

## Climate Watch (Serial No.: 20210531–22)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

Issued/ Amended / 31-5-2021 16:00 P.M.  
Cancelled

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Valid from – to: 31-5-2021 – 31-8-2021 Next amendment: 8-6-2021

Region of concern: **south and eastern Balkans ,Turkey, Moldova and Ukraine**

**„Within the following four weeks (24 May to 30 June 2021), ECMWF monthly forecast predicts above average temperature for south and eastern Turkey, South Caucasus, and Middle East with anomaly up to +5°C and up to 90% probability for exceeding upper tercile. Below average temperature is expected for the Balkans, Moldova, south Ukraine and northeastern Turkey with anomaly up to -3°C and with probability up to 90% for exceeding lower tercile. Precipitation surplus is forecasted for most of southern and some parts of the eastern Balkans, southeastern Ukraine, northwestern Turkey, with probability up to 90% for exceeding upper tercile. Precipitation deficit is predicted for Adriatic and Eastern Mediterranean coasts, as well as southeastern Turkey and South Caucasus, with probability ranking from 60 % up to 90% for exceeding lower tercile.”**

### Monitoring

During the period from 23 to 30 May 2021, precipitation sums were below 25 mm in most of the region, around 50 mm in the eastern Balkans, some locations on the south Balkans, most of Ukraine and Moldova and northernmost Turkey, while in some parts of central Balkans weekly precipitation totals were up to 300 mm.

## **Outlook**

Within the first week (31 May to 6 June 2021), ECMWF monthly forecast predicts above normal mean weekly air temperature for south and eastern Turkey, South Caucasus, and Middle East with anomaly up to +5°C and up to 90% probability for exceeding upper tercile. Below average temperature is expected for the Balkans, Moldova, south Ukraine and northeastern Turkey with anomaly up to -3°C and with probability up to 90% for exceeding lower tercile. Precipitation surplus is forecasted for most of southern and some parts of the eastern Balkans, southeastern Ukraine, northwestern Turkey, with probability up to 90% for exceeding upper tercile. Precipitation deficit is predicted for Adriatic and Eastern Mediterranean coasts, as well as southeastern Turkey and South Caucasus, with probability ranking from 60 % up to 90% for exceeding lower tercile.

During the second week (7 to 13 June 2021), above average temperature is predicted for the south eastern and central Turkey with up to +2°C anomaly and around 80% probability for exceeding upper tercile. Below average temperature is expected for eastern Balkans, south Moldova and northwestern Turkey with anomaly up to -3°C and up to 70% probability for exceeding lower tercile. Precipitation surplus is forecasted for parts of southern and eastern Balkans, as well as central and south Turkey, with probability up to 70% for exceeding upper tercile. Precipitation deficit is forecasted for Aegean Sea and Eastern Mediterranean, as well as southeastern Turkey with around 70% probability for exceeding lower tercile.

In the period from 31 May to 26 June 2021, above average temperature is predicted for southern and eastern Turkey and South Caucasus, with anomaly up to +3°C and up to 90% probability for exceeding upper tercile. Below average temperature is expected for southern and eastern Balkans, Moldova, most of Ukraine and northwestern Turkey with anomaly up to -2°C and up to 90% probability for exceeding lower tercile. Precipitation surplus is forecasted for parts of southern and eastern Balkans, as well as central and south Turkey, with probability up to 70% for exceeding upper tercile. Precipitation surplus is forecasted for some locations in the southern and eastern Balkans, as well as northwestern Turkey, with probability up to 80% for exceeding upper tercile. Precipitation deficit is forecasted for most of Turkey, Eastern Mediterranean and Cyprus, with up to 80% probability for exceeding lower tercile.

