

Climate Watch (Serial No.: 20200413 – 15)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

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Cancelled

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Valid from – to: 13-4-2020 – 31-7-2020 Next amendment: 20-4-2020

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

„In the period from April 13th to 19th 2020, below normal mean weekly air temperature is expected in Turkey and south Caucasus, with anomaly up to -4°C. Probability for exceeding lower tercile is around 80%. Above normal mean weekly air temperature is predicted for the northern and western Balkans, with anomaly up to +2°C and probability for exceeding upper tercile around 70%. Precipitation deficit is predicted for most of the Balkans, western Turkey and Mediterranean Sea. Probability for exceeding lower tercile is up to 80%.“

Monitoring

During the period from April 5th to 11th 2020, above normal air temperature was observed in the northern and western Balkans, with anomaly up to +4°C. Below normal air temperature was registered in rest of the SEE region, with anomaly ranging from -1°C up to -6°C. Most of the Balkans didn't receive any notable precipitation sums. Precipitation sums reached up to 50 mm in some parts of southern Bulgaria and southwestern Turkey.

Outlook

Within the first week (April 13th to 19th 2020), ECMWF monthly forecast predicts below normal mean weekly air temperature in Turkey and south Caucasus, with anomaly up to -4°C. Probability for exceeding lower tercile is around 80%. Above normal mean weekly air temperature is predicted for the northern and western Balkans, with anomaly up to +2°C and probability for exceeding upper tercile around 70%. Precipitation deficit is predicted for most of the Balkans, western Turkey and Mediterranean Sea. Probability for exceeding lower tercile is up to 80%.

During the second week (April 20th to 26th 2020), below normal mean weekly air temperature is expected in eastern Turkey, with anomaly up to -2°C and up to 60% probability for exceeding lower tercile. Above normal mean weekly air temperature, with anomaly up to +2°C, is forecasted for most of the Balkans with probability up to 60% for exceeding upper tercile. Average precipitation is expected for most of the Balkans. Precipitation surplus is expected in central Turkey, with around 60% probability for exceeding upper tercile.

In the period from April 13th to May 10th 2020, above normal mean monthly air temperature is expected in the northern and western Balkans, with anomaly up to +2°C. Below normal mean monthly air temperature is forecasted for the south Caucasus and most of Turkey, with anomaly around -2°C. Probability for exceeding upper/lower tercile is up to 80%. Average precipitation is expected for most of the SEE region.

