

Climate Watch (Serial No.: 20200518 – 20)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 18-5-2020 12:00 P.M.

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Valid from – to: 18-5-2020 – 31-8-2020 Next amendment: 25-5-2020

Region of concern: **SEE**

„In the period from May 18th to 24th 2020, above normal mean weekly air temperature is predicted for Turkey, Eastern Mediterranean, south Caucasus and the southern Balkans, with anomaly in a range from +3°C in the south Caucasus and the southern Balkans up to +6°C in the Eastern Mediterranean and southern Turkey. Probability for exceeding upper tercile is around 90%. Below normal mean weekly air temperature is predicted for Ukraine, Moldova, Romania and the northern and northwestern Balkans, with anomaly in a range from -2°C in the Balkans up to -6°C in northern Ukraine. Probability for exceeding lower tercile is in a range from 60% in the Balkans up to 90% in Moldova and Ukraine. Precipitation surplus is expected in most of the Balkans, southern Moldova and most of Romania. Precipitation deficit is predicted for Turkey, Eastern Mediterranean, south Caucasus and part of southern Greece. Probability for exceeding upper/lower tercile is around 80%”

Monitoring

During the period from May 10th to 16th 2020, above normal air temperature was observed in most of the Balkans, Turkey and Eastern Mediterranean, with anomaly reaching up to +6°C. Below normal air temperature was registered in Ukraine and south Caucasus, with anomaly ranging from around -2°C in the south Caucasus and southern Ukraine up to -4°C in northern and northwestern Ukraine. Most of the SEE region received up to 25 mm of precipitation.

Outlook

Within the first week (May 18th to 24th 2020), ECMWF monthly forecast predicts above normal mean weekly air temperature for Turkey, Eastern Mediterranean, south Caucasus and the southern Balkans, with anomaly in a range from +3°C in the south Caucasus and the southern Balkans up to +6°C in the Eastern Mediterranean and southern Turkey. Probability for exceeding upper tercile is around 90%. Below normal mean weekly air temperature is predicted for Ukraine, Moldova, Romania and the northern and northwestern Balkans, with anomaly in a range from -2°C in the Balkans up to -6°C in northern Ukraine. Probability for exceeding lower tercile is in a range from 60% in the Balkans up to 90% in Moldova and Ukraine. Precipitation surplus is expected in most of the Balkans, southern Moldova and most of Romania. Precipitation deficit is predicted for Turkey, Eastern Mediterranean, south Caucasus and part of southern Greece. Probability for exceeding upper/lower tercile is around 80%.

During the second week (May 25th to 31st 2020), above normal weekly air temperature is forecasted for eastern Turkey and south Caucasus, with anomaly up to +2°C and probability for exceeding upper tercile around 80%. Below normal mean weekly air temperature is expected in Ukraine, with anomaly up to -2°C and low probability for exceeding lower tercile. Average temperature is expected elsewhere. Precipitation deficit is predicted for the western and southwestern Balkans, central and southern Turkey, Cyprus and most of Azerbaijan. Probability for exceeding lower tercile is around 60%.

In the period from May 18th to June 14th 2020, above normal mean monthly air temperature is expected in the southern Balkans, Turkey, Eastern Mediterranean and south Caucasus, with anomaly up to +2°C and up to 80% probability for exceeding upper tercile. Below normal mean weekly air temperature is predicted for northern and central Ukraine, with anomaly up to -2°C and probability for exceeding lower tercile around 70%. Average precipitation sums are expected in most of the SEE region.

During the following three months (June, July and August) seasonal forecast predicts above normal seasonal air temperature for the Balkans, Romania, Moldova and Ukraine. Below normal seasonal air temperature is expected in Jordan and parts of northeastern and southern Turkey. Precipitation surplus is predicted for the Carpathian region, northeastern Turkey, South Caucasus, most of Israel and Jordan. Precipitation deficit is expected in rest of the SEE region.

