

Climate Watch (Serial No.: 20210426– 17)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

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Cancelled

Contact: E-mail: cws-seevccc@hidmet.gov.rs
Phone: +381112066925
Fax: +381112066929

Valid from – to: 26-4-2021 – 31-7-2021 Next amendment: 3-5-2021

Region of concern: **SEE**

„Within the first week (26 April to 2 May 2021), ECMWF monthly forecast predicts precipitation surplus for the northeastern Balkans, with around 80% probability for exceeding upper tercile.”

Monitoring

During the period from 18th April to 24th April 2021, precipitation sums were mostly below 25 mm, in most of the region, while some parts of Greece received more than 150 mm of precipitation.

Outlook

Within the first week (26 April to 2 May 2021), ECMWF monthly forecast predicts below normal mean weekly air temperature for the northeastern Balkans, with anomaly up to -3°C and around 80% probability for exceeding lower tercile. Above average temperature is predicted for Turkey and the southern Balkans with anomaly reaching up to $+5^{\circ}\text{C}$ and more, and 90% probability for exceeding upper tercile. Precipitation surplus is predicted for the northeastern Balkans, with around 80% probability for exceeding upper tercile. Precipitation deficit is predicted for most of Turkey and the southern Balkans with up to 90% probability for exceeding lower tercile.

During the second week (3 to 9 May 2021), above average temperature is predicted for Turkey and the southern Balkans with anomaly up to $+6^{\circ}\text{C}$ and up to 80% probability for exceeding upper tercile. Below normal mean weekly air temperature is expected in Moldova and Ukraine with anomaly up to -3°C . Probability for exceeding lower tercile is up to 70%. Precipitation deficit is predicted for the southern Balkans and Turkey with around 70% probability for exceeding lower tercile.

In the period from 26 April to 23 May 2021, above average temperature is predicted for Turkey and the southern Balkans with anomaly around $+2^{\circ}\text{C}$ and around 70% probability for exceeding upper tercile. Below normal mean weekly air temperature is expected in the northeastern Balkans with anomaly around -2°C and up to 80% probability for exceeding lower tercile. Average precipitation sums are expected for most of the Balkans. Precipitation deficit is predicted for Turkey and the southern Balkans with around 70% 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 3-5-2021