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 20-4-2020

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

ANNEX

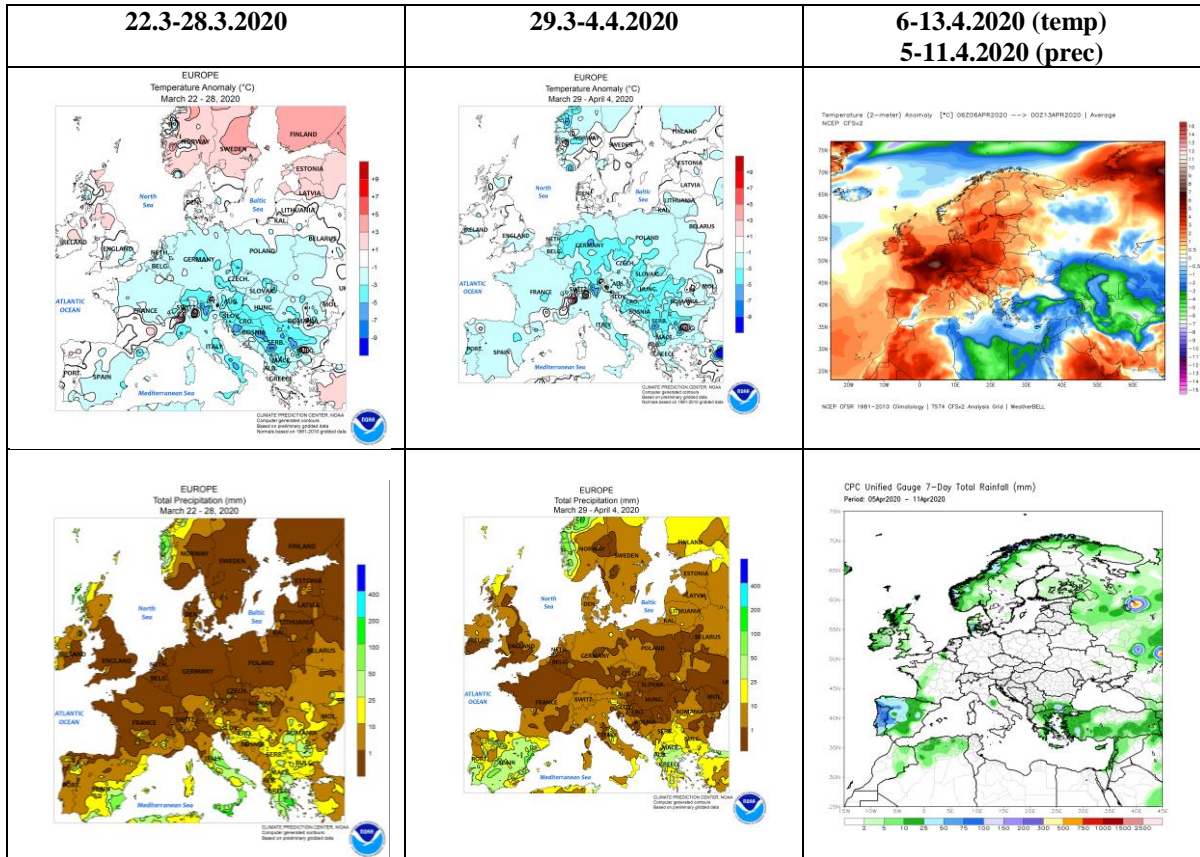


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

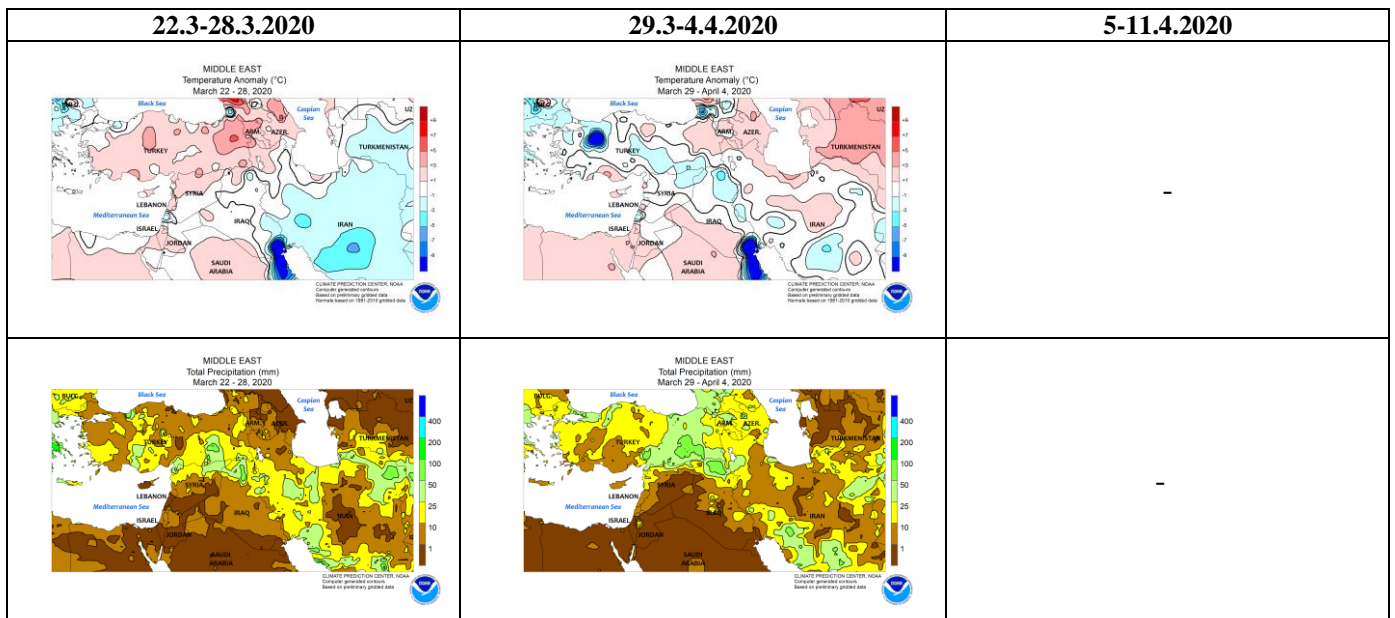


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

