

Climate Watch (Serial No.: 20210712–28)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

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Cancelled

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Valid from – to: 12-7-2021 – 30-9-2021 Next amendment: 20-7-2021

Region of concern: **SEE**

„In the period from 12 July to 8 August 2021, above average temperature is predicted for almost the entire Balkans, Moldova, most of Ukraine, eastern Turkey, with anomaly up to +3°C and up to 90% probability for exceeding upper tercile. Precipitation surplus is forecasted for southern Balkans, south Romania and western Turkey, with probability up to 70% for exceeding upper tercile. Precipitation deficit is expected for the Adriatic and Aegean area, as well as north Ukraine and south Turkey, with low probability for exceeding lower tercile.”

Monitoring

During the period from 4 to 10 July 2021, in most of the region weekly precipitation sums were below 25 mm. At some locations in Moldova, southern Ukraine and northernmost Turkey precipitation totals were up to 100 mm.

Outlook

Within the first week (12 to 18 July 2021), ECMWF monthly forecast predicts above normal mean weekly air temperature for most of the region with anomaly up to +3°C, except in Ukraine, with temperature anomaly reaching up to +5°C and up to 90% probability for exceeding upper tercile. Precipitation surplus is forecasted for central Balkans, southern and parts of eastern Balkans, eastern Turkey and South Caucasus with probability up to 60% for exceeding upper tercile. Precipitation deficit is expected in western and southern Turkey, as well as most of Ukraine with around 80% probability for exceeding lower tercile.

During the second week (19 to 25 July 2021), above average temperature is predicted for the Aegean Sea, some location in Turkey, as well as Ukraine with anomaly up to +3°C and around 80% probability for exceeding upper tercile. In rest of the region average temperature is predicted. Precipitation surplus is forecasted for the south and central Balkans, southern Romania, some location in Turkey, with probability up to 60% for exceeding upper tercile. Precipitation deficit is expected for the Adriatic and Aegean area, as well as north Ukraine and south Turkey, with around 60% probability for exceeding lower tercile.

In the period from 12 July to 8 August 2021, above average temperature is predicted for almost the entire Balkans, Moldova, most of Ukraine, eastern Turkey, with anomaly up to +3°C and up to 90% probability for exceeding upper tercile. Precipitation surplus is forecasted for the southern Balkans, south Romania and western Turkey, with probability up to 70% for exceeding upper tercile. Precipitation deficit is expected for the Adriatic and Aegean area, as well as north Ukraine and south Turkey, with low probability for exceeding lower tercile.

During the following three months (August, September and October) seasonal forecast predicts above normal seasonal air temperature for most of the SEE region, except for most of Turkey and South Caucasus where below seasonal air temperature is expected. Precipitation surplus is expected in Carpathian Mountains, northernmost Turkey and South Caucasus region. Precipitation deficit is predicted along the most of Balkans, Pannonian Plain, Moldova, Ukraine and most of Turkey.

