

Climate Watch (Serial No.: 20210503–18)

Initial/Updated/Final

Topic: temperature and precipitation

Organization issuing the statement: SEEVCCC

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Cancelled

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Valid from – to: 3-5-2021 – 31-7-2021 Next amendment: 10-5-2021

Region of concern: **southern Balkans, Cyprus, Turkey, South Caucasus and Middle East**

„Within the following four weeks (3 to 30 May 2021), ECMWF monthly forecast predicts above average temperature for the southern Balkans, Cyprus, Turkey, South Caucasus and Middle East, with anomaly up to +4°C and up to 90% probability in Turkey, Cyprus and Middle East for exceeding upper tercile. Precipitation deficit is predicted for some parts of eastern and southern Balkans, Cyprus, Turkey and the Middle East, with 80% probability for exceeding lower tercile.”

Monitoring

During the period from 25 April to 1 May 2021, precipitation sums were below 25 mm in almost the entire SEE region, only some parts of northwestern Balkans and Carpathian Mountains in northern Romania received more than 50 mm of precipitation.

Outlook

Within the first week (3 to 9 May 2021), ECMWF monthly forecast predicts above normal mean weekly air temperature for the southern Balkans, Cyprus, most of Turkey and Middle East, with anomaly up to +5°C and up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for almost the entire SEE region, with probability ranging from 60% in the north up to 90% in the south for exceeding lower tercile.

During the second week (10 to 16 May 2021), above average temperature is predicted for the entire SEE region, with +1°C anomaly and up to 60% probability in northern parts, up to +5°C anomaly and 90% probability for exceeding upper tercile in Cyprus, Turkey and Middle East. Precipitation deficit is forecasted for the Aegean Sea, Cyprus, most of Turkey and Middle East, with around 70% probability for exceeding lower tercile.

In the period from 3 to 30 May 2021, above average temperature is predicted for the southern Balkans, Cyprus, Turkey, South Caucasus and Middle East, with anomaly up to +4°C and up to 90% probability in Turkey, Cyprus and Middle East for exceeding upper tercile. Precipitation deficit is predicted for some parts of eastern and southern Balkans, Cyprus, Turkey and the Middle East, with 80% probability for exceeding lower tercile.

