

## Climate Watch (Serial No.: 20210614–24)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 14-6-2021 16:00 P.M.

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Valid from – to: 14-6-2021 – 31-8-2021 Next amendment: 21-6-2021

Region of concern: **Turkey, Moldova, Ukraine, South Caucasus and the Balkans**

**„Within the following four weeks (14 June to 11 July 2021), ECMWF monthly forecast predicts above average temperature for the western and northern Balkans, eastern Turkey and South Caucasus, with anomaly up to +3°C and up to 90% probability for exceeding upper tercile. Precipitation surplus is forecasted for the eastern and southern Balkans, Moldova, Ukraine and northwestern Turkey. Precipitation deficit is forecasted along the coasts of the Adriatic Sea and southeastern Turkey. Probability for exceeding upper/lower tercile is around 70%.“**

### Monitoring

During the period from 6 to 12 June 2021, precipitation sums were below 25 mm in most of the region, in the northwestern and central Balkans, Romania, central Turkey and Georgia they reached up to 50 mm, in eastern Ukraine up to 75 mm, while at some locations of the southwestern Balkans weekly precipitation totals were up to 300 mm.

## **Outlook**

Within the first week (14 to 20 June 2021), ECMWF monthly forecast predicts above normal mean weekly air temperature for the Pannonian plain, eastern Turkey, Armenia and Azerbaijan with anomaly up to +3°C and up to 90% probability for exceeding upper tercile. Below average temperature is expected for the eastern and southern Balkans, southern Ukraine, Cyprus, western and central Turkey, as well as Middle East, with anomaly up to -4°C and with probability up to 90% for exceeding lower tercile. Precipitation surplus is forecasted for the eastern and southern Balkans, Moldova, Ukraine and northern Turkey, with probability up to 90% for exceeding upper tercile. Precipitation deficit is predicted for the western Balkans, southeastern Turkey Armenia and Azerbaijan, with probability up to 90% for exceeding lower tercile.

During the second week (21 to 27 June 2021), above average temperature is predicted for almost the entire region, with anomaly up to +3°C and up to 90% probability for exceeding upper tercile in southeastern Turkey. Precipitation deficit is forecasted for southeastern Turkey with around 70% probability for exceeding lower tercile.

In the period from 14 June to 11 July 2021, above average temperature is predicted for the western and northern Balkans, eastern Turkey and South Caucasus, with anomaly up to +3°C and up to 90% probability for exceeding upper tercile. Precipitation surplus is forecasted for the eastern and southern Balkans, Moldova, Ukraine and northwestern Turkey. Precipitation deficit is forecasted along the coasts of the Adriatic Sea and southeastern Turkey. Probability for exceeding upper/lower tercile is around 70%.

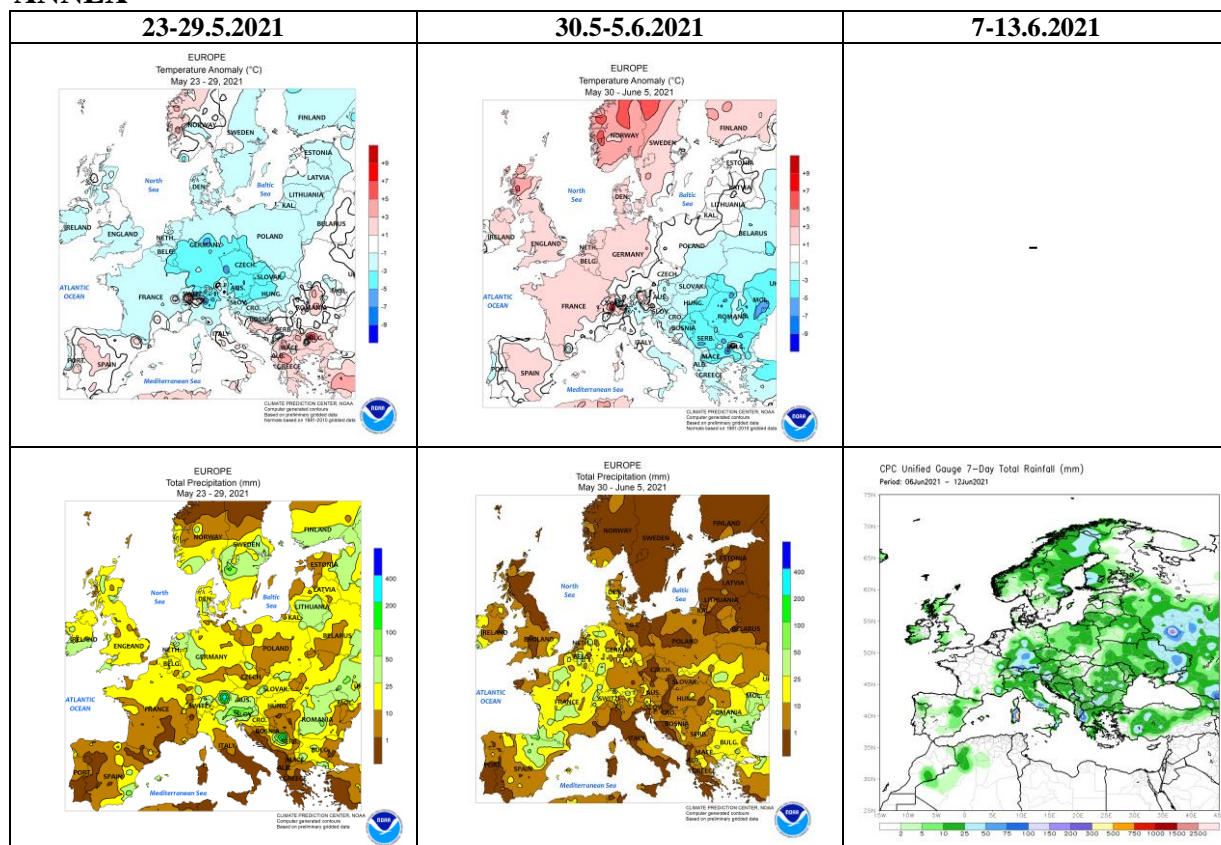
During the following three months (June, July and August) seasonal forecast predicts above normal seasonal air temperature for most of the Balkans. Precipitation surplus is expected for Carpathian and South Caucasus region. Precipitation deficit is predicted for some locations in the southern and eastern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

