

Climate Watch (Serial No.: 20210517–20)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

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Cancelled

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Valid from – to: 17-5-2021 – 31-8-2021 Next amendment: 24-5-2021

Region of concern: **SEE**

„Within the following four weeks (17 May to 13 June 2021), ECMWF monthly forecast predicts above average temperature for the southern and eastern Turkey and South Caucasus, with anomaly up to +4°C and up to 90% probability for exceeding upper tercile. Below average temperature is expected for most of the Balkans with anomaly up to -3°C, with probability around 60% for exceeding lower tercile. Average precipitation sums are expected for most of the Balkans. Precipitation deficit is forecasted for the eastern and parts of southern Turkey as well as South Caucasus, with around 80% probability for exceeding lower tercile.”

Monitoring

During the period from 8 to 14 May 2021, precipitation sums were below 25 mm in most of the region.

Outlook

Within the first week (17 to 23 May 2021), ECMWF monthly forecast predicts above normal mean weekly air temperature for the eastern Turkey and Middle East, with anomaly up to +5°C and up to 90% probability for exceeding upper tercile. Below average temperature is expected for most of the Balkans with anomaly up to -3°C, with probability up to 80% for exceeding lower tercile. Precipitation surplus is predicted for the northern Balkans, with probability around 70% for exceeding upper tercile.

During the second week (24 to 30 May 2021), above average temperature is predicted for the eastern Turkey and Middle East, with +4°C anomaly and around 80% probability for exceeding upper tercile. In rest of the region average temperature is expected. Average precipitation sums are expected for most of the Balkans. Precipitation deficit is forecasted for the eastern and parts of southern Turkey as well as South Caucasus, with around 70% probability for exceeding lower tercile.

In the period from 17 May to 13 June 2021, above average temperature is predicted for the southern and eastern Turkey and South Caucasus, with anomaly up to +4°C and up to 90% probability for exceeding upper tercile. Below average temperature is expected for most of the Balkans with anomaly up to -3°C, with probability around 60% for exceeding lower tercile. Average precipitation sums are expected for most of the Balkans. Precipitation deficit is forecasted for the eastern and parts of southern Turkey as well as South Caucasus, with around 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 24-5-2021