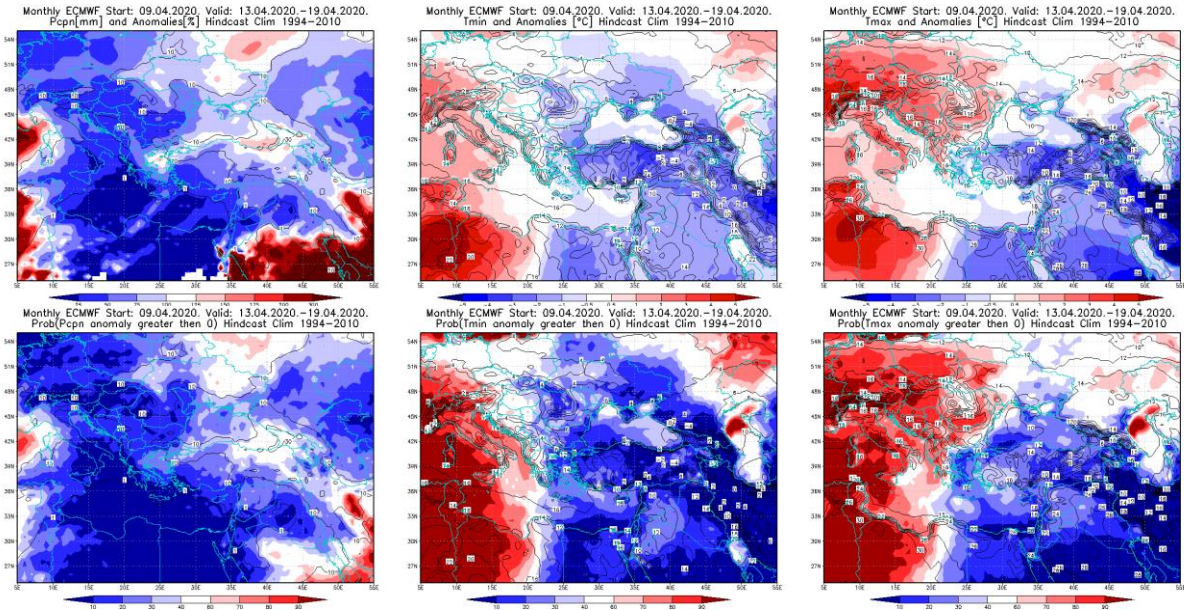


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 13 – 19.4.2020 period

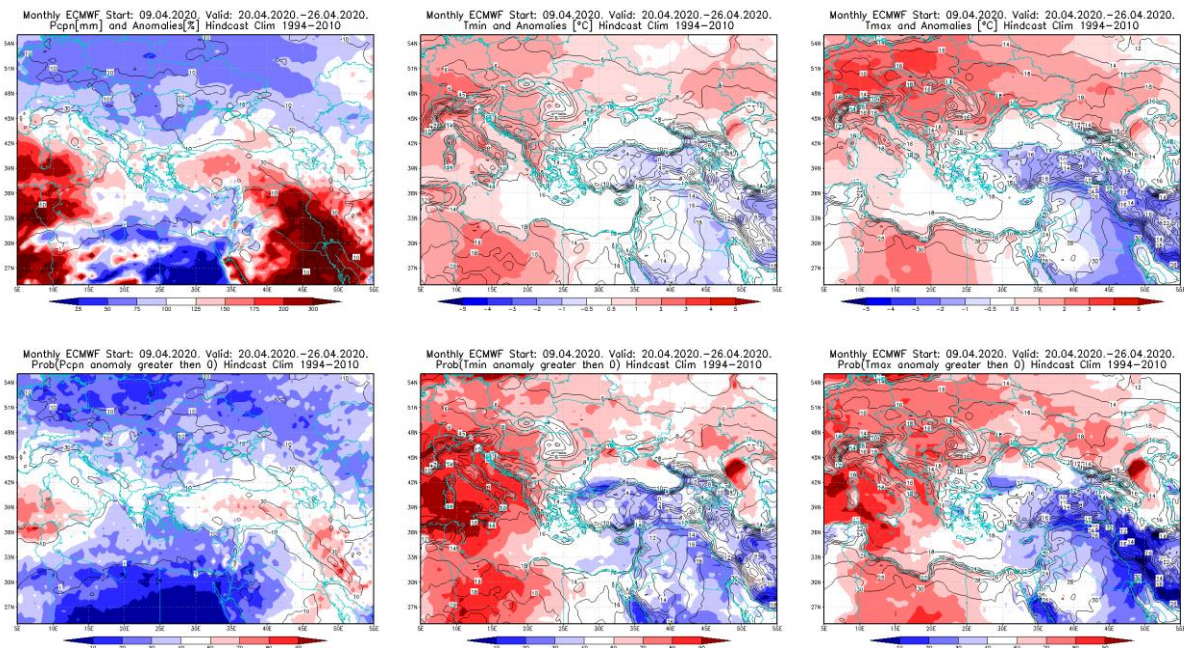


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 20– 26.4.2020 period

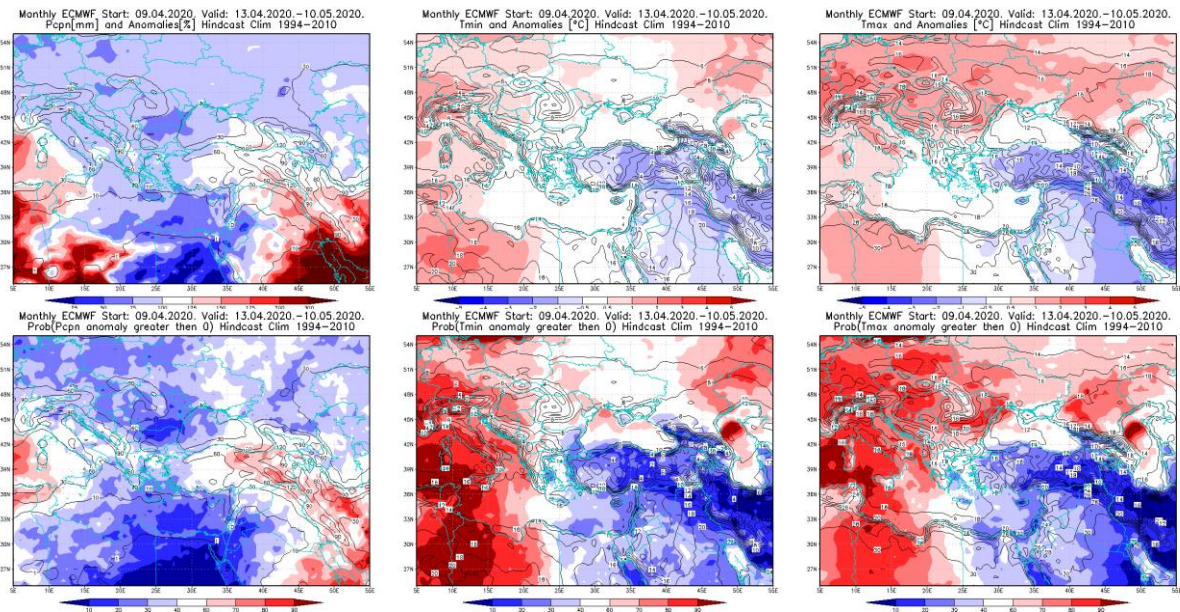