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

ANNEX

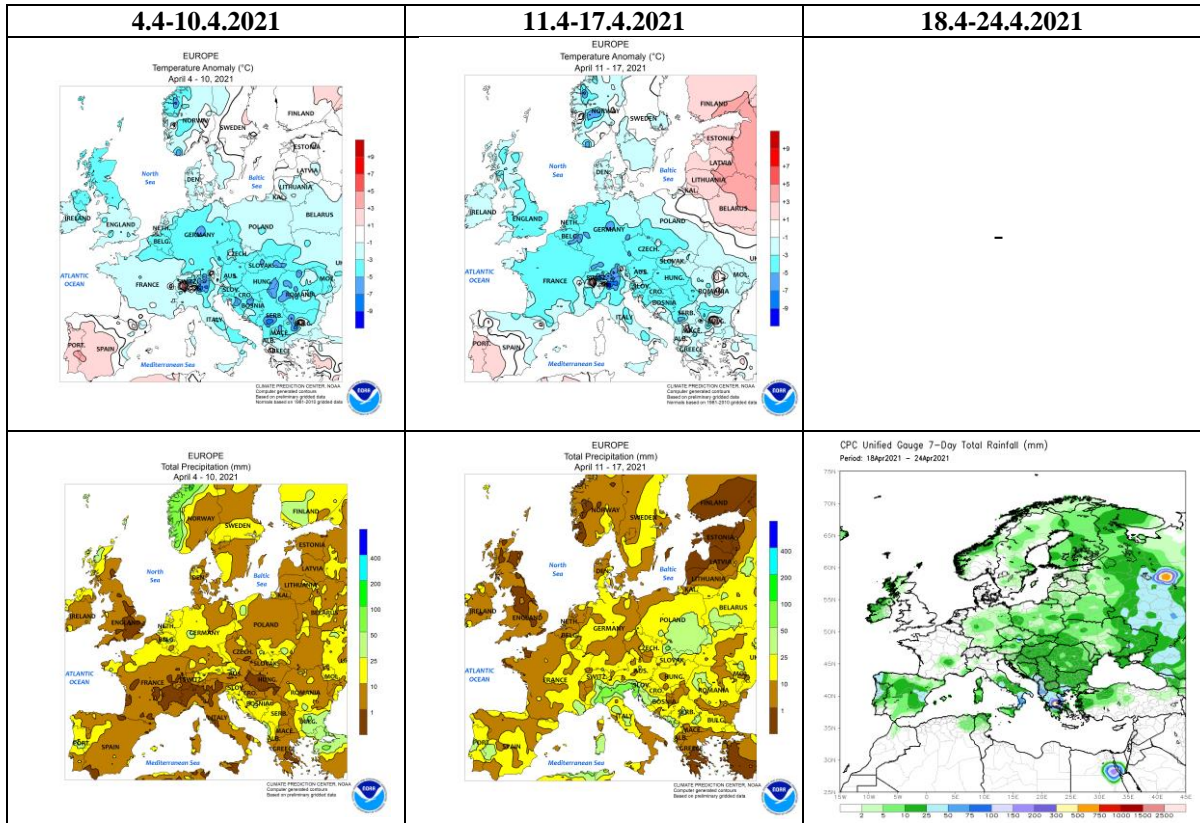


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

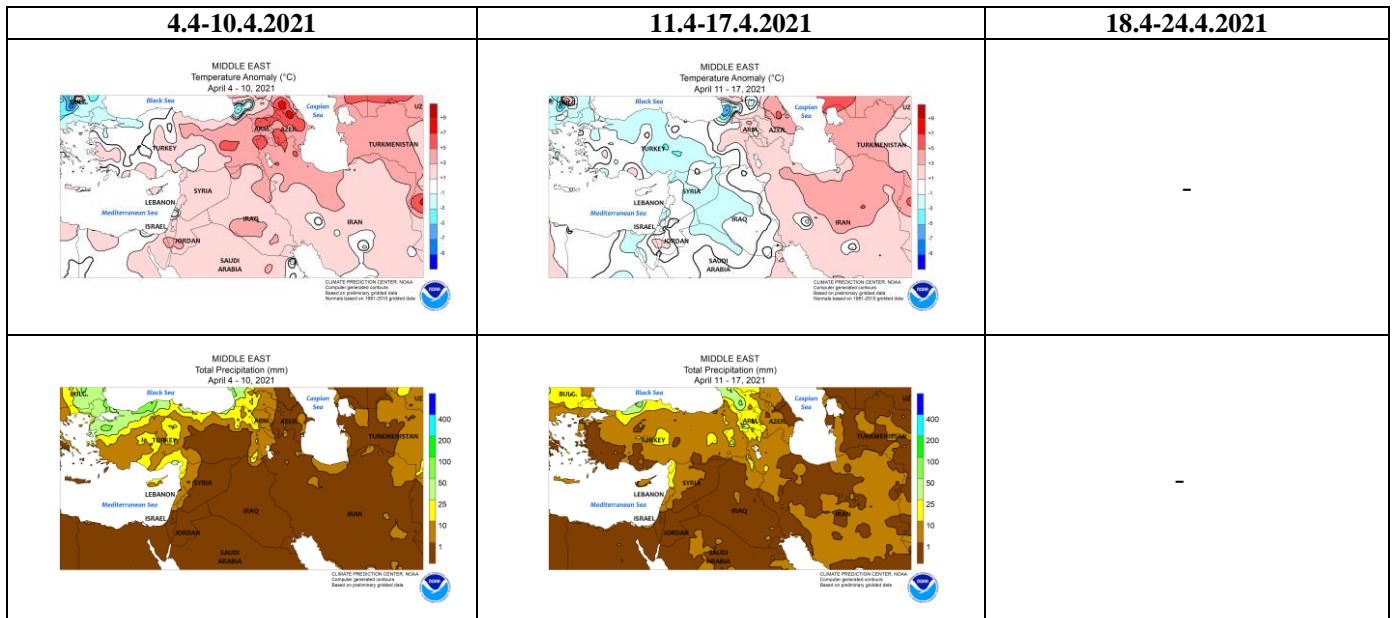


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

