

Climate Watch (Serial No.: 20200427 – 16)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

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Cancelled

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Region of concern: **the Balkans, Turkey, South Caucasus**

„In the period from April 27th to May 3rd 2020, below normal mean weekly air temperature is expected for southern and eastern Turkey, South Caucasus, Cyprus and Israel with anomaly up to -2°C. Probability for exceeding lower tercile is around 90% for eastern Turkey and parts of the South Caucasus. Precipitation surplus is predicted for most of the Balkans and western Turkey. Probability for exceeding upper tercile is up to 90% in the southern Balkans.”

Monitoring

During the period from April 19th to 26th 2020, above normal air temperature was observed in Moldova, most of the Balkans, western Turkey and Middle East, with anomaly up to +3°C. Below normal air temperature was registered in most of Ukraine, Turkey, Greece as well as South Caucasus, with anomaly up to -4°C. Almost the entire SEE region received up to 25 mm of precipitation. Precipitation sums reached up to 100 mm in some parts of Greece and South Caucasus.

Outlook

Within the first week (April 27th to May 3rd 2020), ECMWF monthly forecast predicts below normal mean weekly air temperature for southern and eastern Turkey, South Caucasus, Cyprus and Israel with anomaly up to -2°C. Probability for exceeding lower tercile is around 90% for eastern Turkey and parts of the South Caucasus. Above normal mean weekly air temperature is predicted for the northwestern Balkans, parts of the central, southern and eastern Balkans, with anomaly up to +3°C and probability for exceeding upper tercile up to 90%. Precipitation surplus is predicted for most of the Balkans and western Turkey. Probability for exceeding upper tercile is up to 90% in the southern Balkans. Precipitation deficit is forecasted for Ukraine with low probability.

During the second week (May 4th to May 10th 2020), above normal mean weekly air temperature is expected in most of the Balkans, with anomaly up to +4°C in eastern Balkans, and with up to 80% probability for exceeding upper tercile. Precipitation surplus is expected in Cyprus, Jordan and Israel, with around 60% probability for exceeding upper tercile.

In the period from April 27th to May 24th 2020, above normal mean monthly air temperature is expected in most of the Balkans, Moldova and parts of Ukraine with anomaly around +3°C. Probability for exceeding upper tercile is around 80%. Precipitation surplus is expected in western Turkey and the Aegean Sea, with up to 60% probability for exceeding upper tercile.

During the following three months (May, June and July) seasonal forecast predicts above normal seasonal air temperature for the Balkans and central and eastern Turkey. Precipitation surplus is predicted for the Carpathian region, eastern Turkey and in South Caucasus. Precipitation deficit is expected in the southern and part of western Balkans, Cyprus and western Turkey.