Update

An updated statement will be issued on 20-7-2021

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

ANNEX

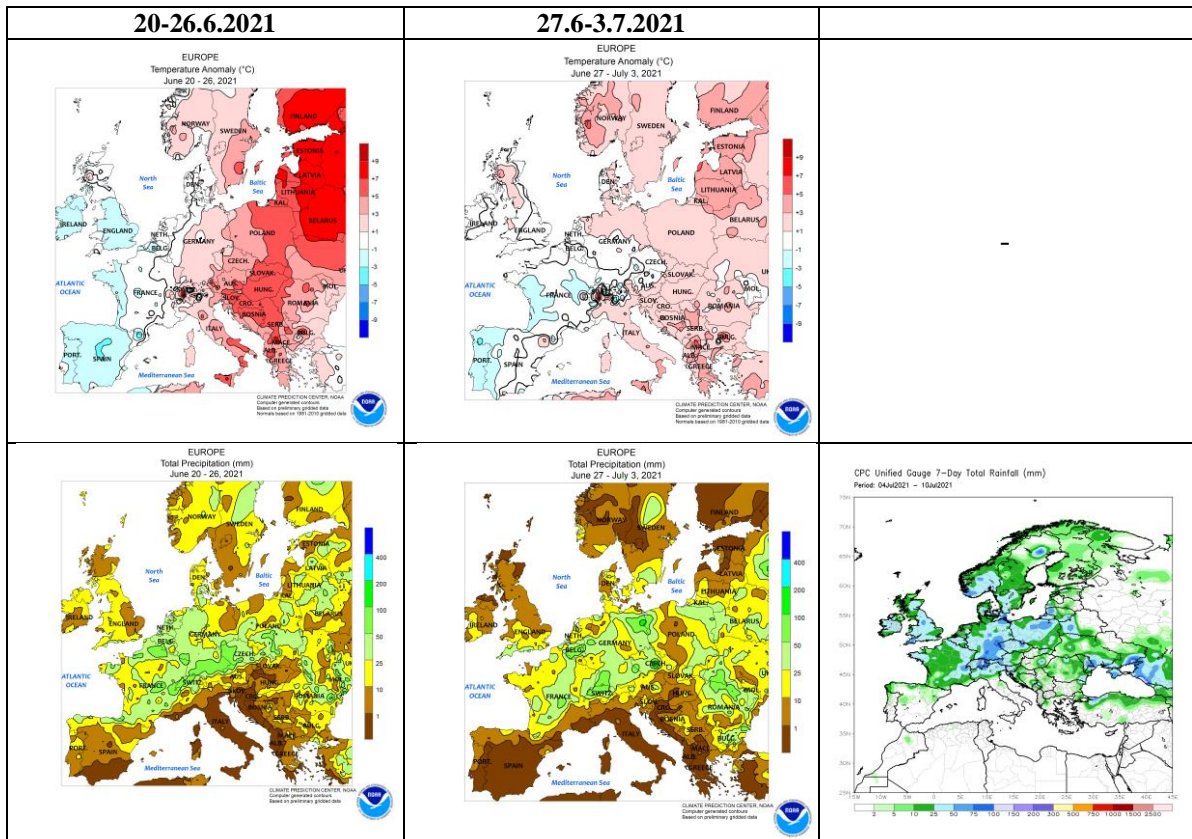


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

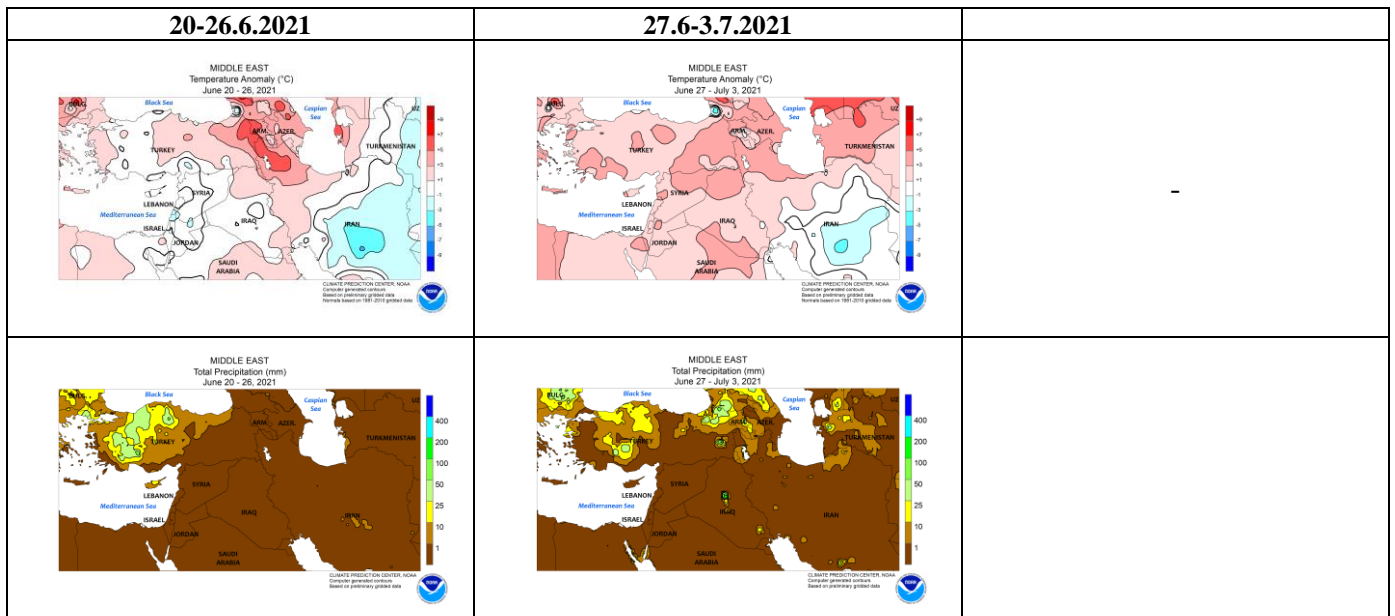


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