Update

An updated statement will be issued on 25-5-2020

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

ANNEX

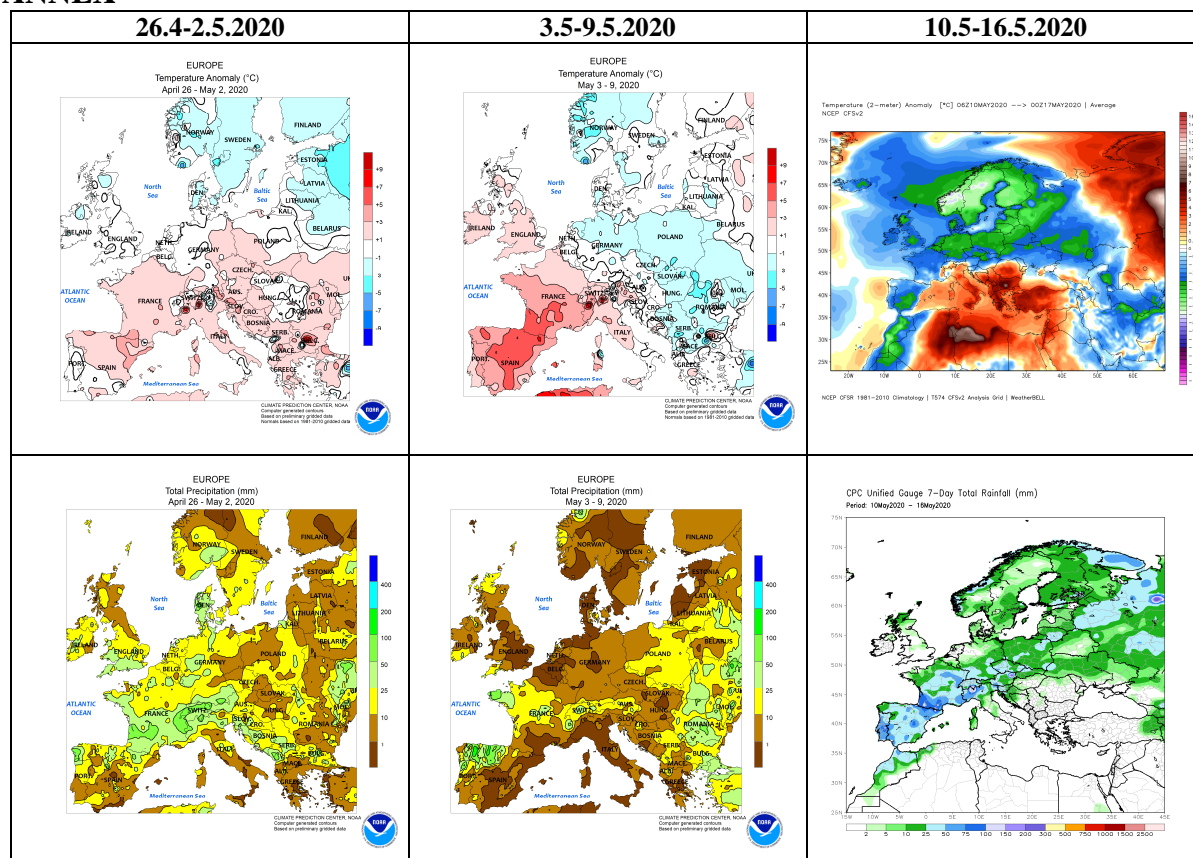


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