Update

An updated statement will be issued on 27-4-2020

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

ANNEX

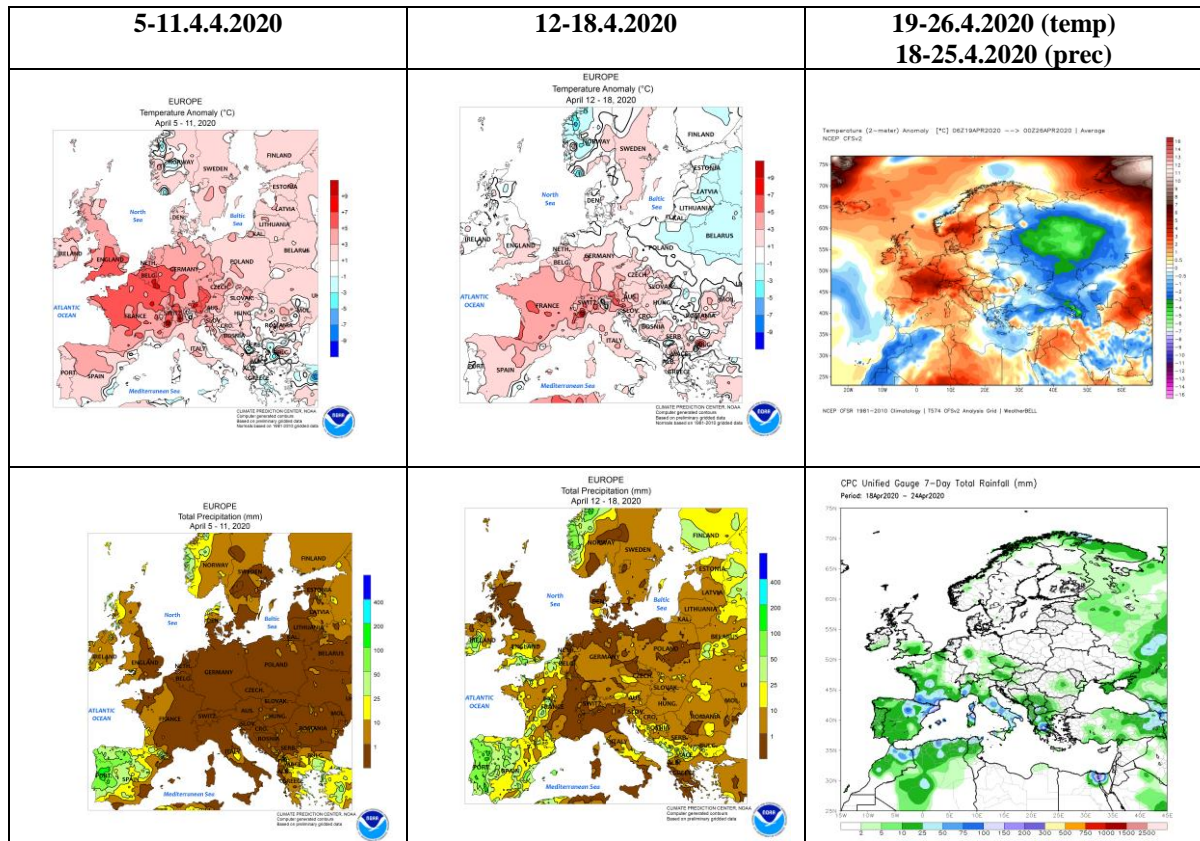


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

