

Climate Watch (Serial No.: 20200713 – 28)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 13-7-2020 12:00 P.M.

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Valid from – to: 13-7-2020 – 31-10-2020 Next amendment: 20-7-2020

Region of concern: **SEE**

„In the period from July 13th to 19th 2020, ECMWF monthly forecast predicts below normal mean weekly air temperature for most of the region, with anomaly up to -4°C. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected for eastern Turkey and South Caucasus with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for the central Balkans and southern Turkey with probability for exceeding lower tercile around 70%.“

Monitoring

During the period from July 5th to 11th 2020, precipitation sums in northern Greece reached up to 50 mm, in some parts of northern Turkey, Moldova and southern Ukraine up to 75 mm, while rest of the region received up to 25 mm of precipitation.

Outlook

Within the first week (July 13th to 19th 2020), ECMWF monthly forecast predicts below normal mean weekly air temperature for most of the region, with anomaly up to -4°C. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected for eastern Turkey and South Caucasus with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for the central Balkans and southern Turkey with probability for exceeding lower tercile around 70%.

During the second week (July 20th to 26th 2020), average weekly air temperature is forecasted for most of the region. Below normal temperature is expected in northern Romania, Ukraine, eastern Turkey and South Caucasus, with anomaly up to -2°C and probability for exceeding lower tercile around 70%. Average precipitation is expected for most of the Balkans. Precipitation deficit is expected in some parts of the eastern Balkans and in southern Turkey, with around 60% probability for exceeding lower tercile.

In the period from July 13th to August 9th 2020, average temperature is predicted for most of the region. Precipitation deficit is forecasted for most of the Balkans and Turkey, with up to 70% probability for exceeding lower tercile.

During the following three months (August, September and October) seasonal forecast predicts above normal seasonal air temperature for most of the Balkans, Romania, Moldova and Ukraine. Average precipitation is expected for most of the region. Precipitation surplus is predicted for the Carpathian region, some parts of northern Turkey and South Caucasus. Precipitation deficit is expected in the southern Balkans and southern Turkey.