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

ANNEX

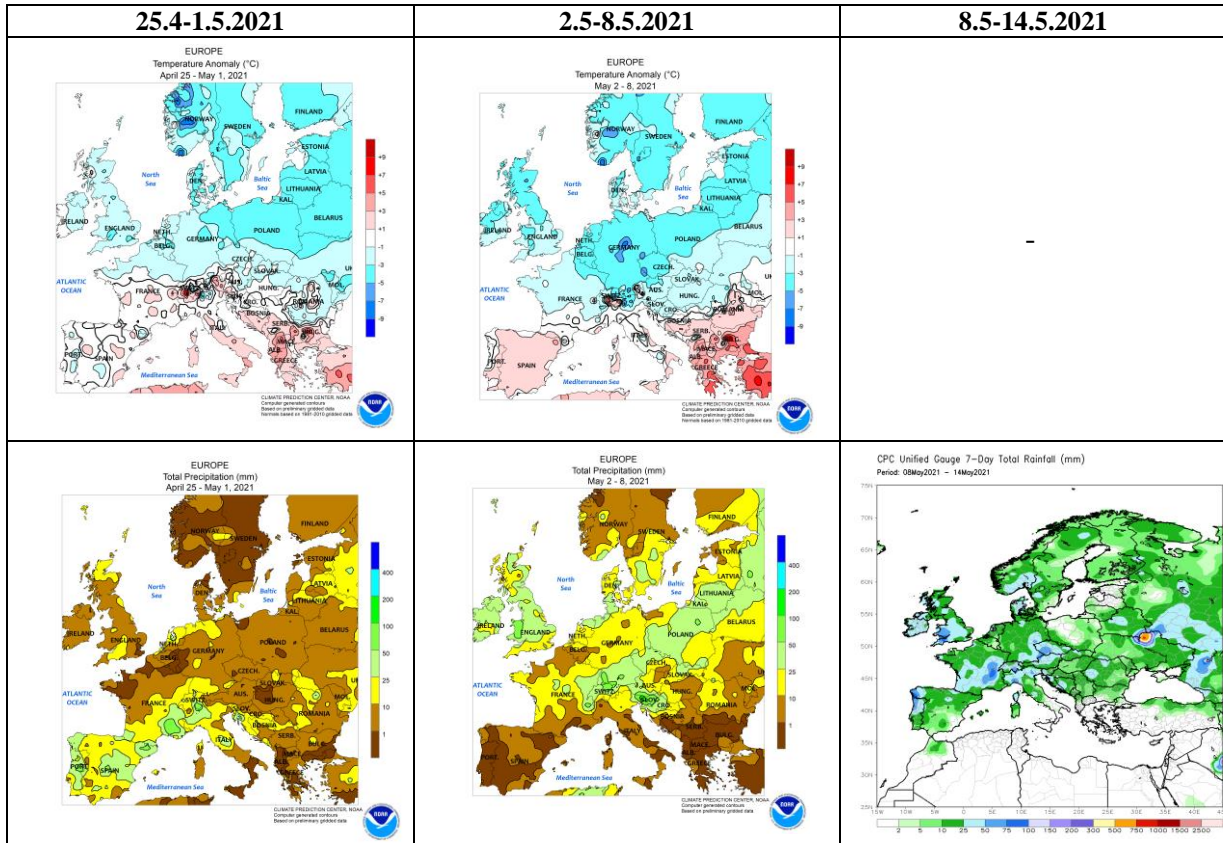


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

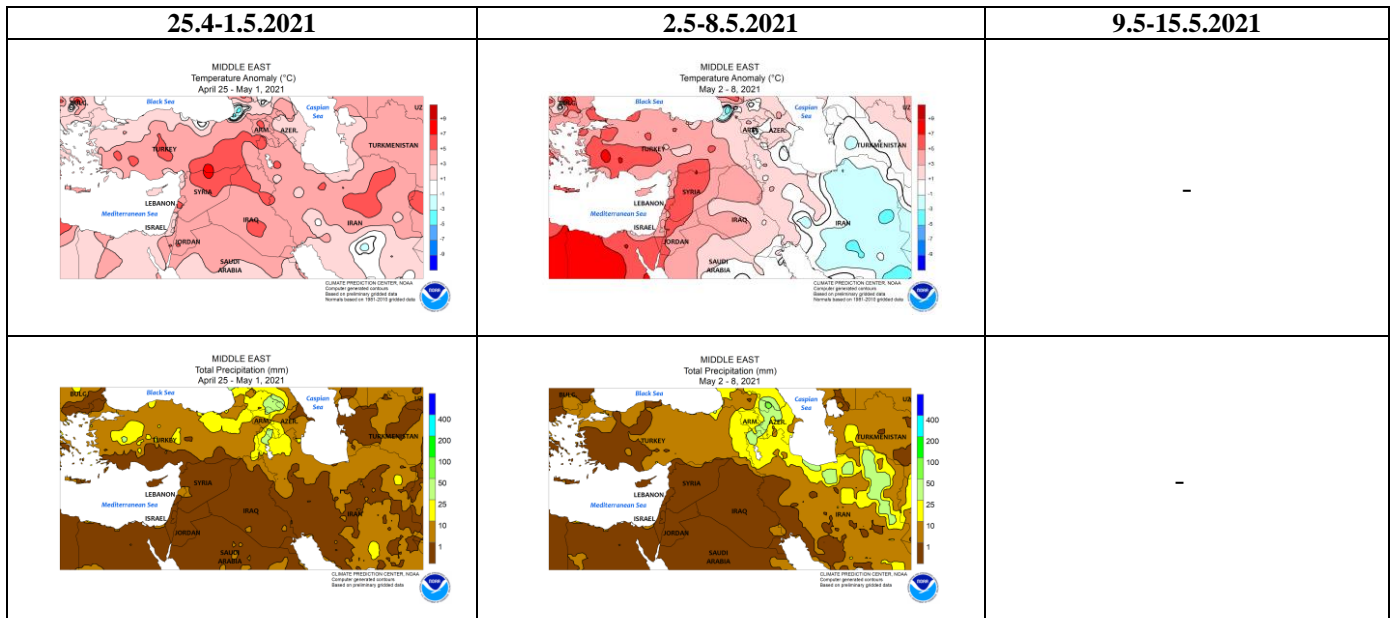


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

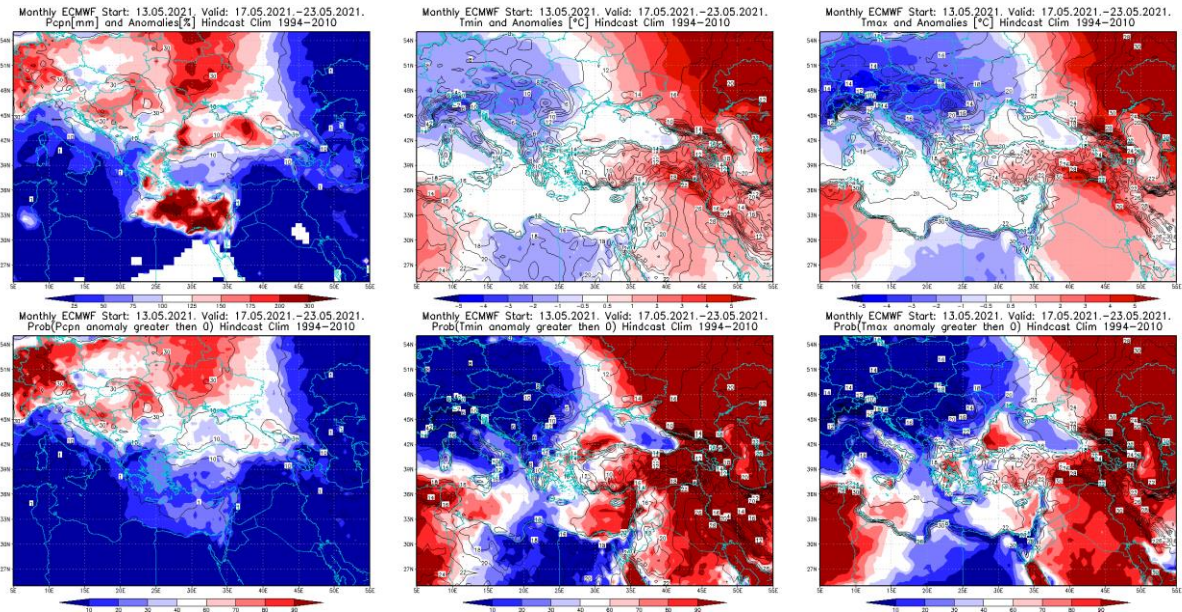