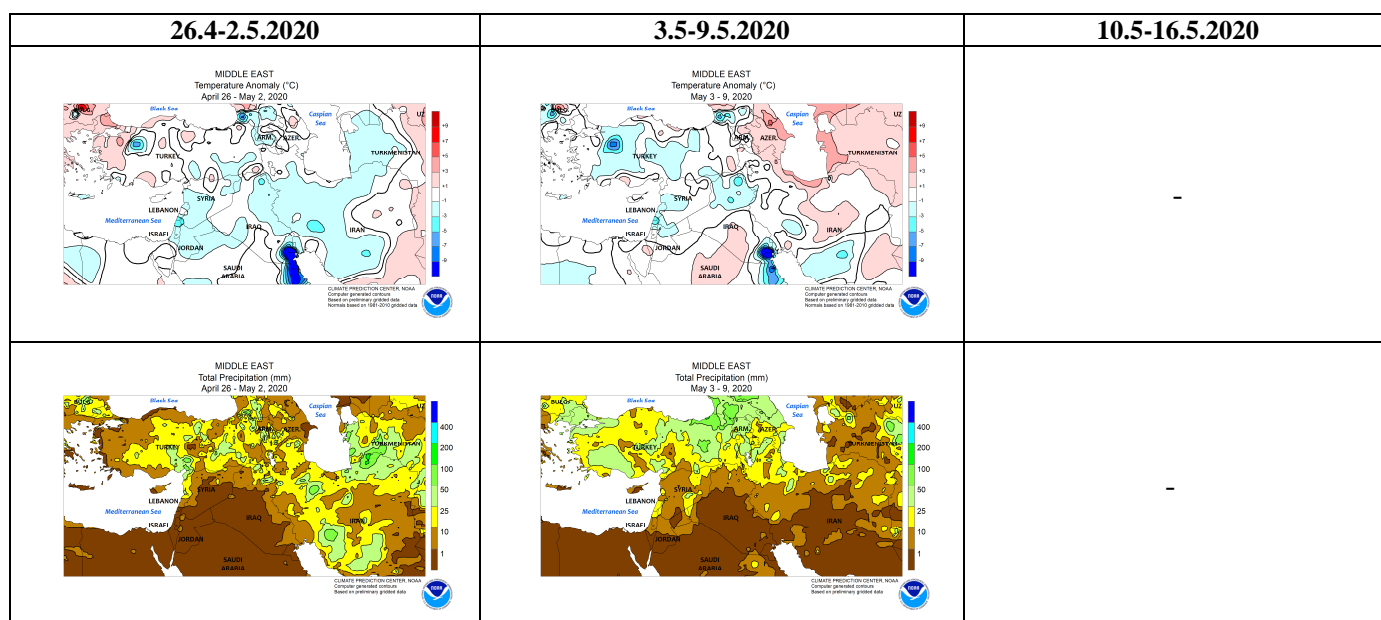


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

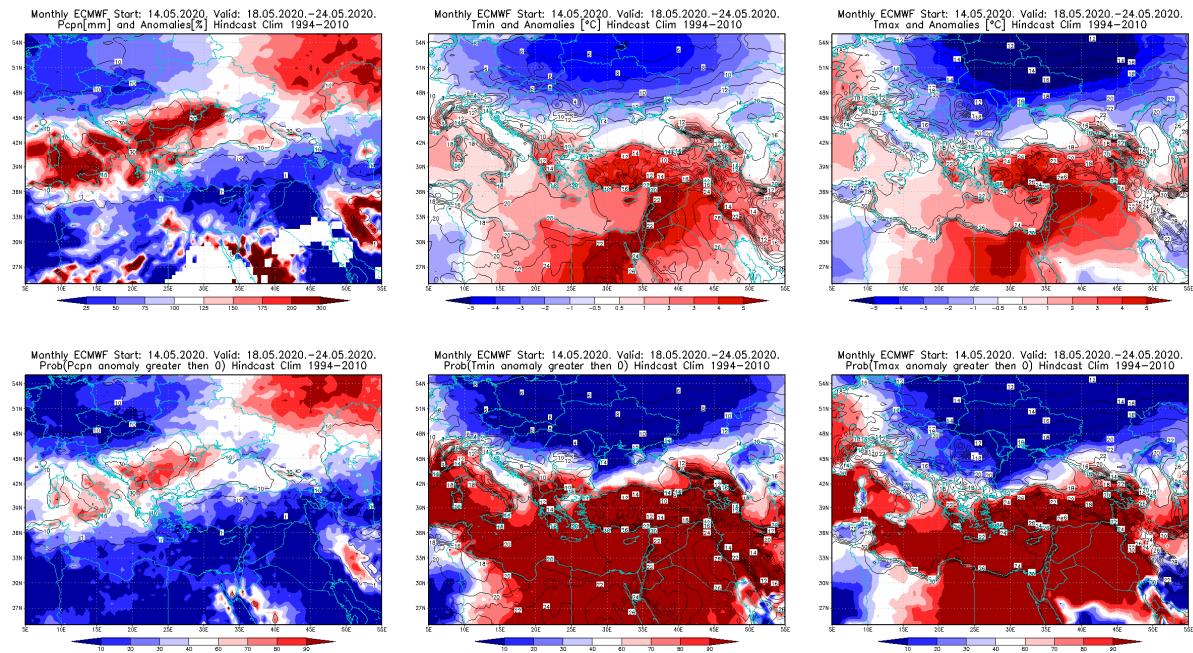


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 18.5–24.5.2020 period