Update

An updated statement will be issued on 20-7-2020

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

ANNEX

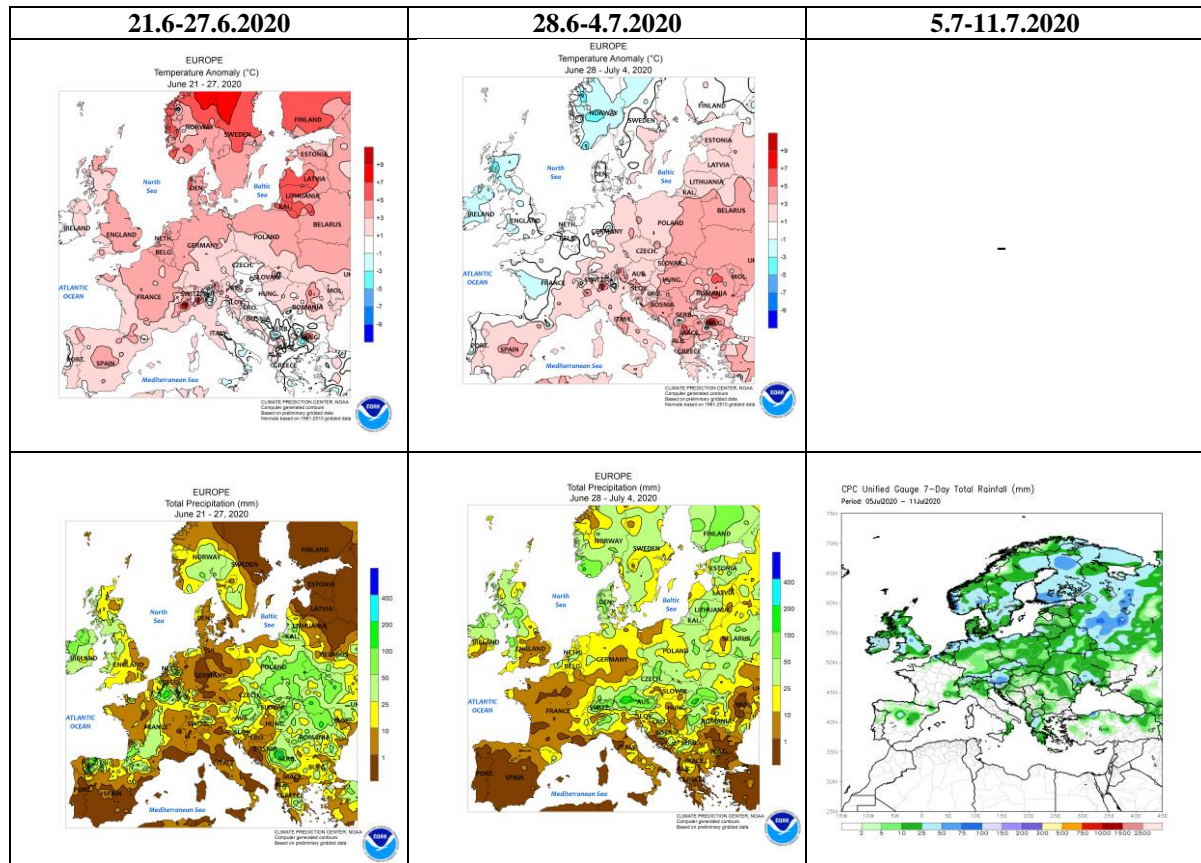


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

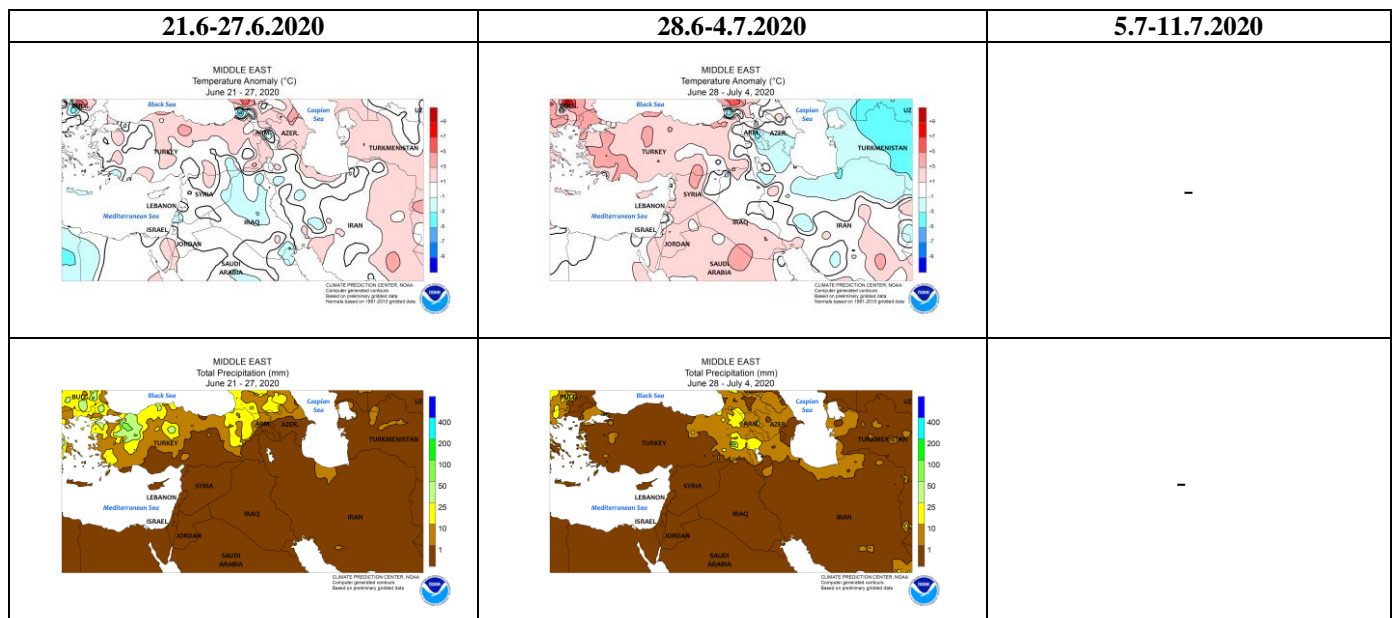


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