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 17-23.5.2021 period

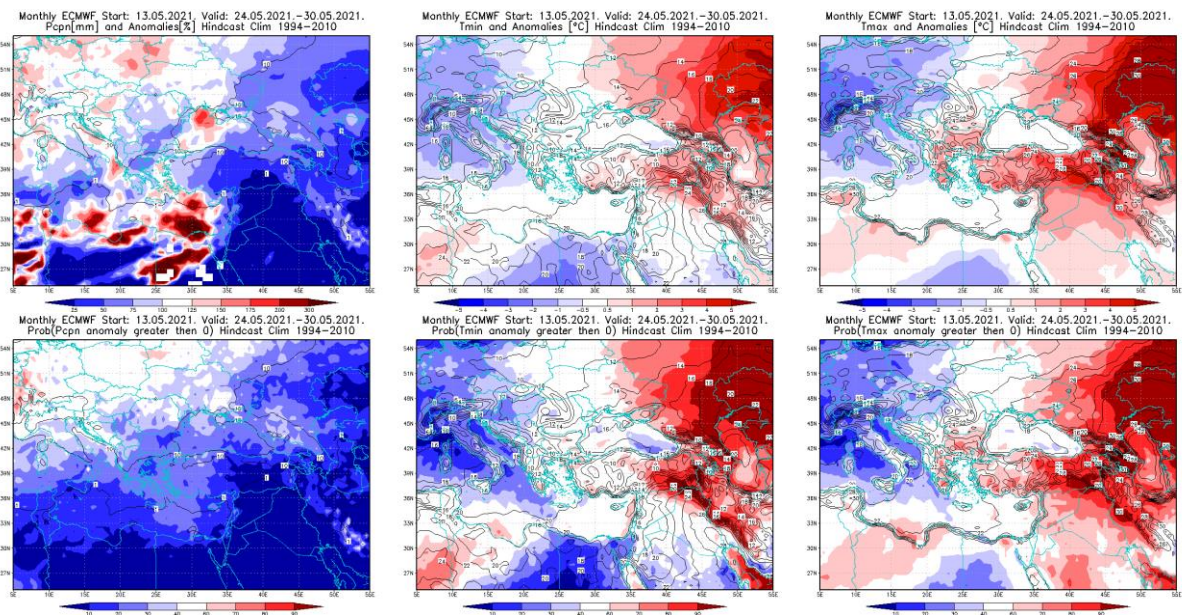


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 24-30.5.2021 period

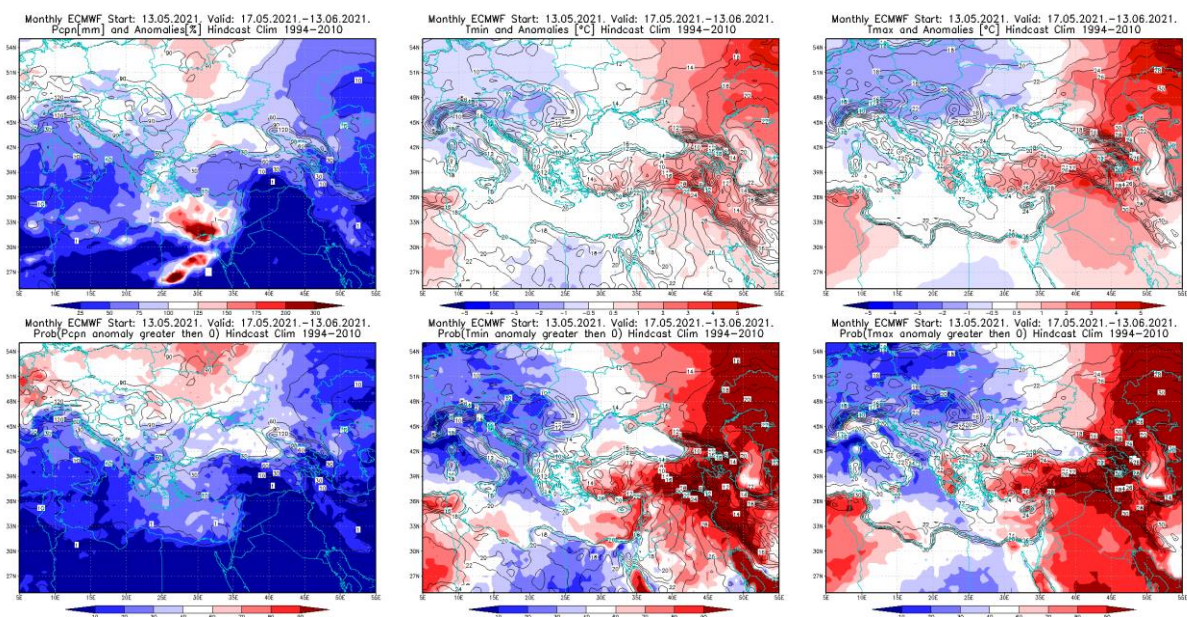


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 17.5–13.6.2021 period