## **Update**

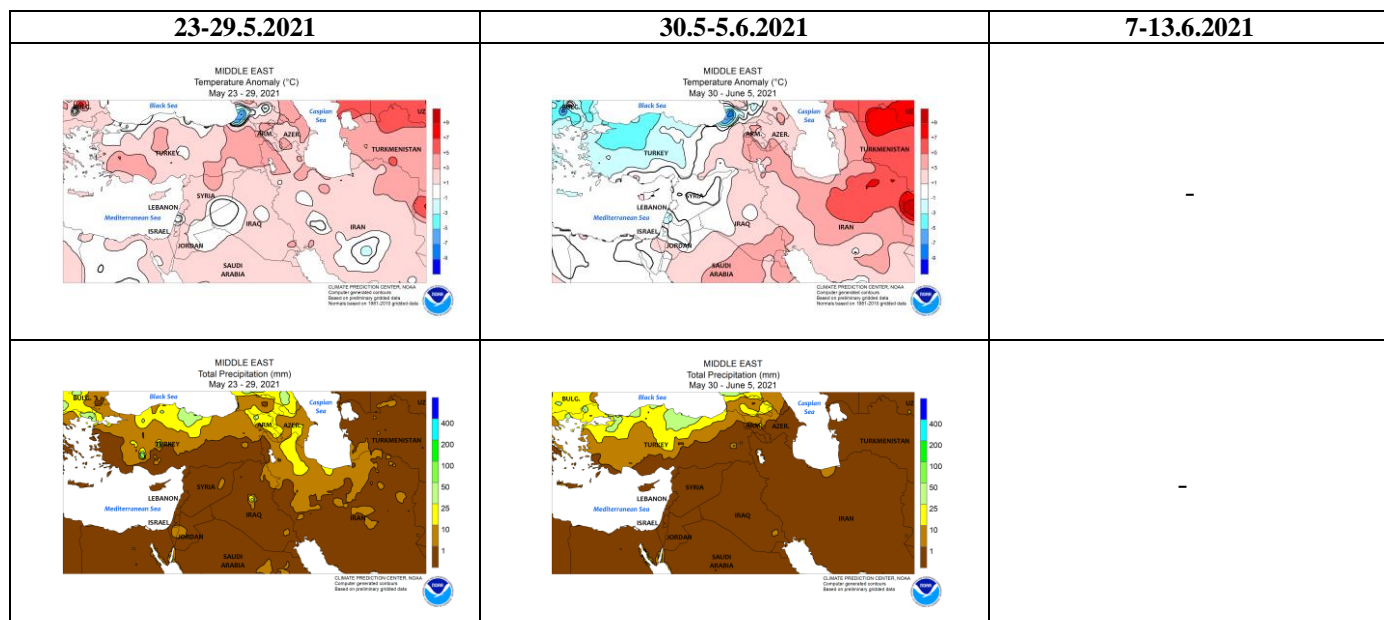
An updated statement will be issued on 21-6-2021