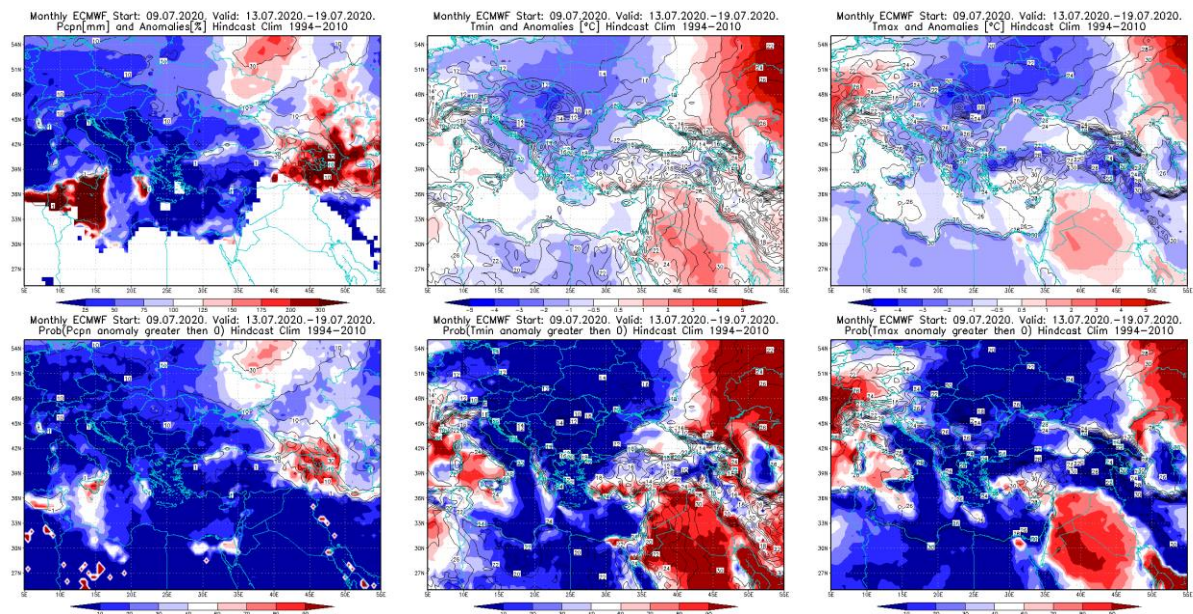


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 13.7–19.7.2020 period

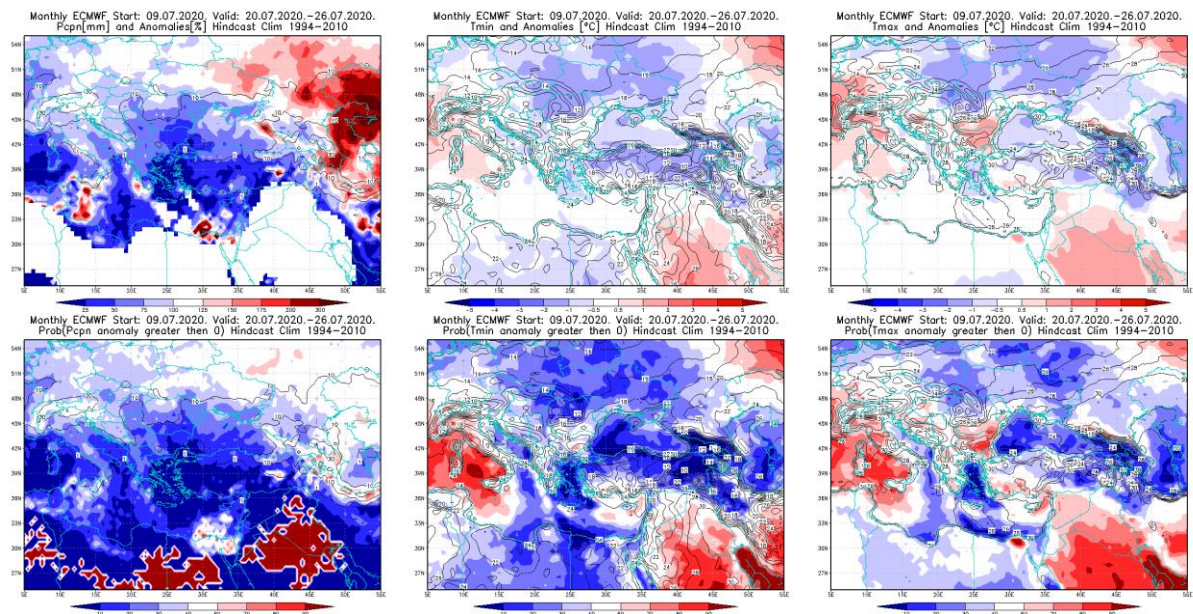


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 20.7–26.7.2020 period

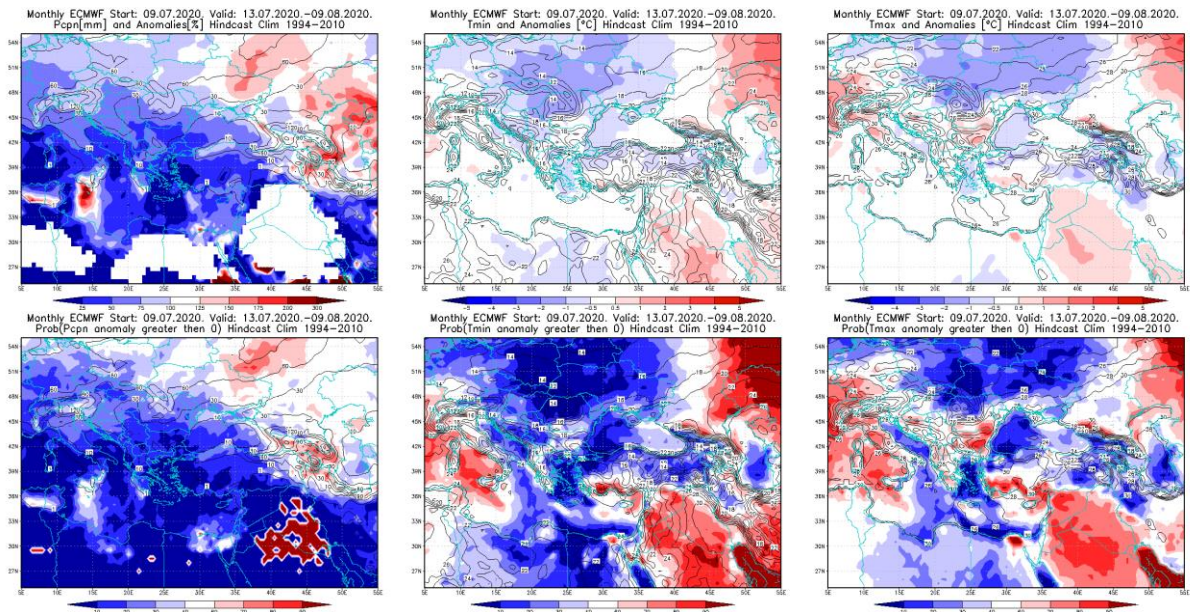