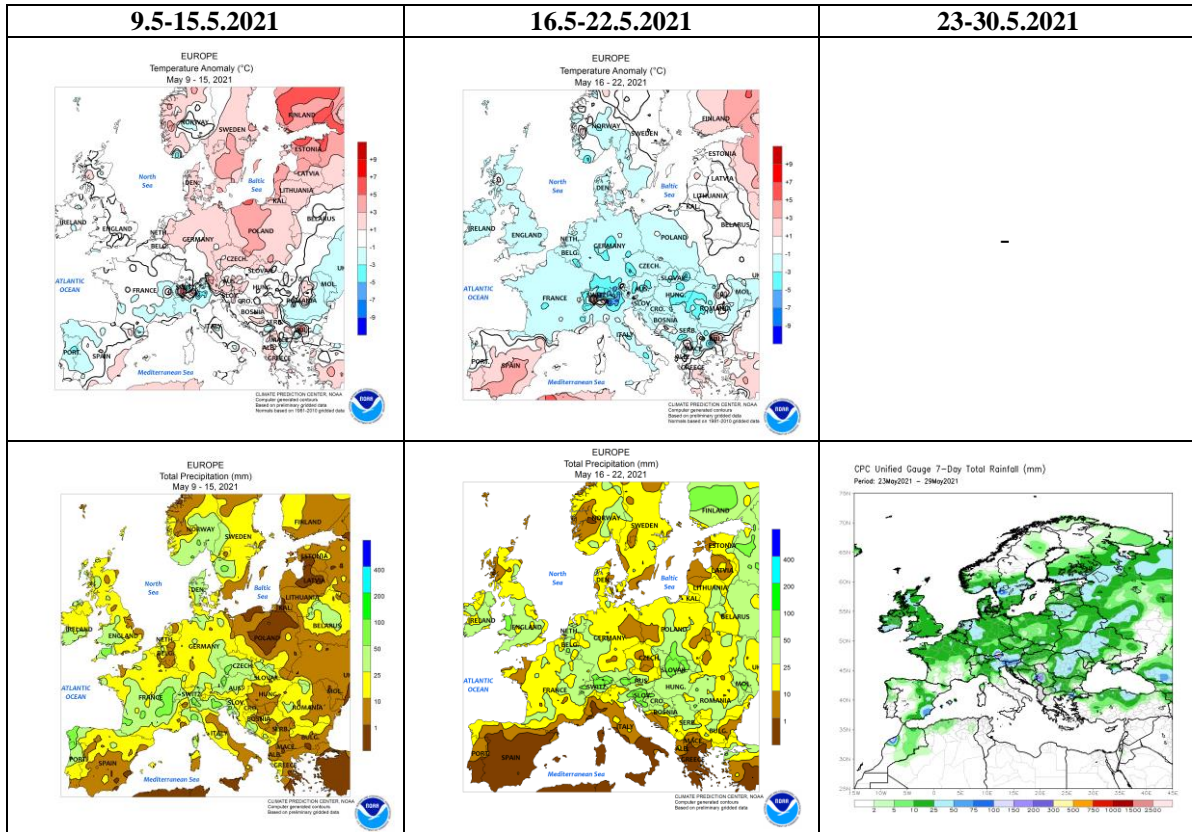
During the following three months (June, July and August) seasonal forecast predicts above normal seasonal air temperature for most of the Balkans. Precipitation surplus is expected for Carpathian and South Caucasus region. Precipitation deficit is predicted for some locations in the southern and eastern Balkans, as well as western and southern Turkey.