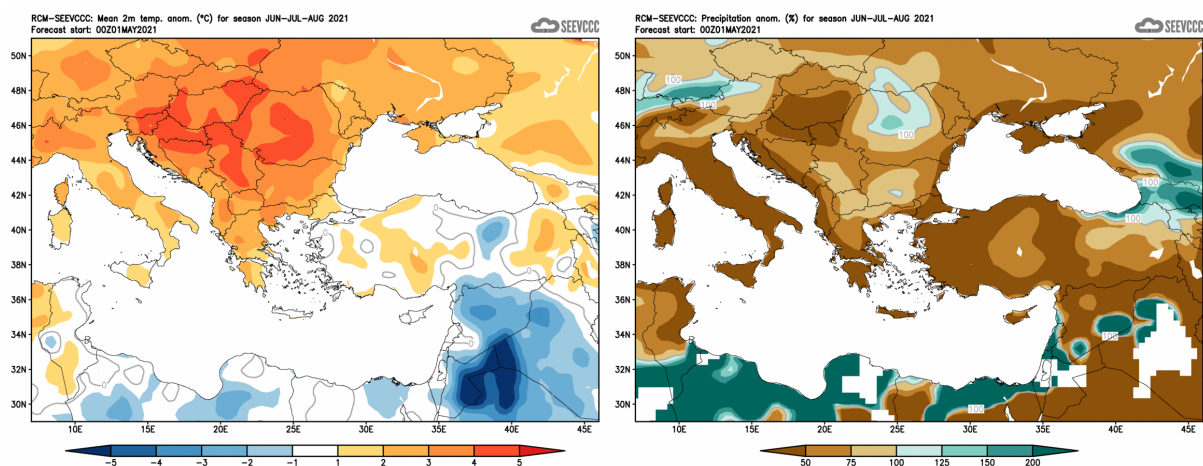


Figure 6. Mean seasonal temperature and precipitation anomaly for the season JJA (seasonal outlook from RCM – SEEVCCC)

Sources

- Republic Hydrometeorological Service of Serbia (www.hidmet.gov.rs)
- 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/>)