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

Update

An updated statement will be issued on 10-5-2021

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

ANNEX

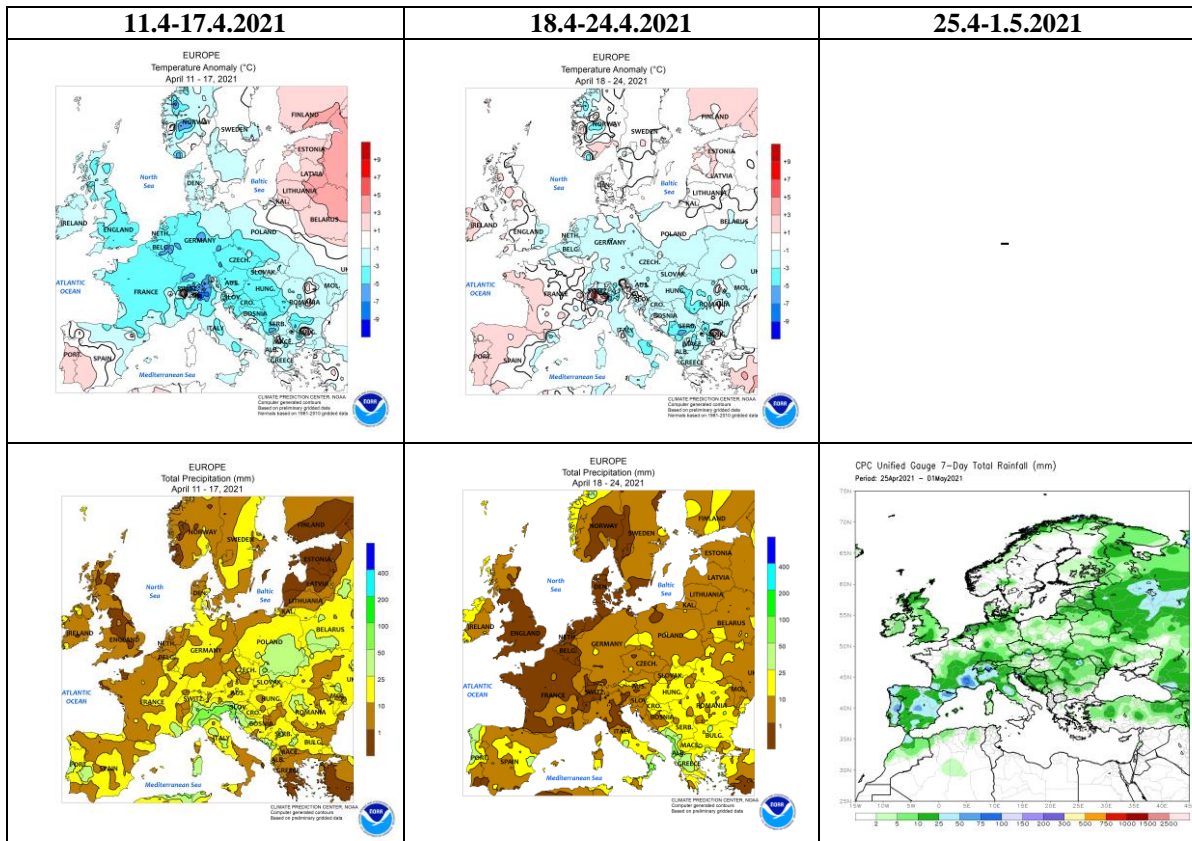


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

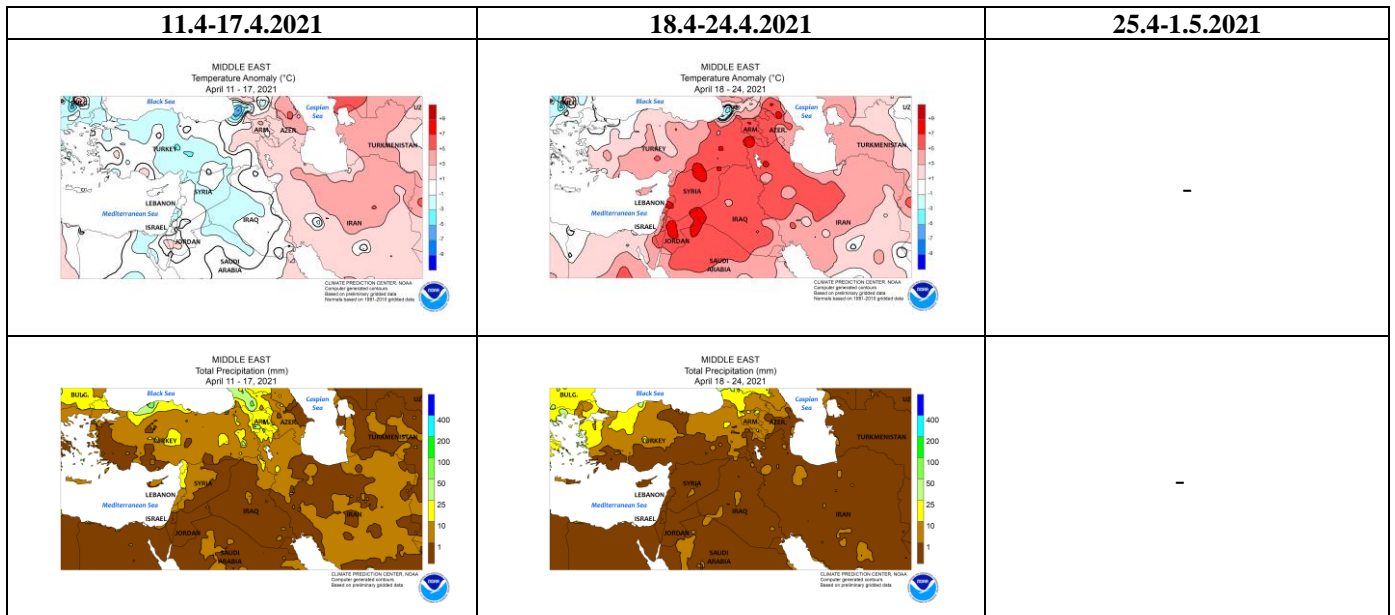


