

Climate Watch (Serial No.: 20200817 – 33)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 17-8-2020 12:00 P.M.

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Valid from – to: 17-8-2020 – 30-11-2020 Next amendment: 24-8-2020

Region of concern: **SEE**

„In the period from August 17th to 23rd 2020, ECMWF monthly forecast predicts below normal mean weekly air temperature for most of the Balkans, Turkey, as well as South Caucasus, with anomaly up to -3°C and probability for exceeding lower tercile up to 90%. Above normal air temperature is predicted for northeastern Romania, most of Moldova and most of Ukraine with anomaly around +2°C, while in northern Ukraine anomaly is up to +3°C. Probability for exceeding upper tercile is around 80%. Precipitation surplus is forecasted for most of the southern Balkans and western Romania, with up to 90% probability for exceeding upper tercile. Precipitation deficit is expected in most of Turkey, Moldova, most of Ukraine and eastern and southern Romania, with probability around 80% for exceeding lower tercile.”

Monitoring

During the period from August 9th to 15th 2020, precipitation sums in southwestern Serbia and southern part of Greece reached up to 100 mm and 150 mm, respectively. Part of the central and southeastern Balkans, western Georgia and northeastern Turkey received up to 50 mm of precipitation, while rest of the Balkans and Romania received up to 25 mm of precipitation.

Outlook

Within the first week (August 17th to 23rd 2020), ECMWF monthly forecast predicts below normal mean weekly air temperature for most of the Balkans, Turkey, as well as South Caucasus, with anomaly up to -3°C and probability for exceeding lower tercile up to 90%. Above normal air temperature is predicted for northeastern Romania, most of Moldova and most of Ukraine with anomaly around +2°C, while in northern Ukraine anomaly is up to +3°C. Probability for exceeding upper tercile is around 80%. Precipitation surplus is forecasted for most of the southern Balkans and western Romania, with up to 90% probability for exceeding upper tercile. Precipitation deficit is expected in most of Turkey, Moldova, most of Ukraine and eastern and southern Romania, with probability around 80% for exceeding lower tercile.

During the second week (August 24th to 30th 2020), above normal mean weekly air temperature is expected in Ukraine, Moldova, eastern Romania and eastern Bulgaria, with anomaly reaching up to +3°C. Below normal mean weekly air temperature is predicted for southeastern Turkey with anomaly around -2°C. Probability for exceeding upper/lower tercile is up to 80%. Precipitation surplus is forecasted for part of the central Balkans, as well as eastern part of Aegean Sea. Precipitation deficit is expected in part of western Turkey, most of Greece and eastern Ukraine. Probability for exceeding upper/lower tercile is around 60%.

In the period from August 17th to September 13th 2020, above normal mean monthly air temperature is expected in Ukraine, Moldova and eastern Romania, with anomaly up to +2°C. Probability for exceeding upper tercile is around 80%. Precipitation surplus is expected in part of the central and northern Balkans, with probability around 70% for exceeding upper tercile. Precipitation deficit is forecasted Cyprus, western Turkey and eastern Ukraine with up to 70% probability for exceeding lower tercile.

During the following three months (September, October and November) seasonal forecast predicts above normal seasonal air temperature for most of the Balkans, Romania and Ukraine. Below normal seasonal air temperature is expected Middle East and part of western southern and central Turkey. Precipitation deficit is expected for most of the region. Precipitation surplus is predicted for southern coast of the Black Sea and southern Adriatic, as well as eastern and westernmost part of Georgia. Average precipitation is expected in the Carpathian region.

