predicted for the southern Balkans, most of Turkey, South Caucasus and Cyprus, with anomaly up to +2°C, in eastern Ukraine up to +3°C and up to 80% probability for exceeding upper tercile. Below average mean weekly air temperature is expected in the northwestern Balkans, some parts of the central and eastern Balkans, as well as most of Ukraine with anomaly up to -3°C and probability around 70% for exceeding lower tercile. Precipitation surplus is forecasted for the western and eastern Balkans, parts of the central Balkans, Moldova and Ukraine with probability up to 70% for exceeding upper tercile. Precipitation deficit is expected in the southern Balkans, most of Turkey and South Caucasus with around 60% probability for exceeding lower tercile.

In the period from 26 July to 22 August 2021, above average mean monthly air temperature is predicted for the eastern and southern, as well as eastern Turkey, with +2°C anomaly and around 80% probability for exceeding upper tercile. Precipitation surplus is forecasted for northern Ukraine, most of Moldova, and some location in the South Caucasus with probability up to 70% for exceeding upper tercile. Precipitation deficit is expected in the southern Balkans, western Turkey and parts of the central Balkans with around 70% probability for exceeding lower tercile.

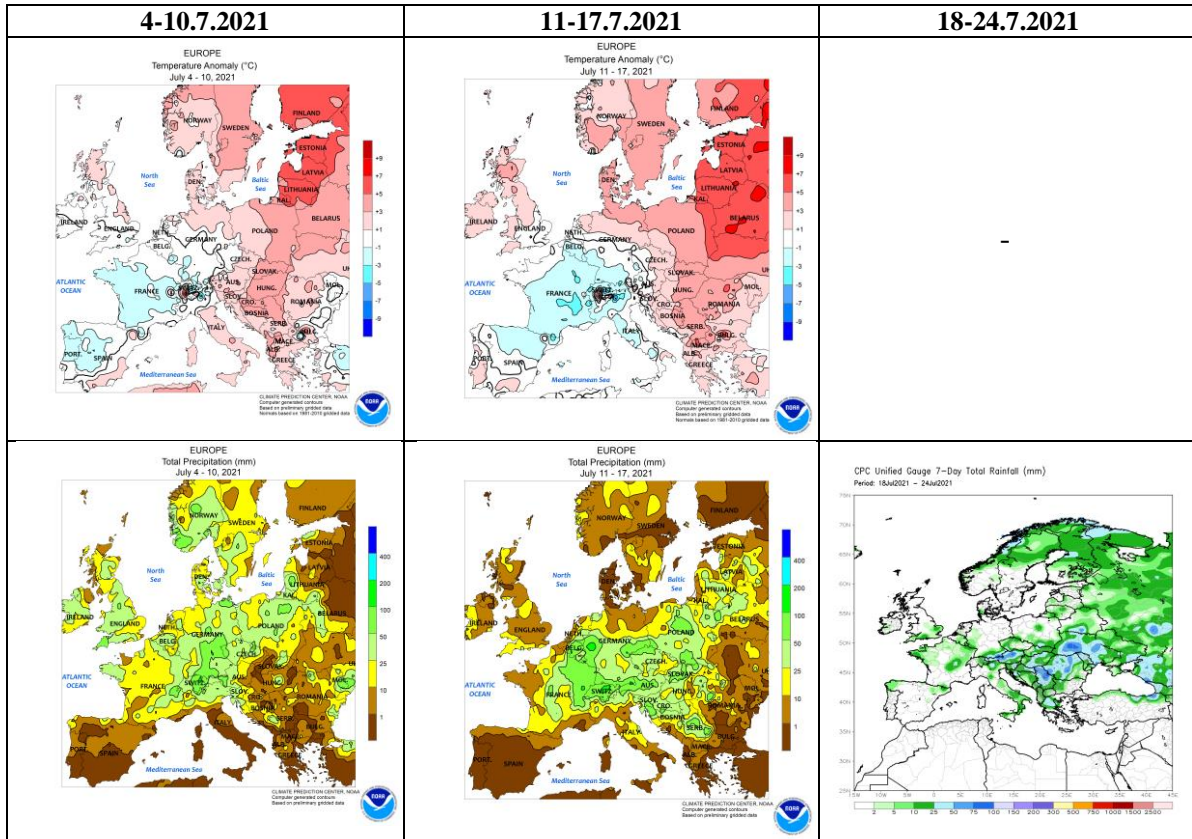
During the following three months (August, September and October) seasonal forecast predicts above normal seasonal air temperature for northern parts of the SEE region, while for most of Turkey, Middle East and South Caucasus below seasonal air temperature is expected. Precipitation surplus is expected 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**