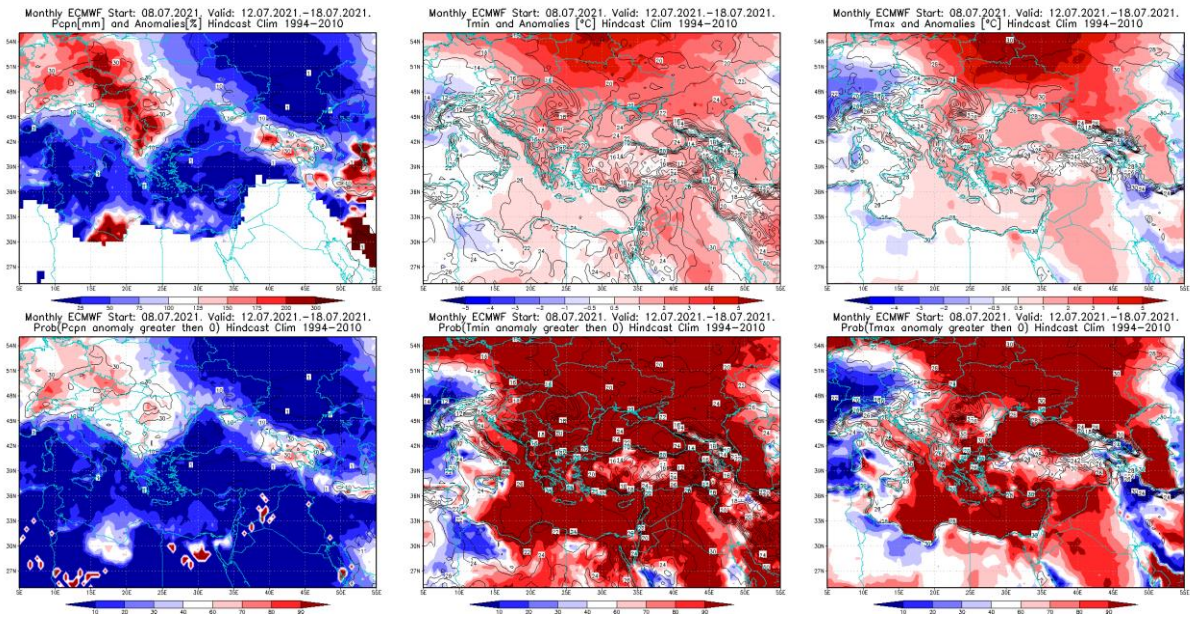


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 12–18.7.2021 period

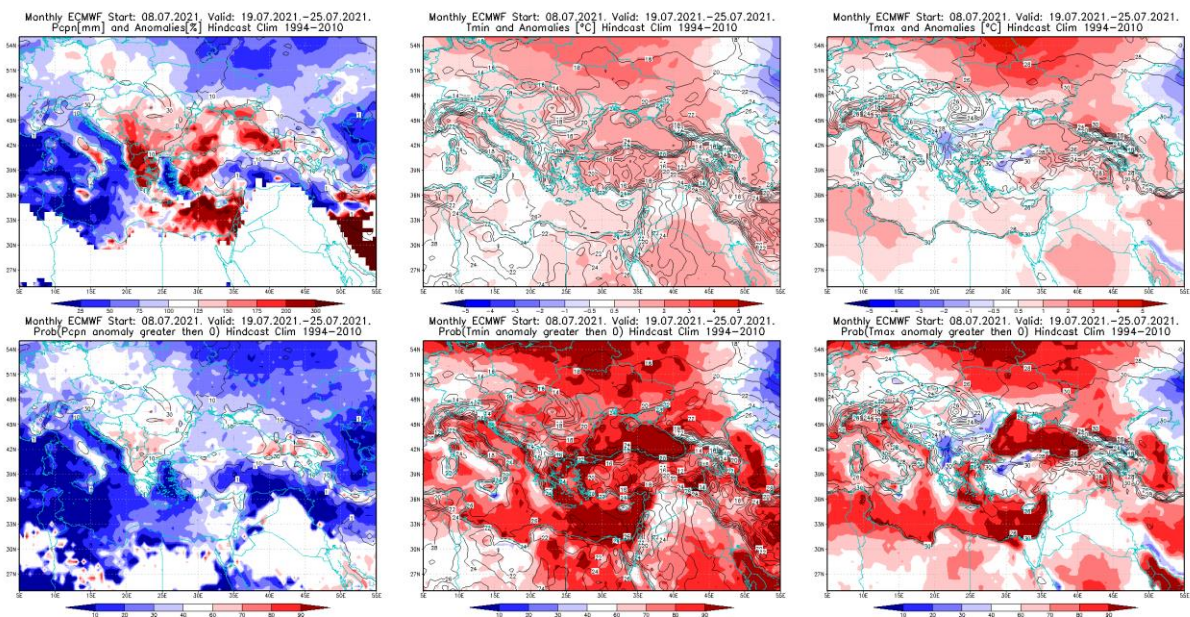


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 19.7–25.7.2021 period

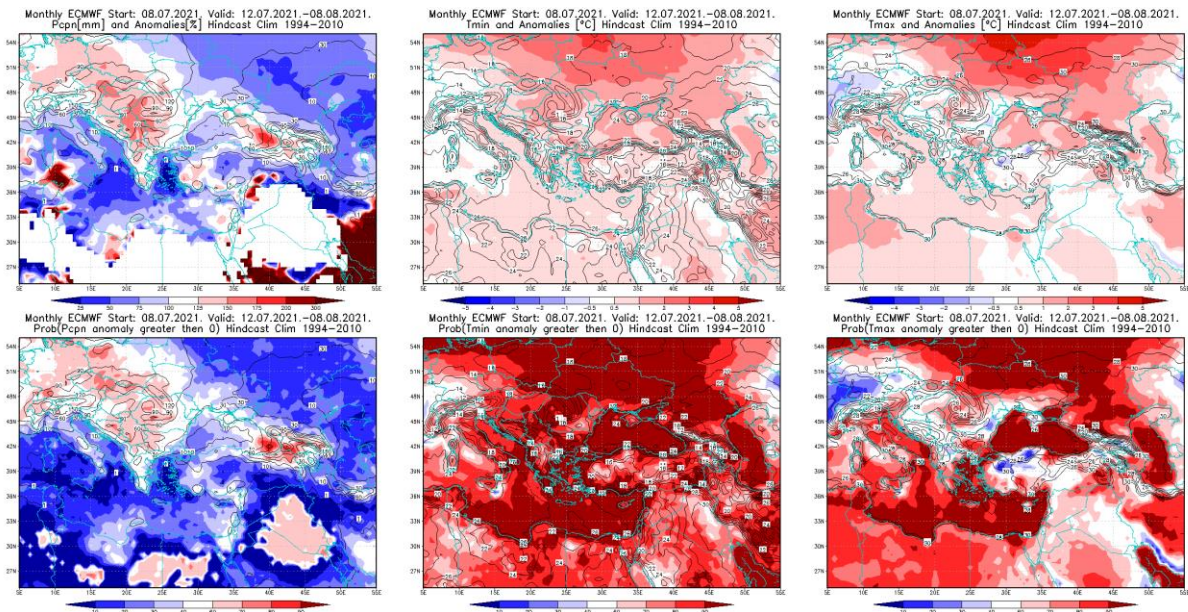


