

Climate Watch (Serial No.: 20200511 – 19)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

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Valid from – to: 11-5-2020 – 31-7-2020 Next amendment: 18-5-2020

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

„In the period from May 11th to 17th 2020, above normal mean weekly air temperature is expected for most of the Balkans and Turkey, with anomaly up to +5°C and probability for exceeding upper tercile up to 90%. Below normal mean weekly air temperature is predicted for eastern Turkey and South Caucasus, with anomaly up to -4°C and probability for exceeding lower tercile up to 90%. Precipitation deficit is predicted for most of the region. Probability for exceeding lower tercile is up to 90%.“

Monitoring

During the period from May 4th to 11th 2020, below normal air temperature was observed in most of the region, with anomaly up to -6°C in Turkey. Most of the Balkans received up to 25 mm of precipitation. Precipitation sums reached up to 75 mm in Romania, Ukraine as well as some parts of southern and eastern Turkey and South Caucasus.

Outlook

Within the first week (May 11th to 17th 2020), ECMWF monthly forecast predicts above normal mean weekly air temperature for most of the Balkans and Turkey, with anomaly up to +5°C and probability for exceeding upper tercile up to 90%. Below normal mean weekly air temperature is predicted for eastern Turkey and South Caucasus, with anomaly up to -4°C and probability for exceeding lower tercile up to 90%. Precipitation deficit is predicted for most of the region. Probability for exceeding lower tercile is up to 90%.

During the second week (May 18th to 24th 2020), average temperature is expected in most of the region. Above normal mean weekly air temperature is expected in the southern Balkans and southern Turkey, with anomaly up to +2°C and probability for exceeding upper tercile up to 70%. Average temperature is expected for most of the region.

In the period from May 11th to June 7th 2020, above normal mean monthly air temperature is expected in the southern Balkans and Turkey, with up to +2°C anomaly and up to 80% probability for exceeding upper tercile. Below normal mean weekly air temperature is predicted for South Caucasus, with anomaly up to -3°C and probability for exceeding lower tercile up to 80%. Precipitation deficit is expected in the southern Balkans and Turkey, with up to 80% probability for exceeding upper tercile. In rest of the region average precipitation is expected.