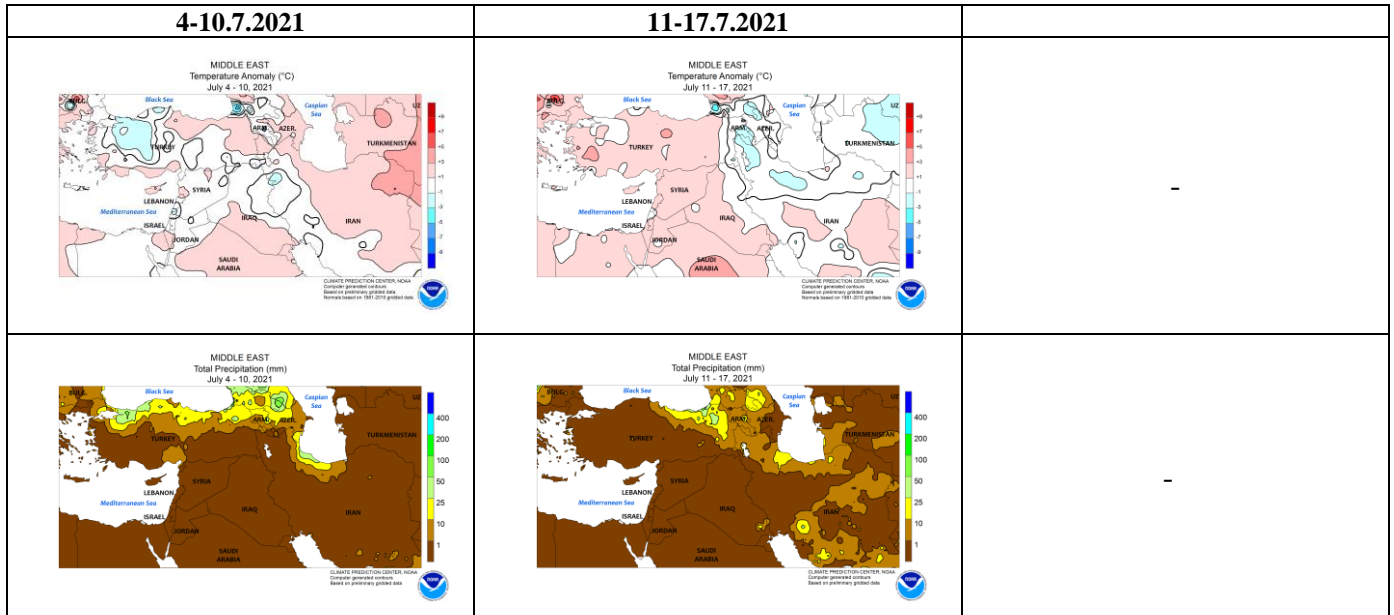
An updated statement will be issued on 2-8-2021