## **Update**

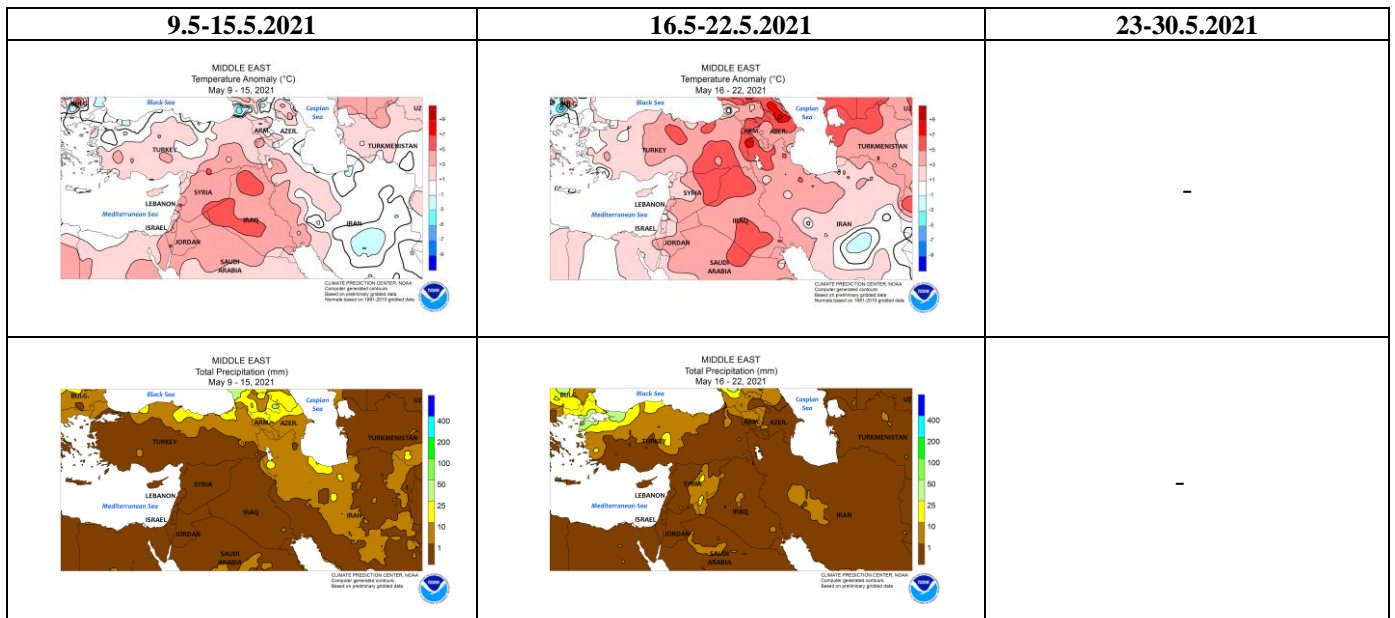
An updated statement will be issued on 8-6-2021