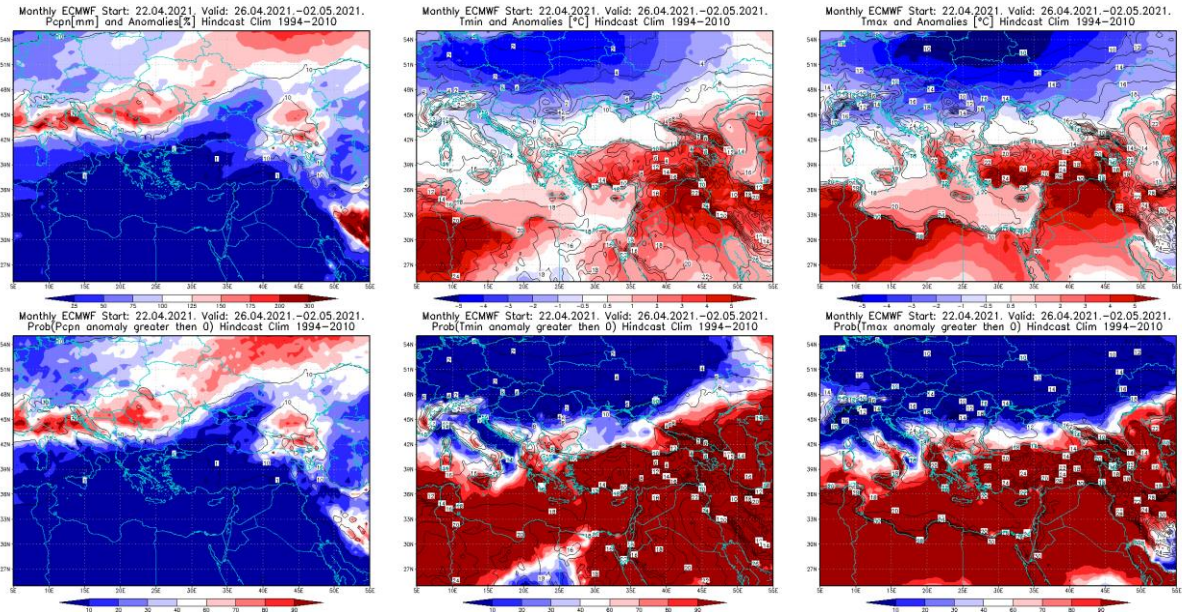


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 26.4-2.5.2021 period

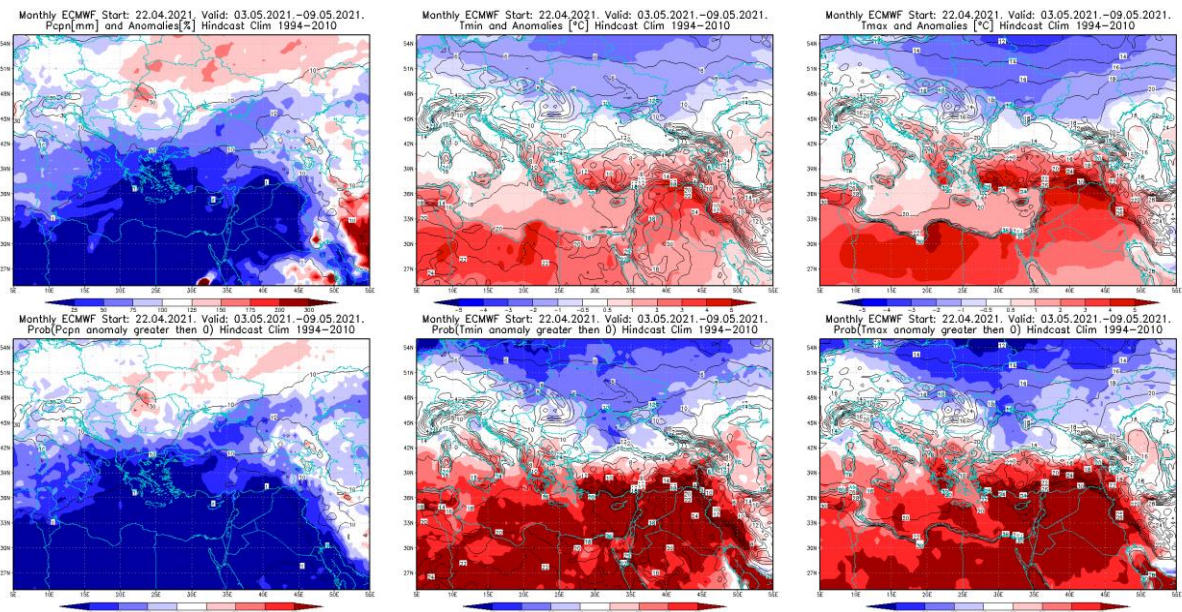


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 3.5-9.5.2021 period

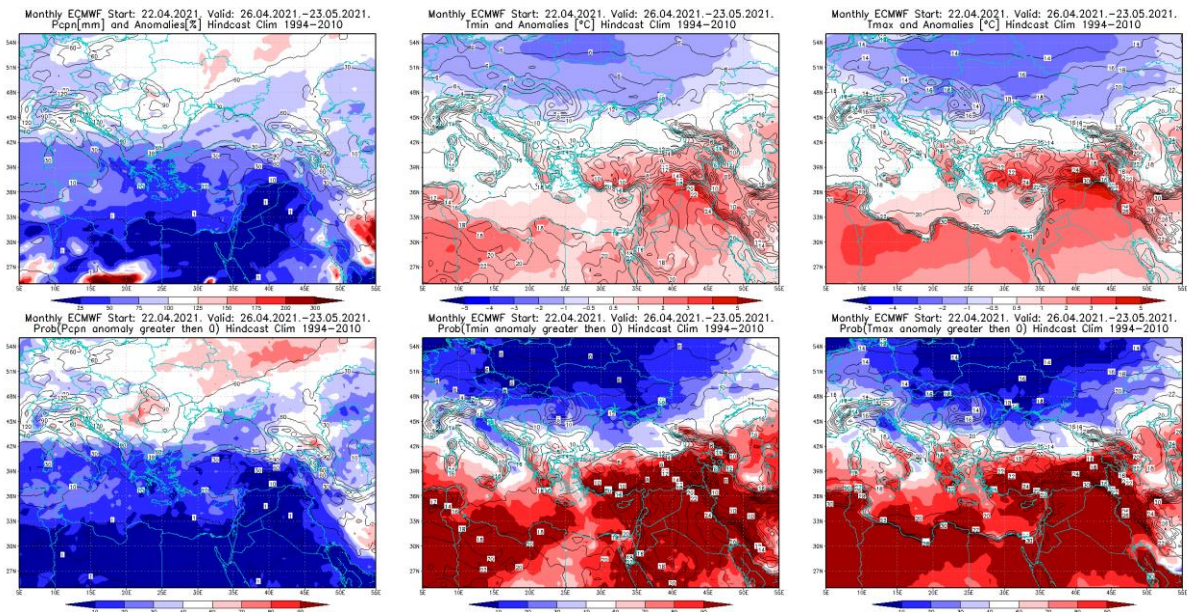