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 18-5-2020

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

ANNEX

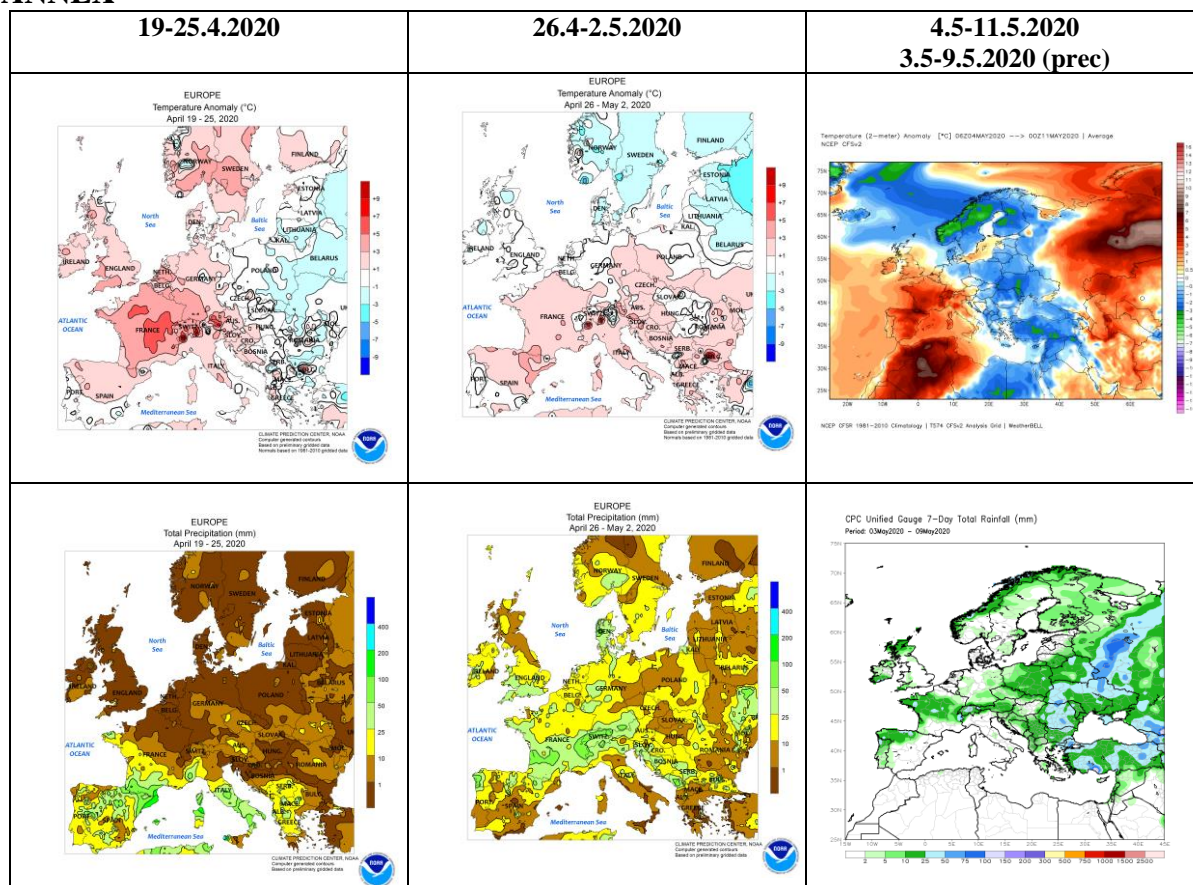


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

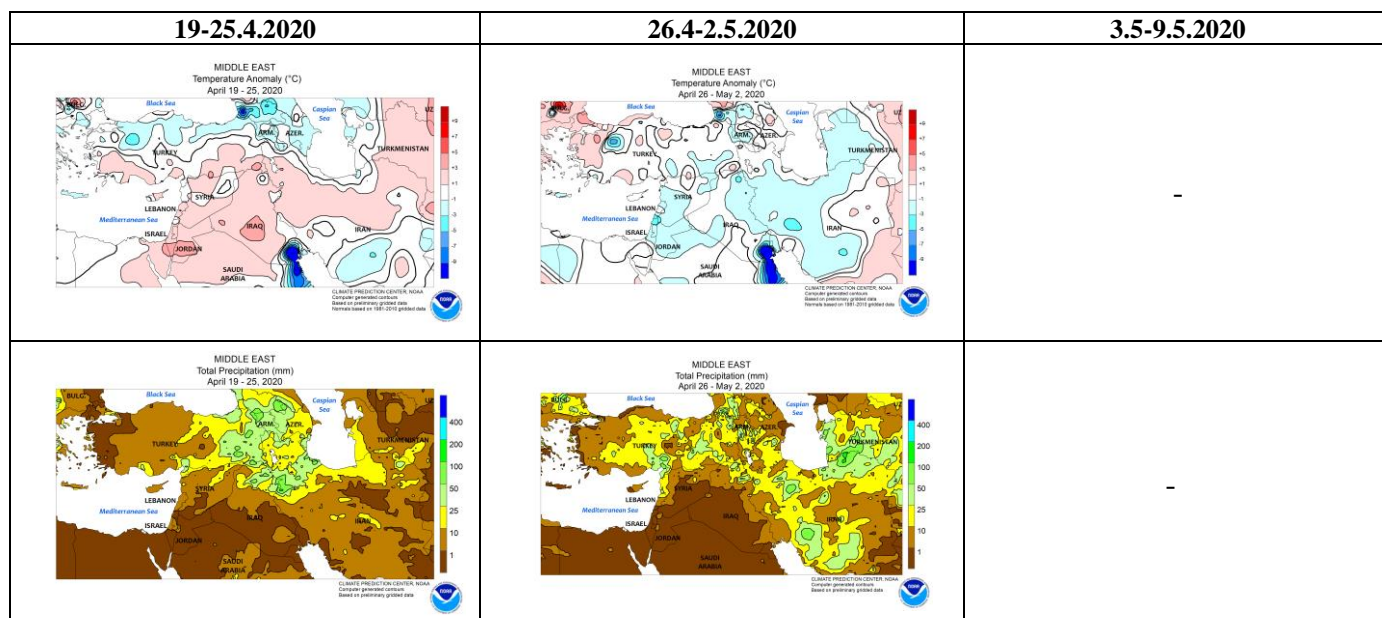


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