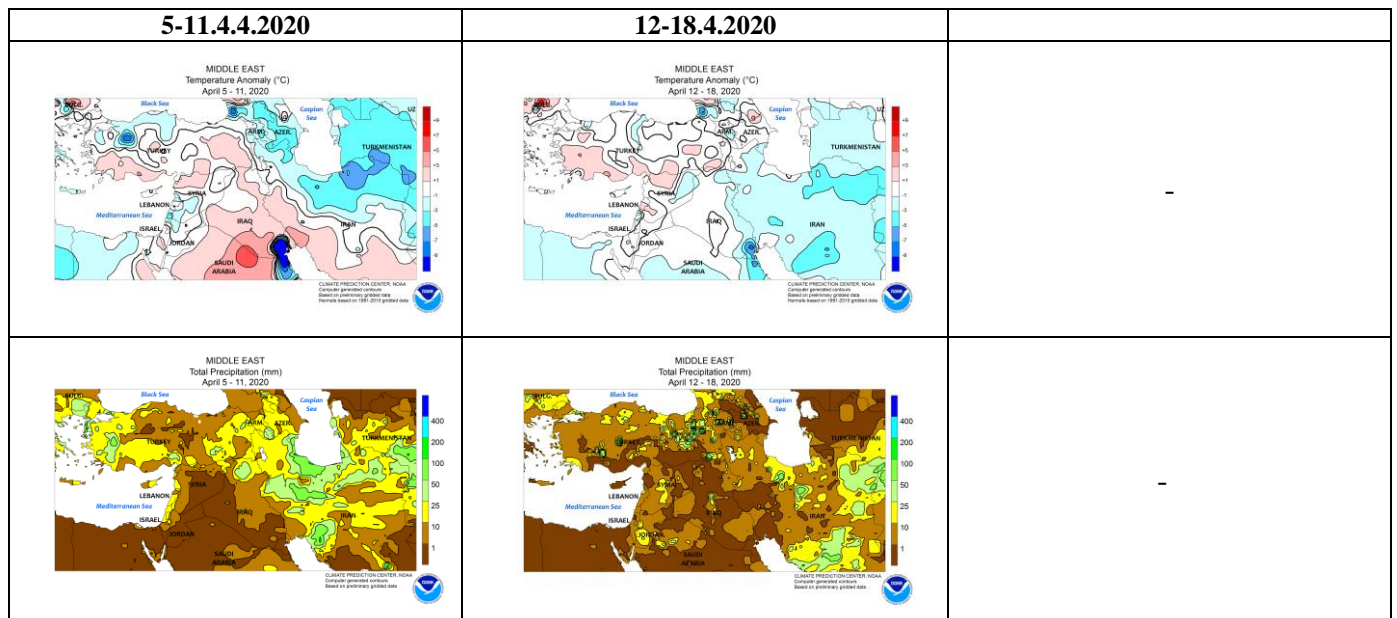


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

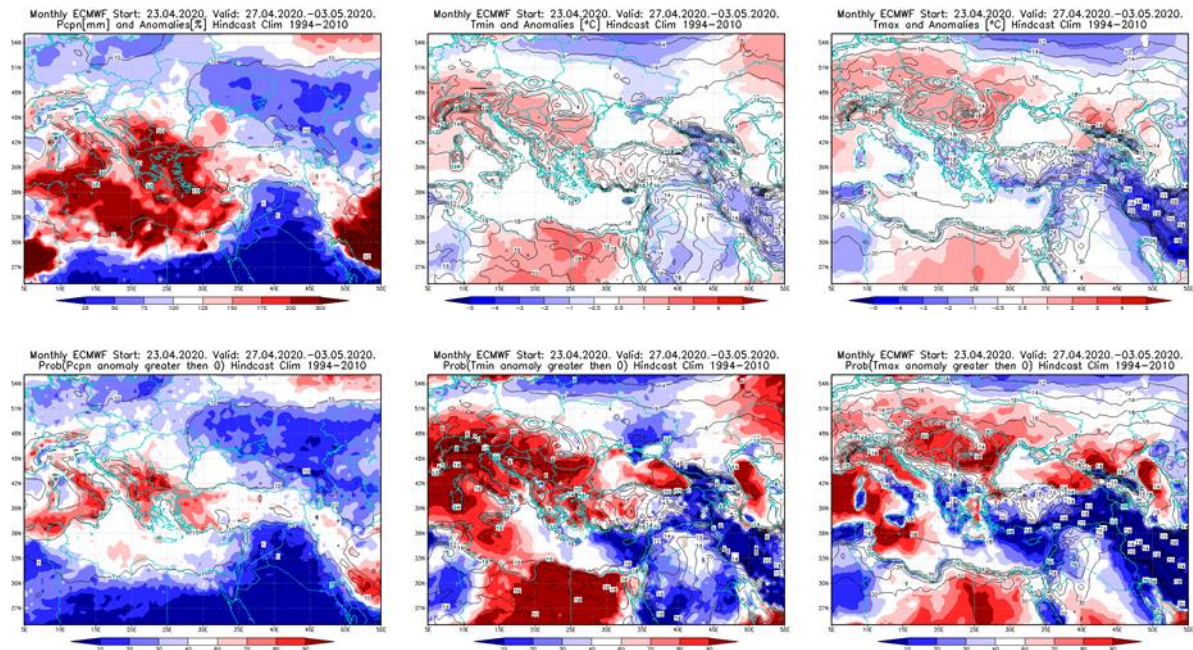


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 27.4–3.5.2020 period