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 12.7–8.8.2021 period

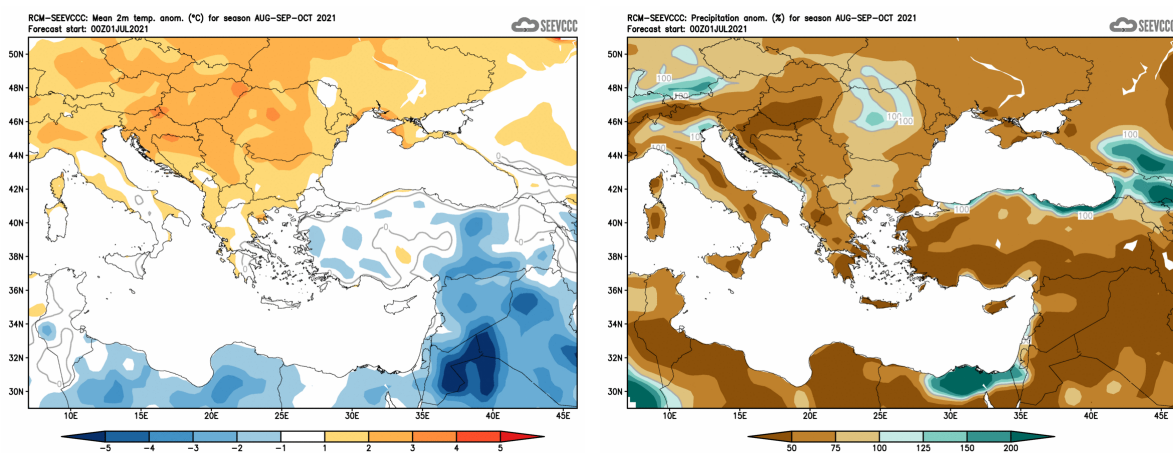


Figure 6. Mean seasonal temperature and precipitation anomaly for the season ASO (seasonal outlook from RCM – SEEVCCC)

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/>)