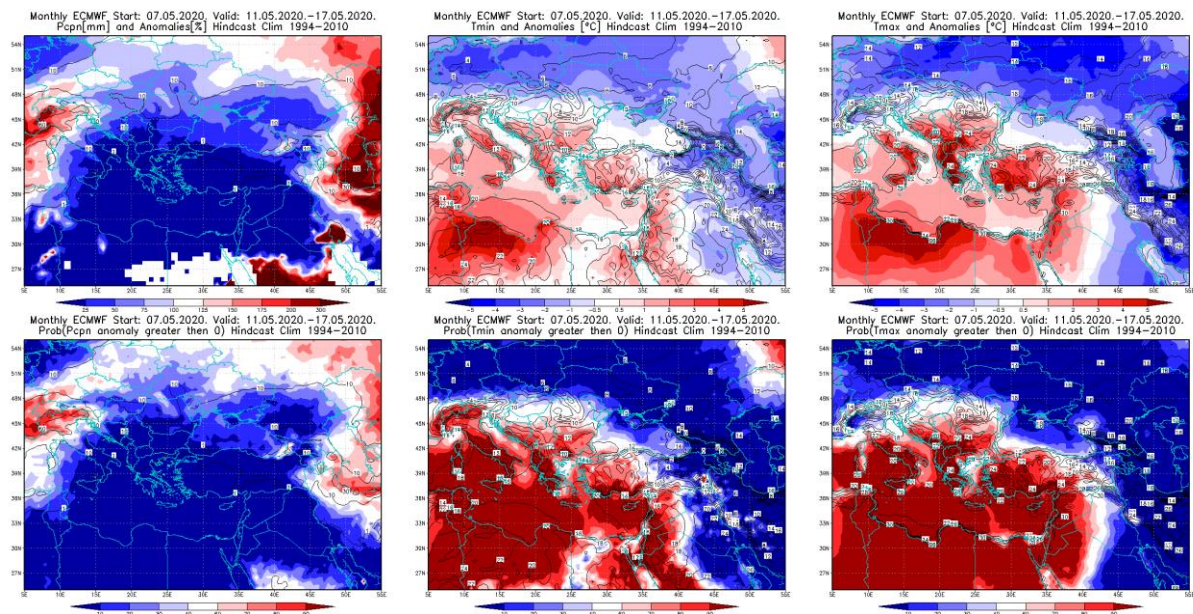


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 11.5–17.5.2020 period

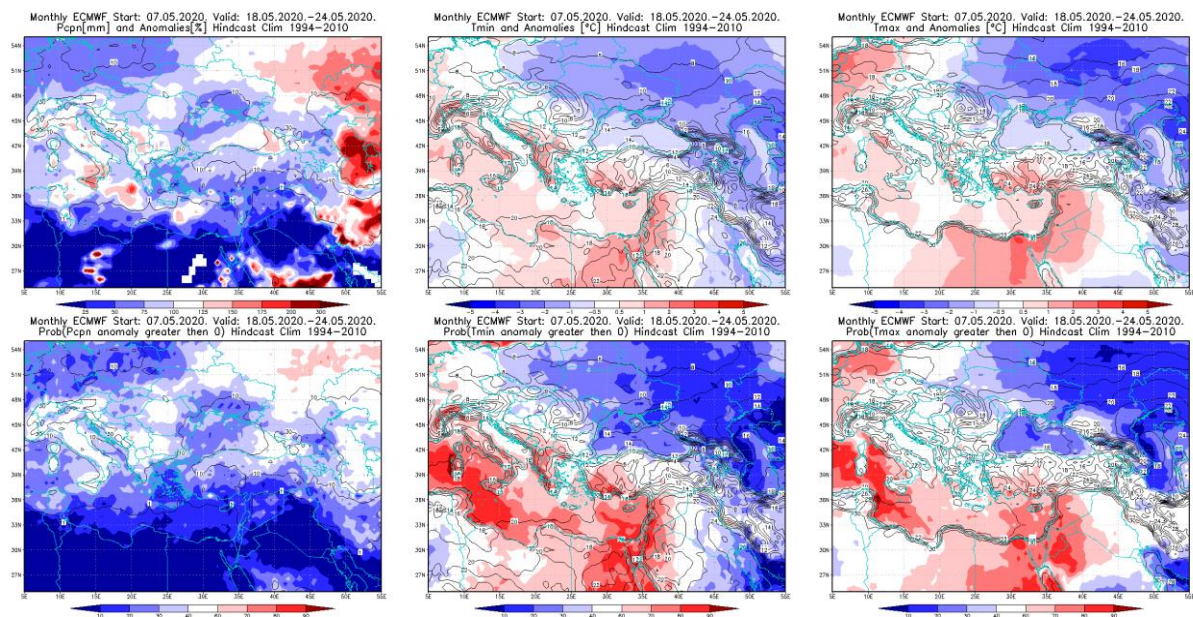


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 18.5–24.5.2020 period

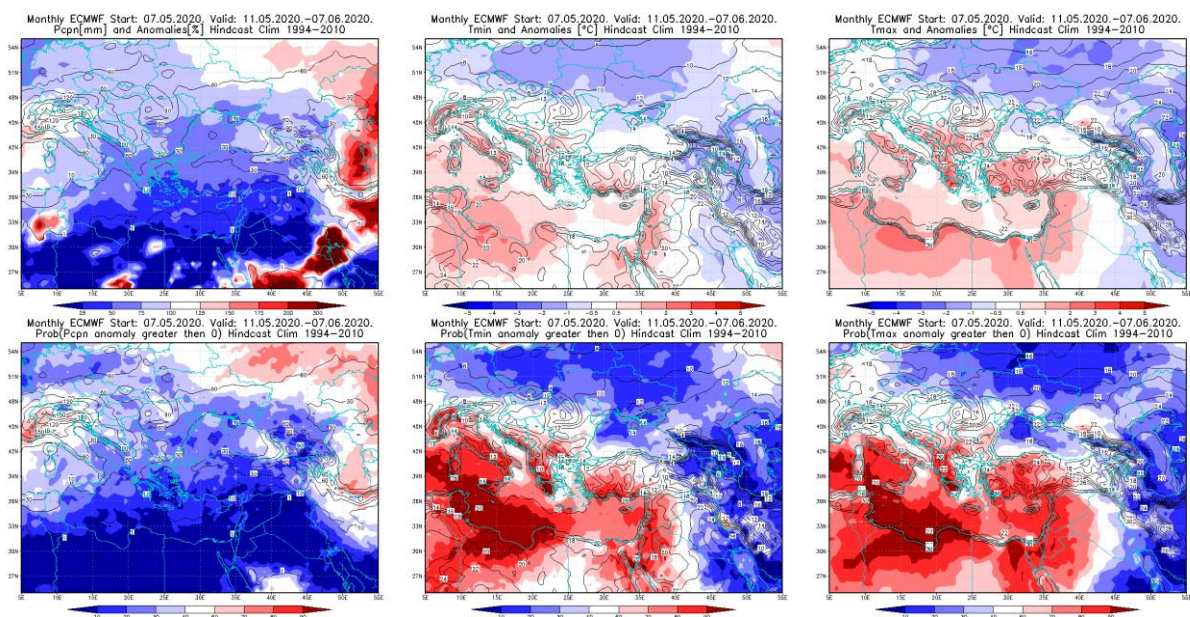