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

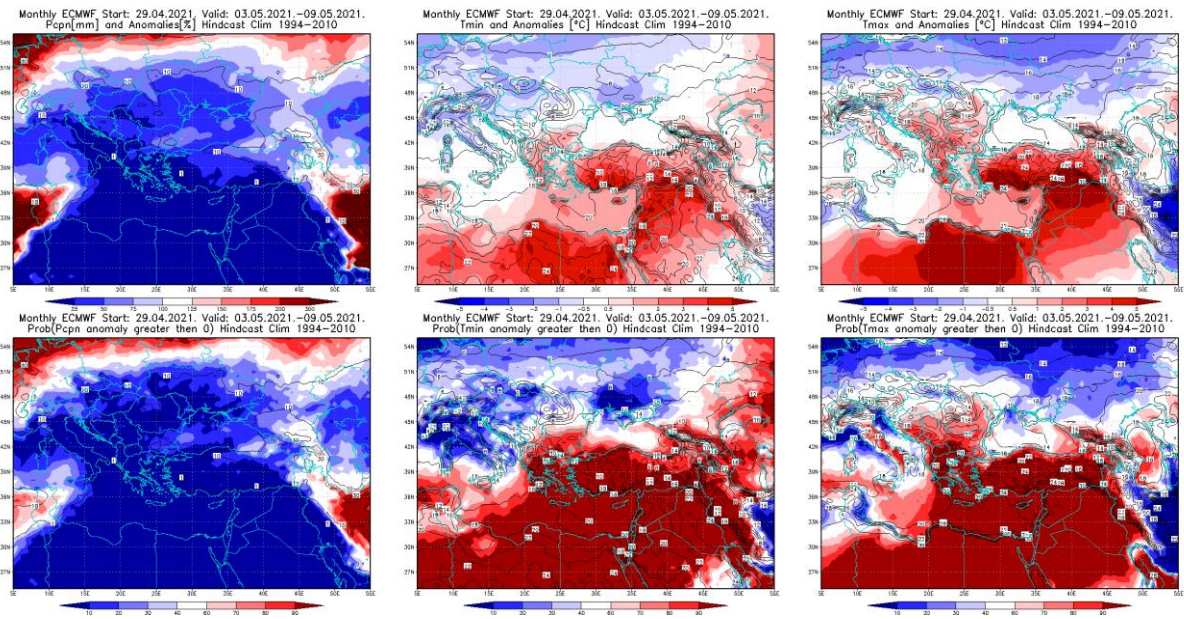


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 3-9.5.2021 period

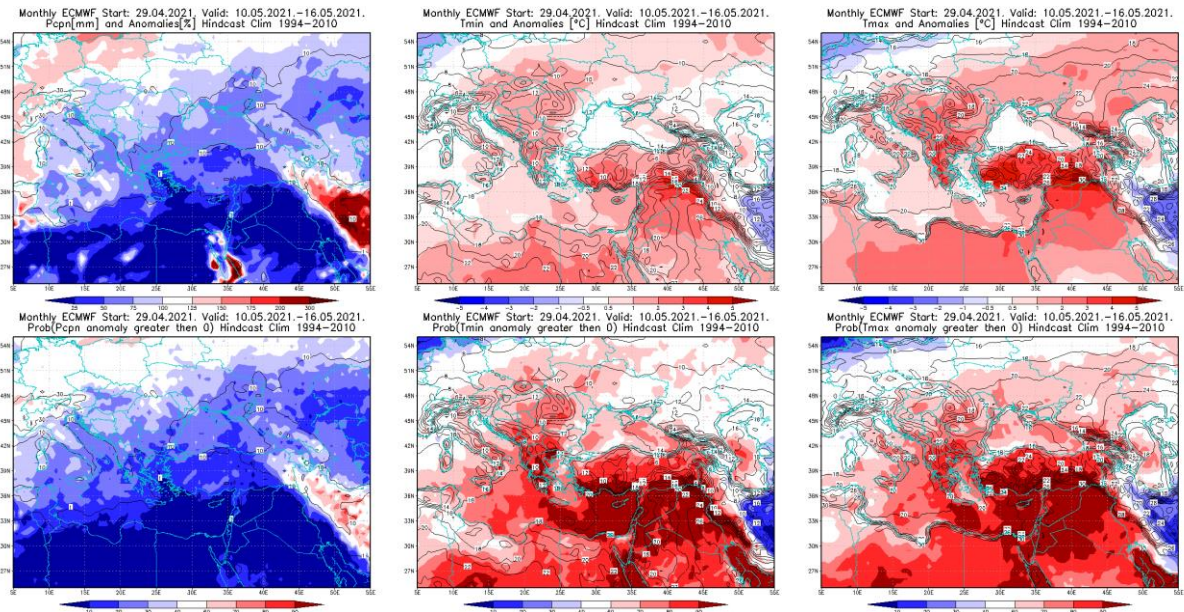


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 10–16.5.2021 period

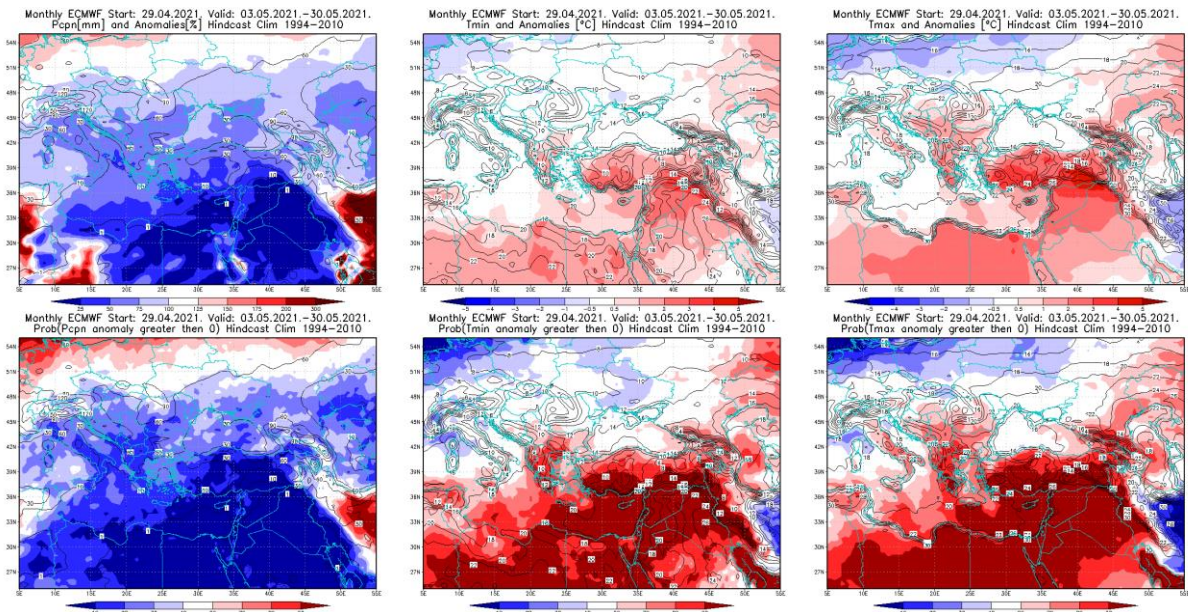