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

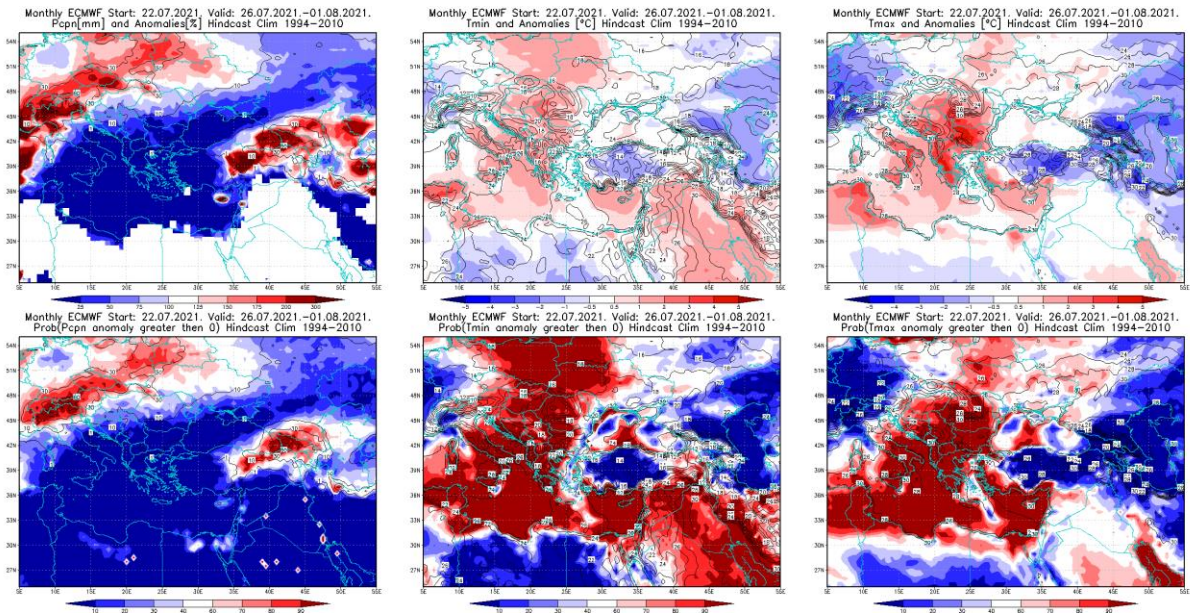
**ANNEX**



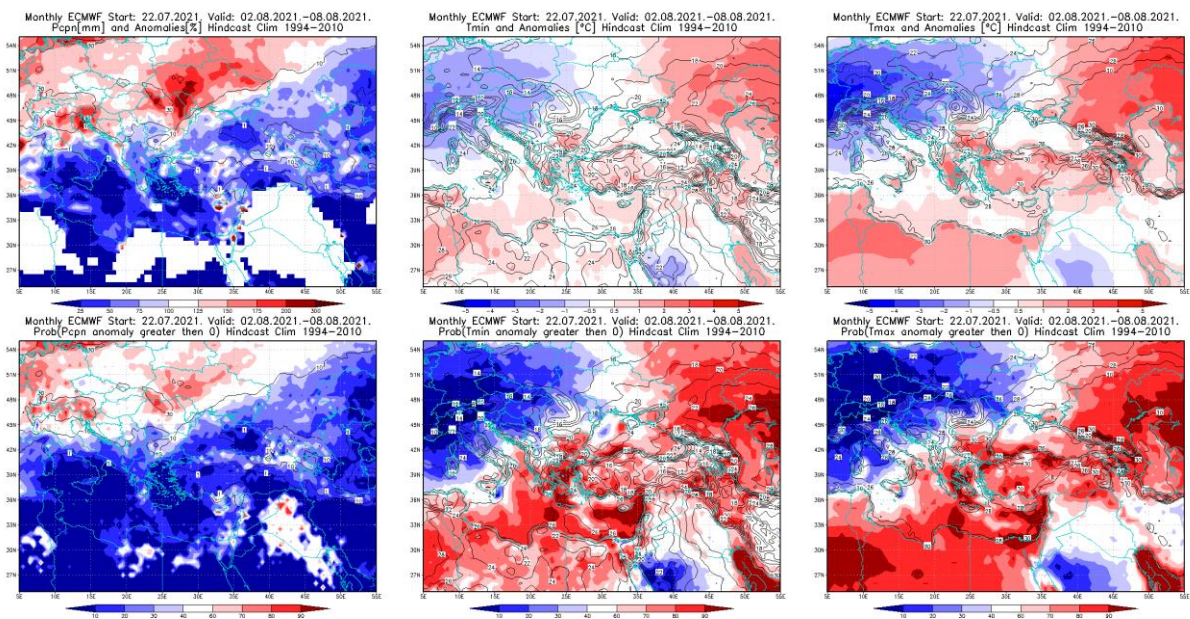
**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