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

## ANNEX

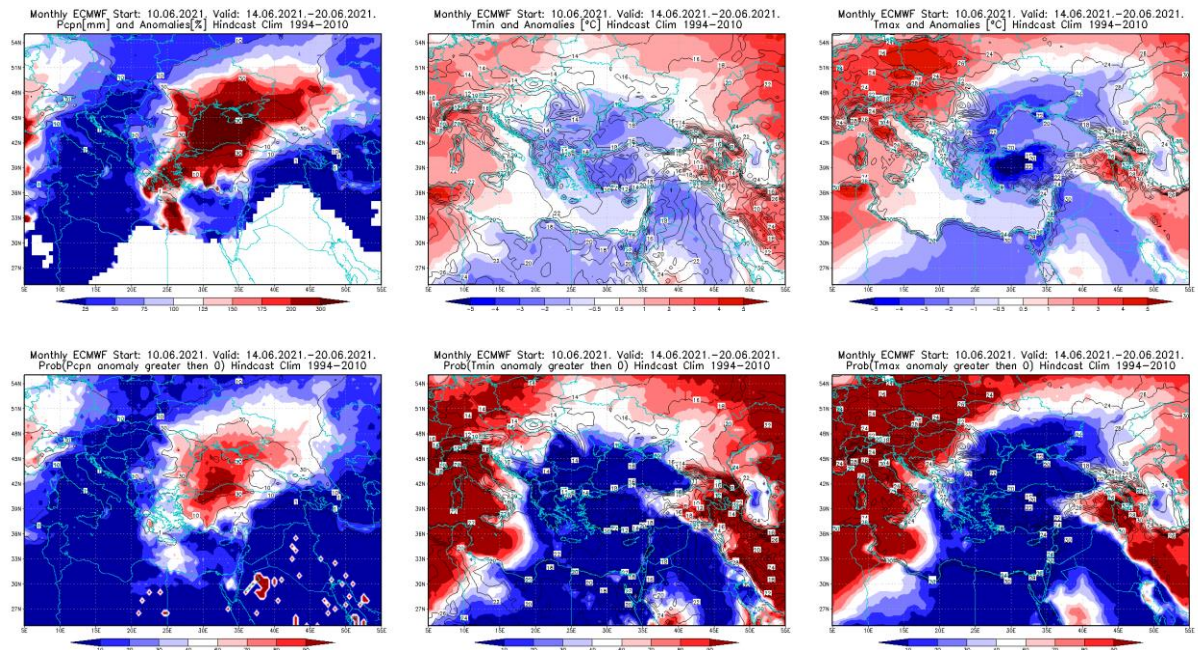


**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

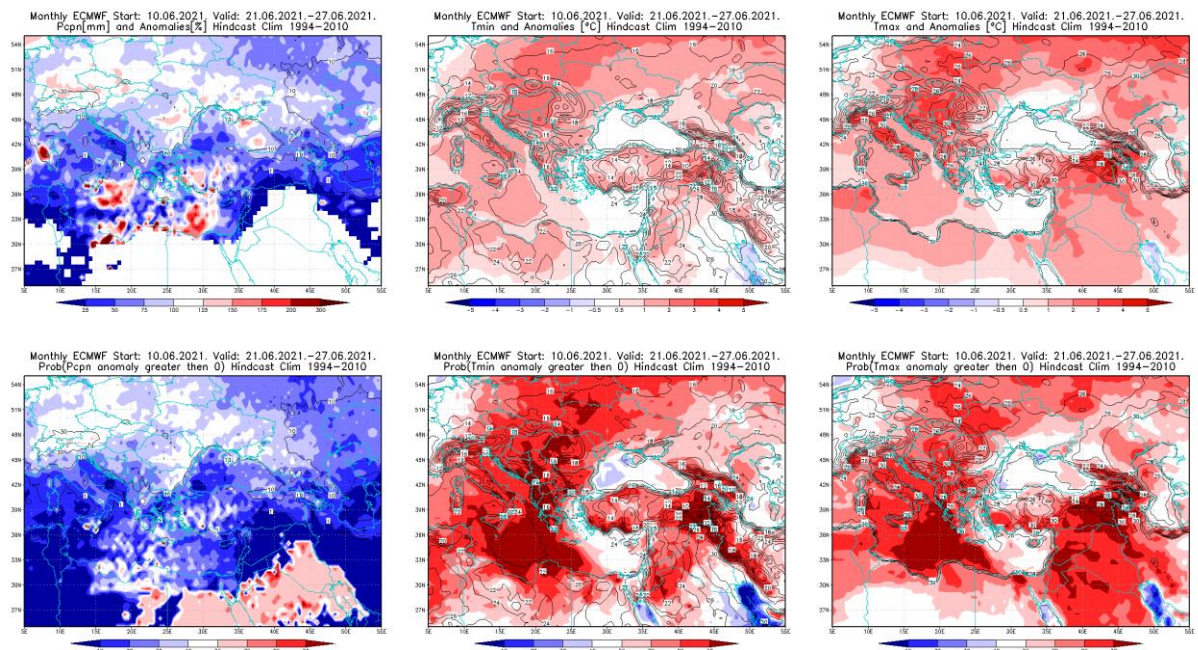


**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



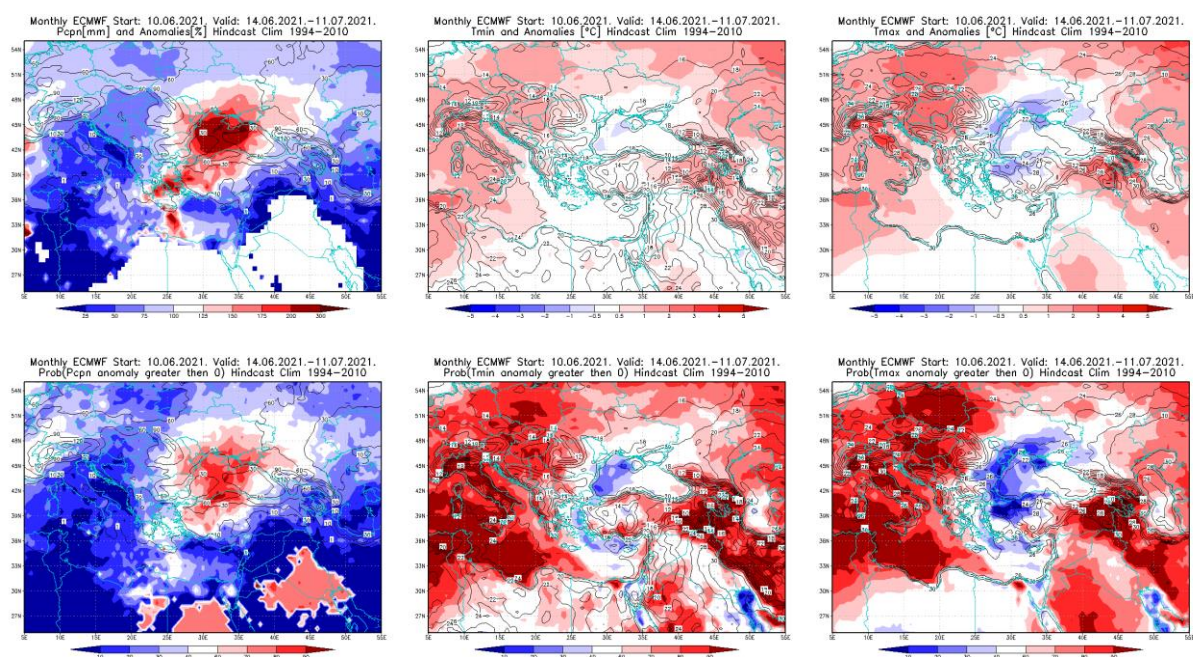