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 13.4 – 10.5.2020 period

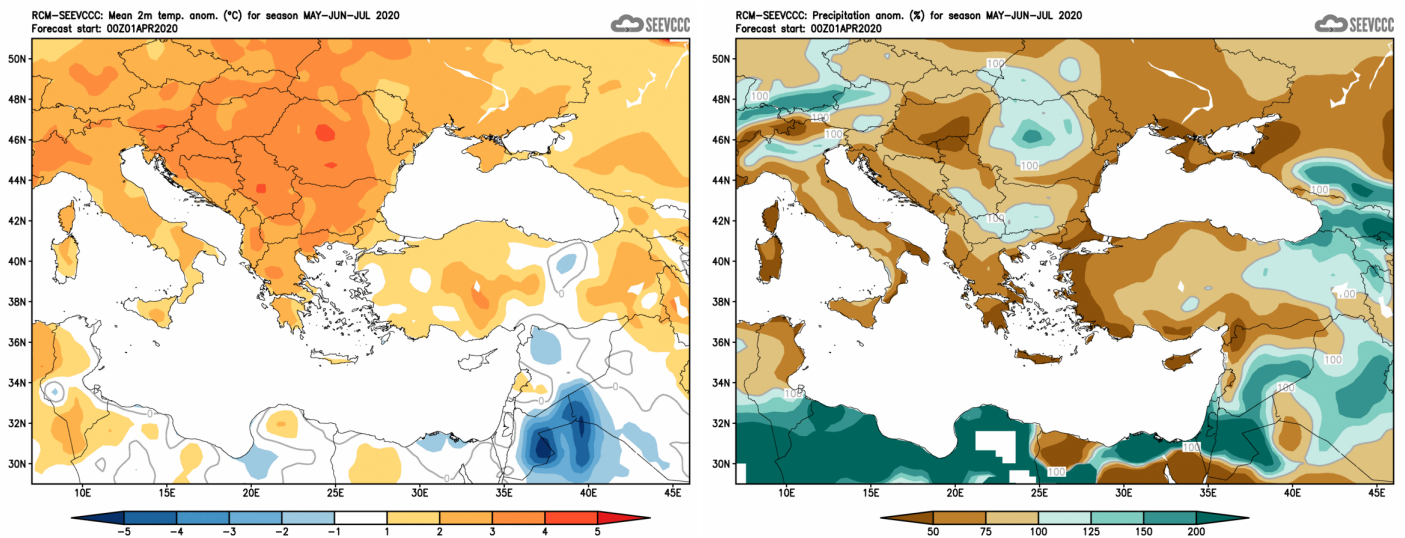


Figure 6. Mean seasonal temperature and precipitation anomaly for the season MJJ (seasonal outlook from RCM – SEEVCCC)

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/>)