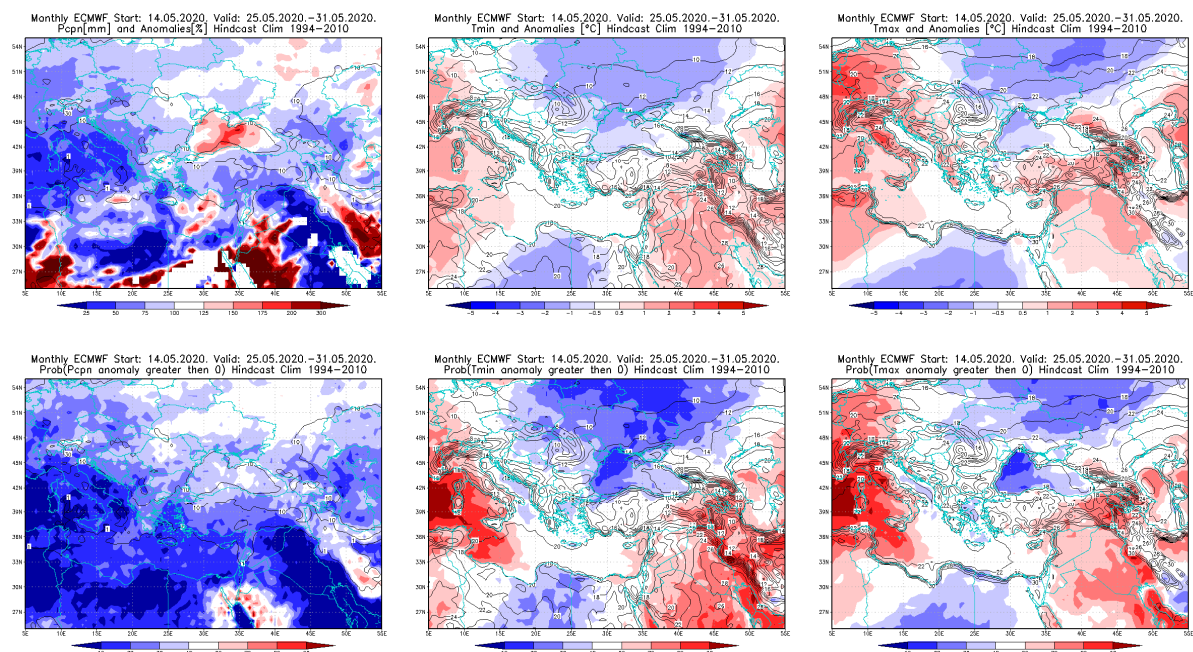


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 25.5–31.5.2020 period

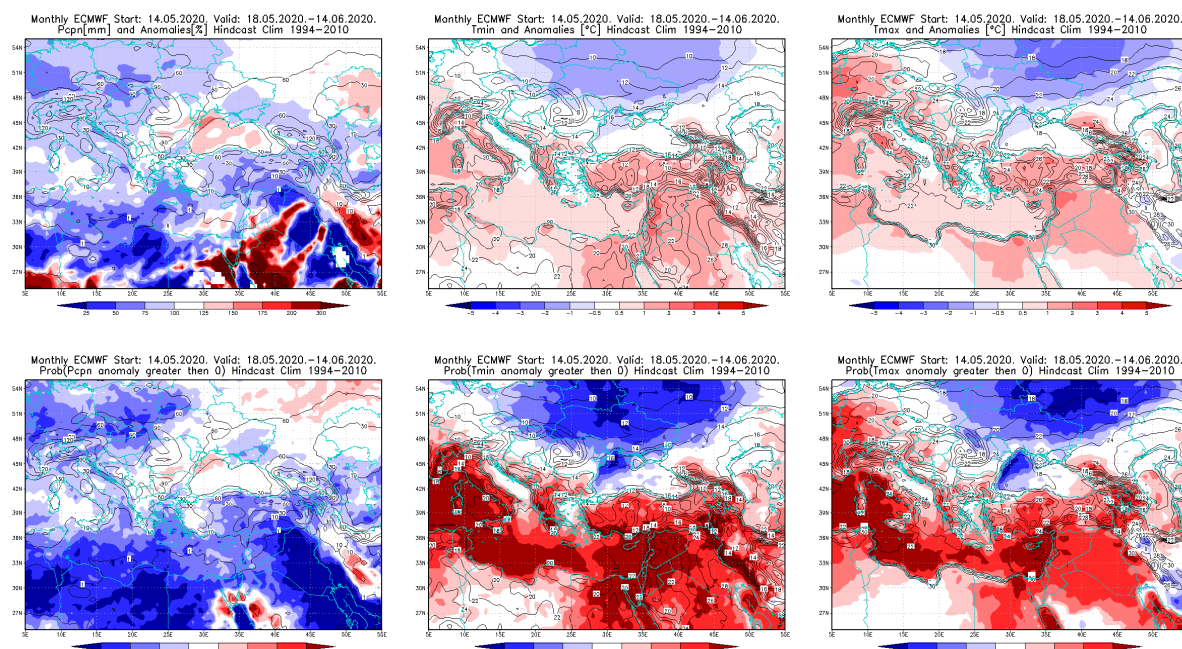


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 18.5–14.6.2020 period