**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 14.6–20.6.2021 period

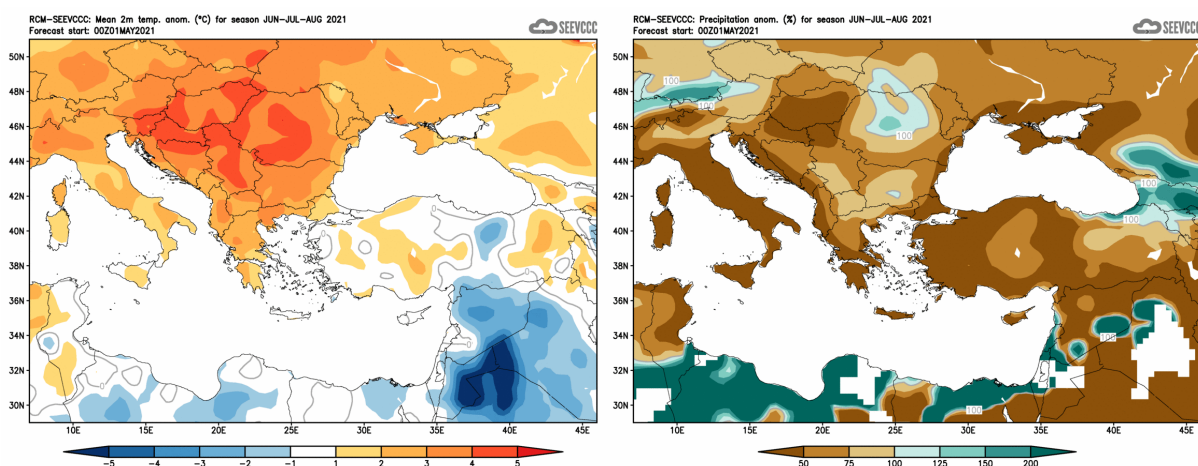


**Figure 4.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 21.6–27.6.2021 period





**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 14.6–11.7.2021 period



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

## 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/>)