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

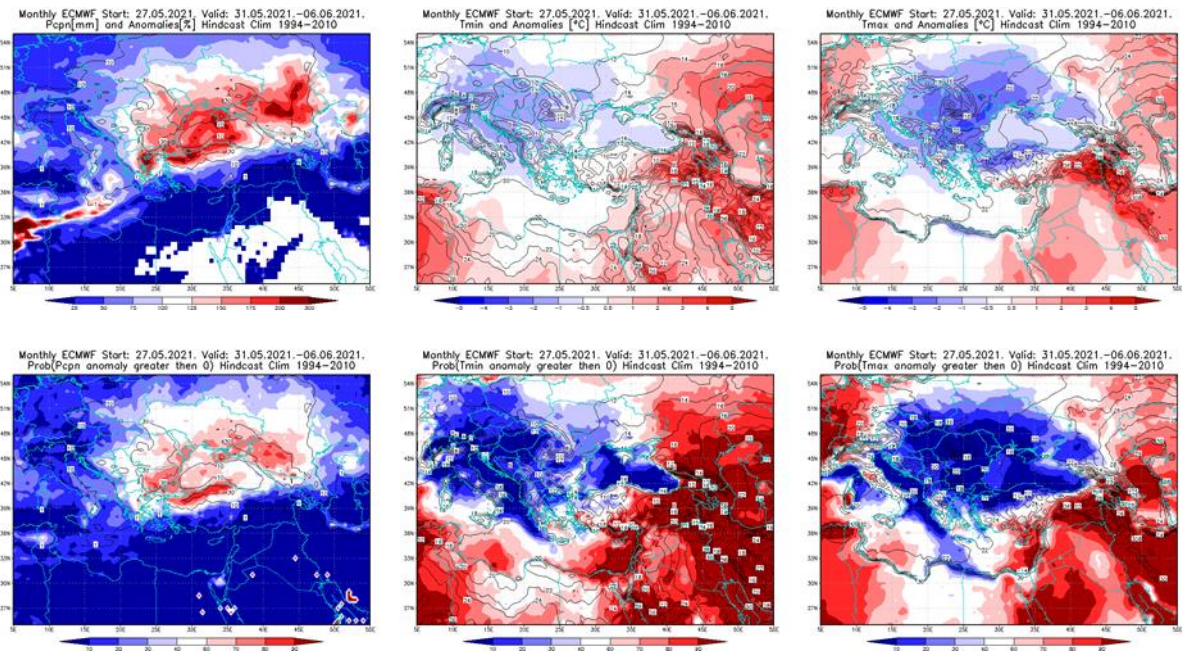
**ANNEX**



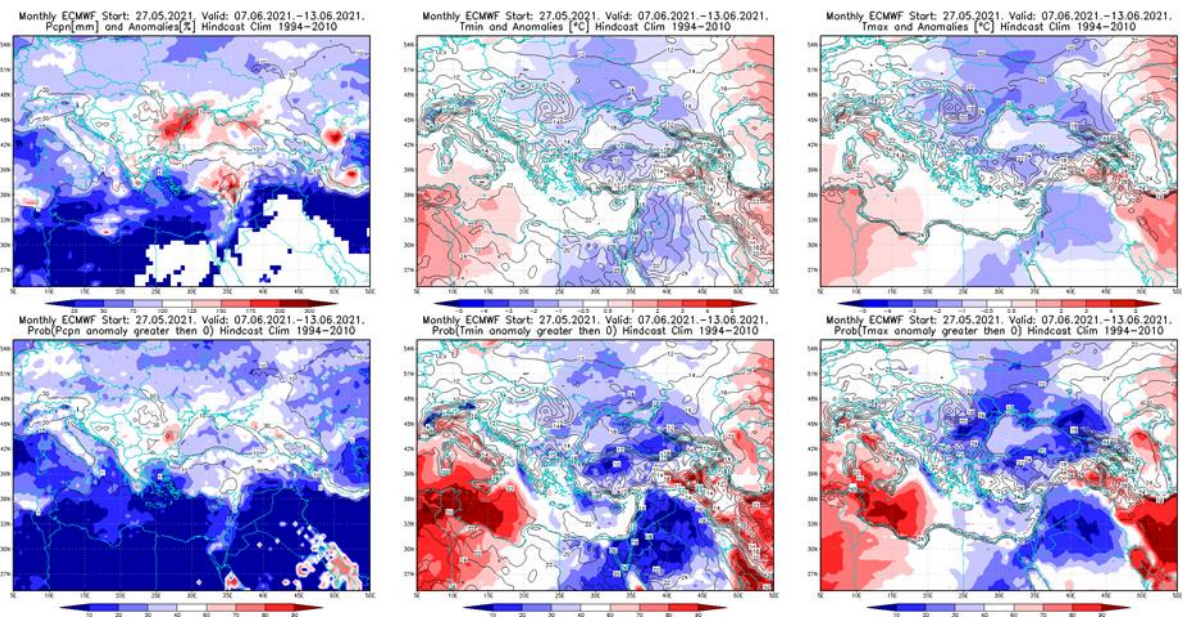
**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