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 26.4 –23.5.2021 period

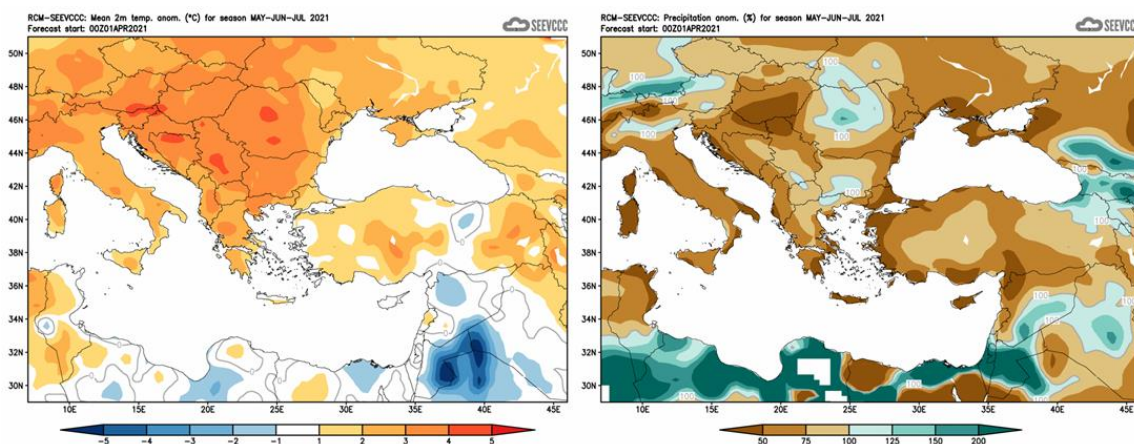


Figure 6. Mean seasonal temperature and precipitation anomaly for the season MJJ (seasonal outlook from RCM – SEEVCCC)

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/>)