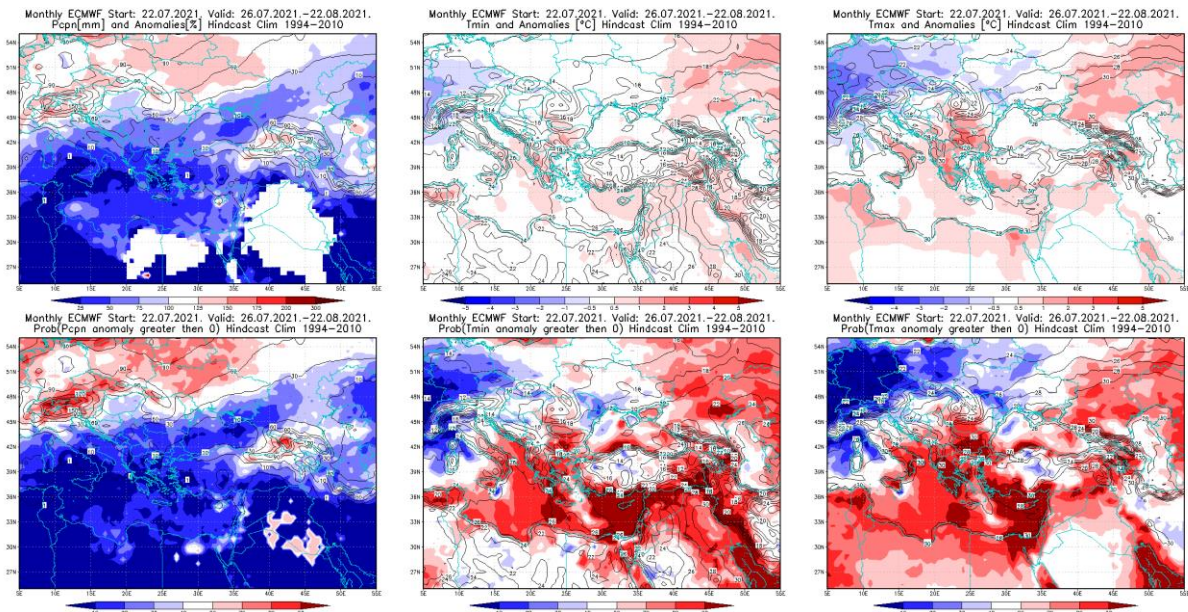
**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



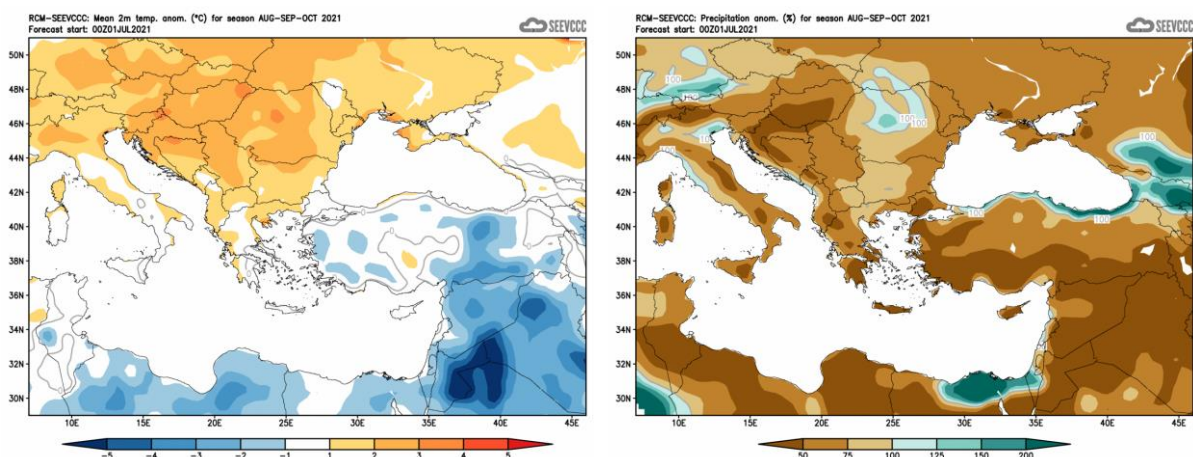
**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 26.7–1.8.2021 period



**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 2.8–8.8.2021 period



**Figure 5.** 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 26.7–22.8.2021 period



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

## 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/>)