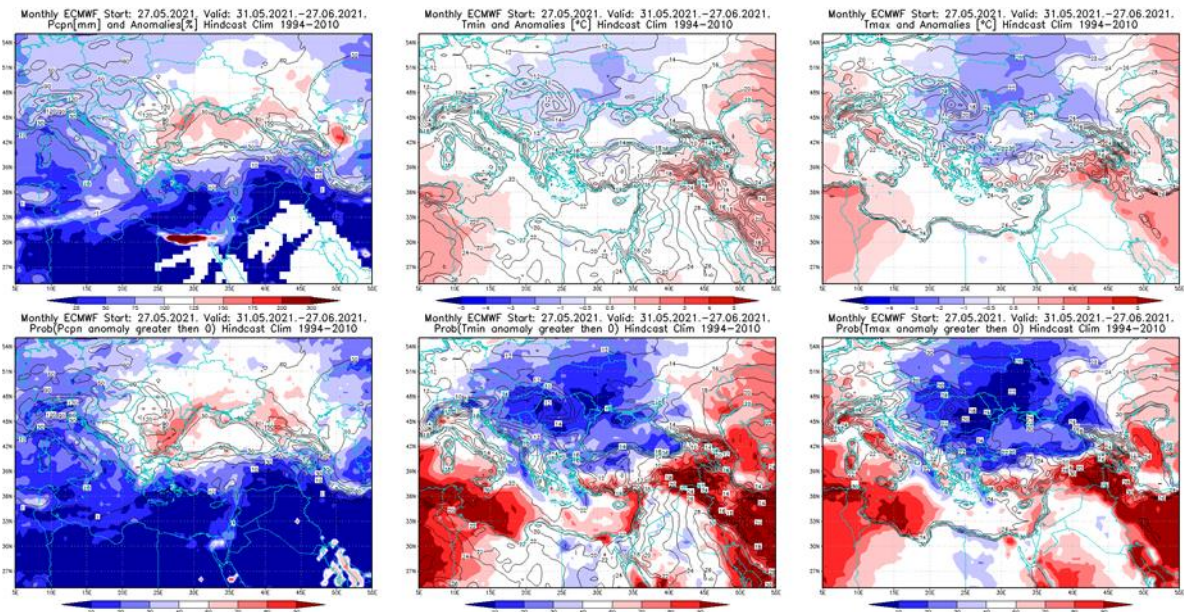
**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



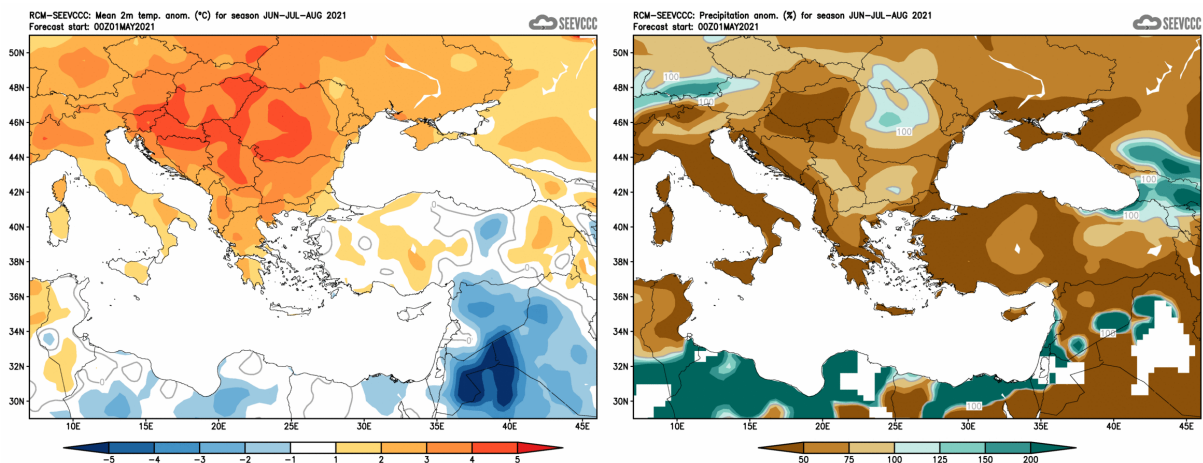
**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 31.5–6.6.2021 period



**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 7.6–13.6.2021 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 31.5–26.6.2021 period



**Figure 6.** Mean seasonal temperature and precipitation anomaly for the season JJA (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/>)