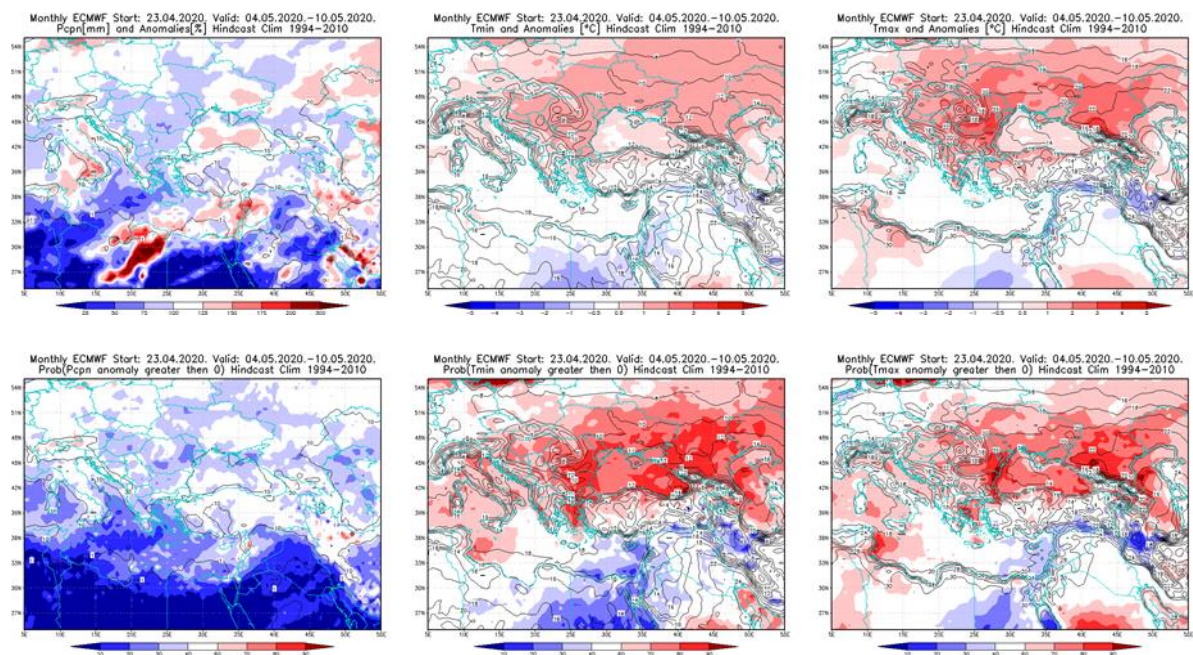


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 4.5–10.5.2020 period

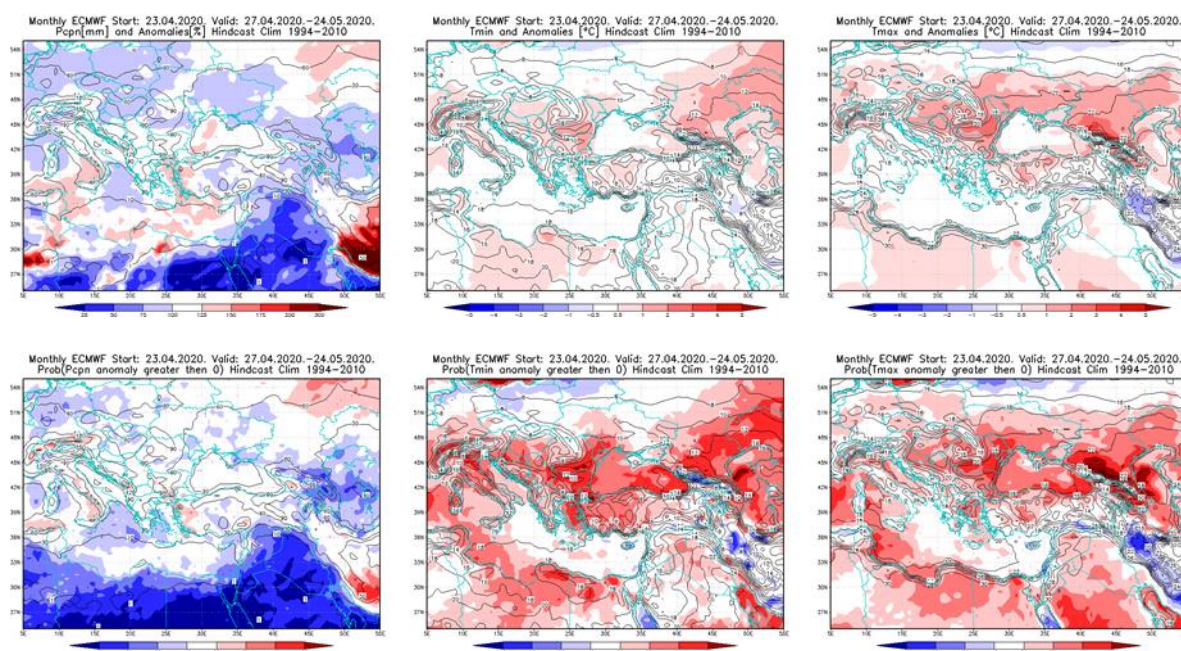


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 27.4–24.5.2020 period