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 11.5–7.6.2020 period

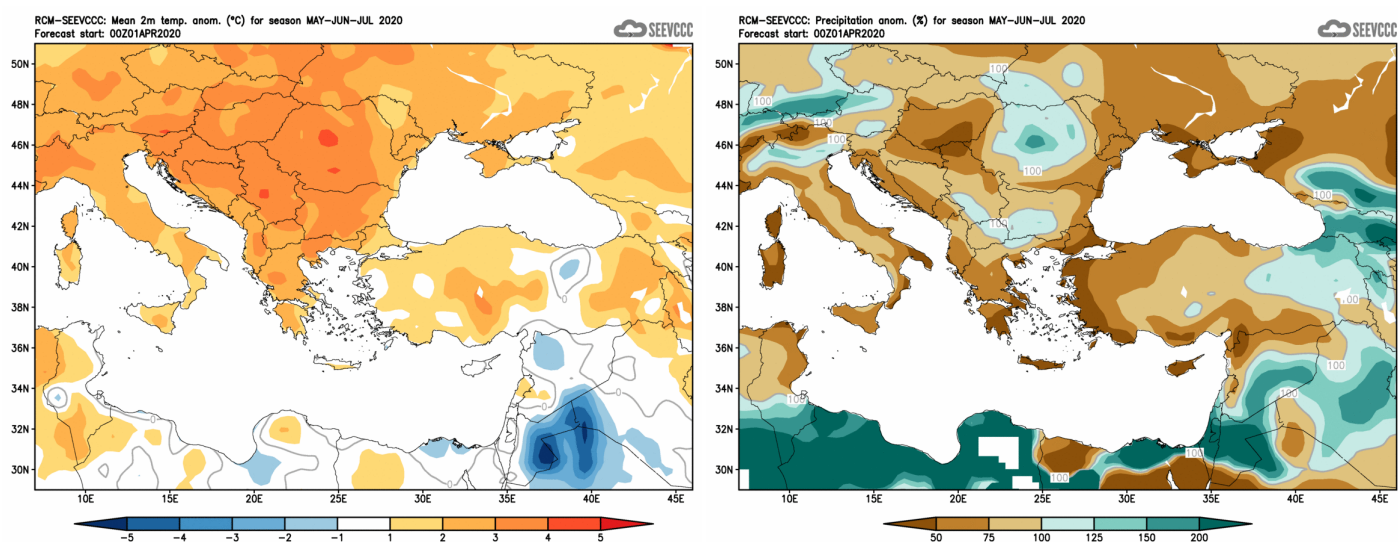


Figure 6. Mean seasonal temperature and precipitation anomaly for the season MJJ (seasonal outlook from RCM – SEEVCCC)

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/>)