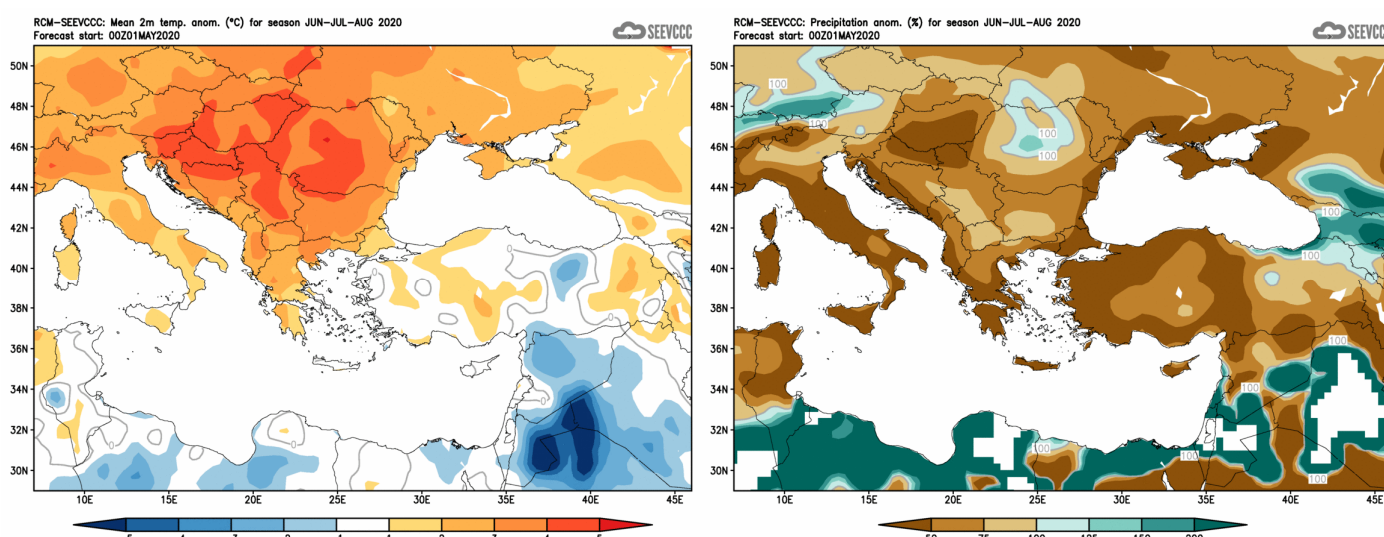


Figure 6. Mean seasonal temperature and precipitation anomaly for the season JJA (seasonal outlook from RCM – SEEVCCC)

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/>)