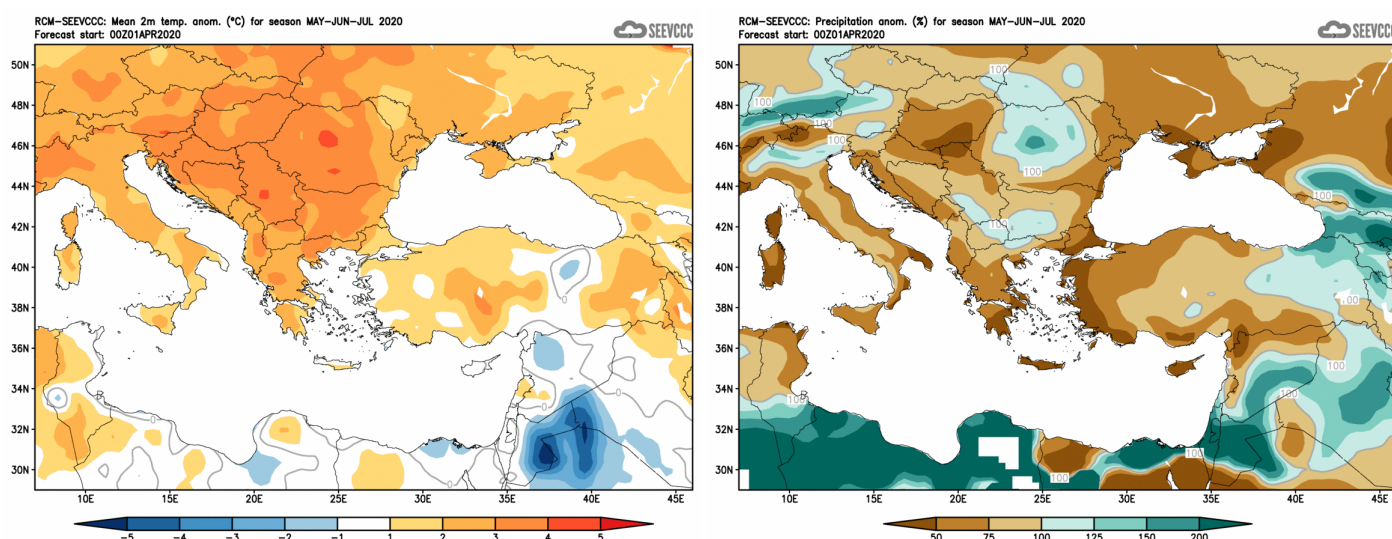


Figure 6. Mean seasonal temperature and precipitation anomaly for the season MJJ (seasonal outlook from RCM – SEEVCCC)

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/>)