Update

An updated statement will be issued on 24-8-2020

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

ANNEX

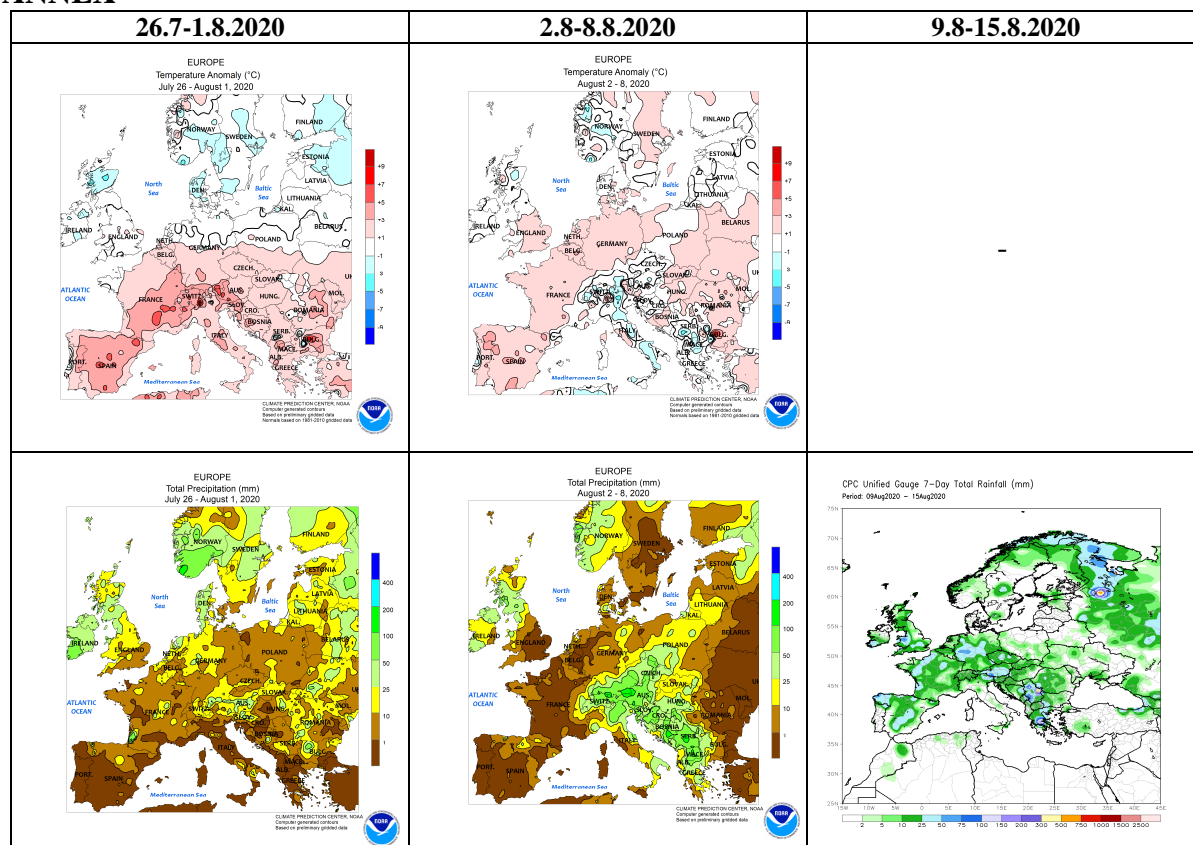


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