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 3–30.5.2021 period

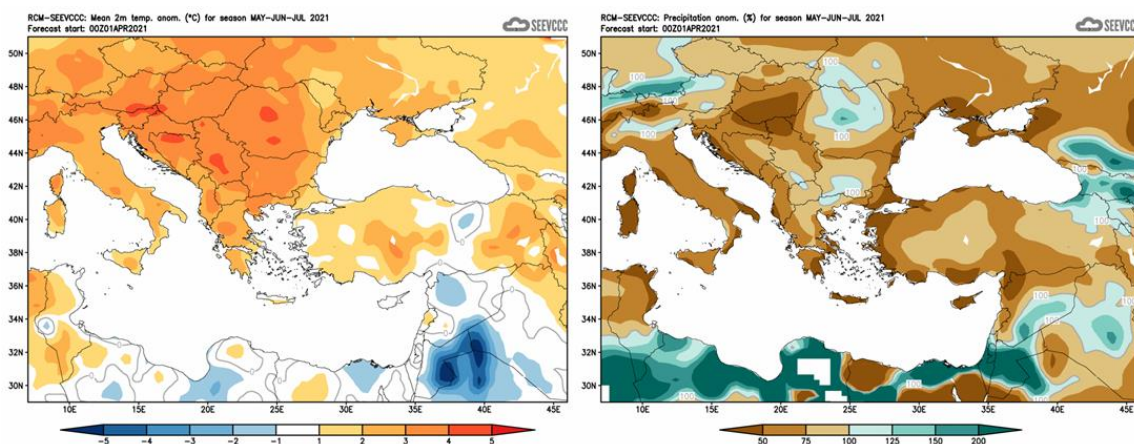


Figure 6. Mean seasonal temperature and precipitation anomaly for the season MJJ (seasonal outlook from RCM – SEEVCCC)

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/>)