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 13.7–9.8.2020 period

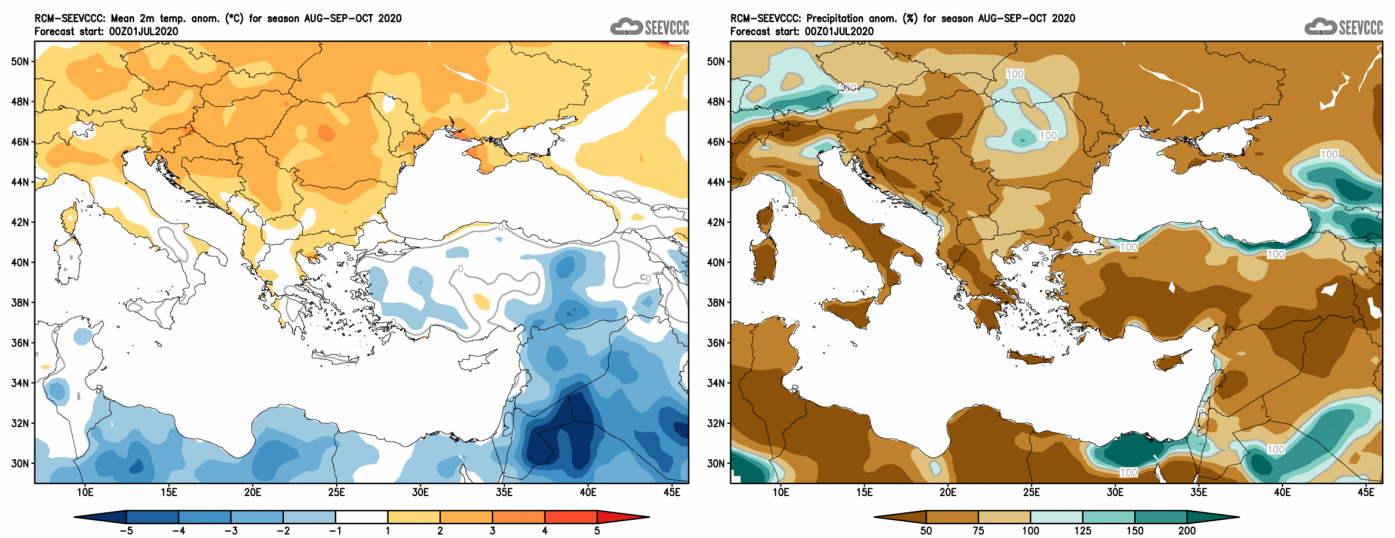


Figure 6. Mean seasonal temperature and precipitation anomaly for the season ASO (seasonal outlook from RCM – SEEVCCC)

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/>)