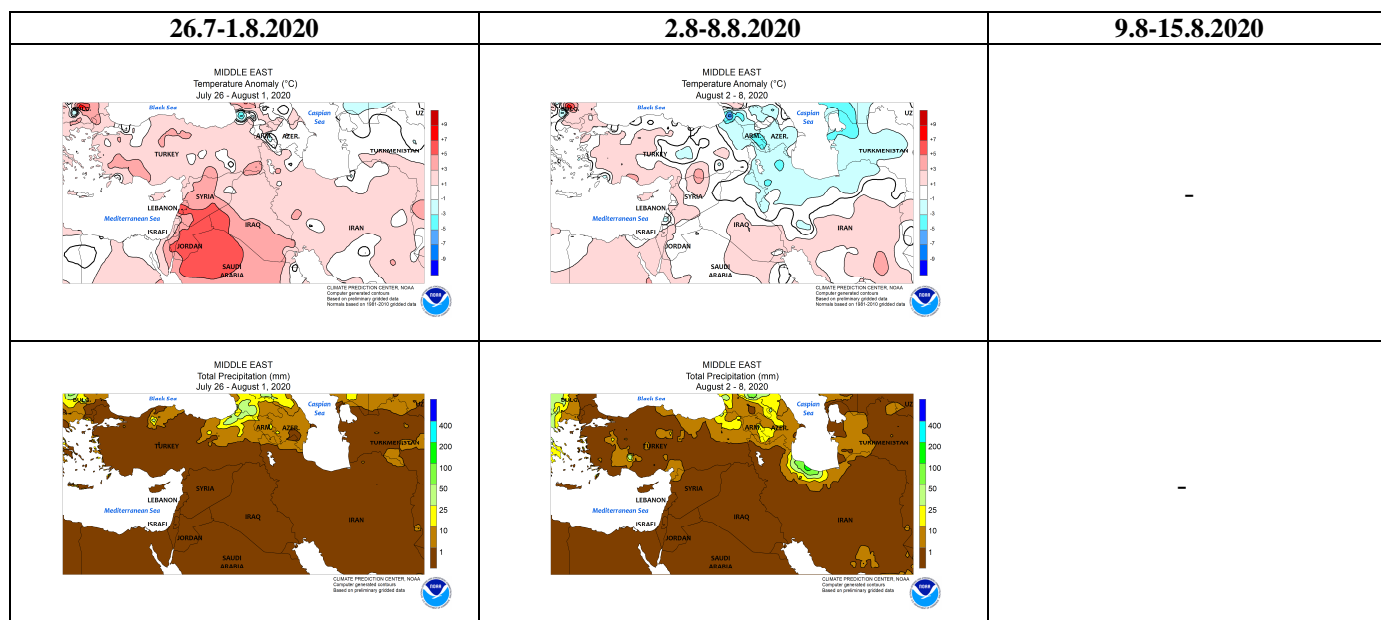


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

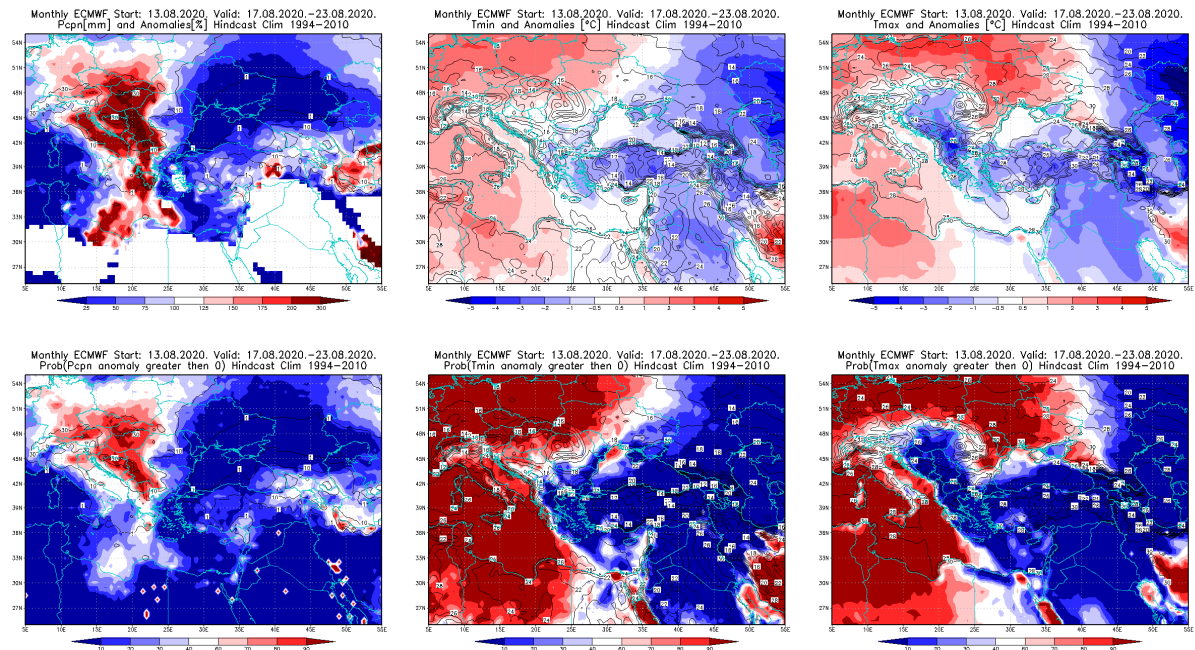


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 17.8–23.8.2020 period

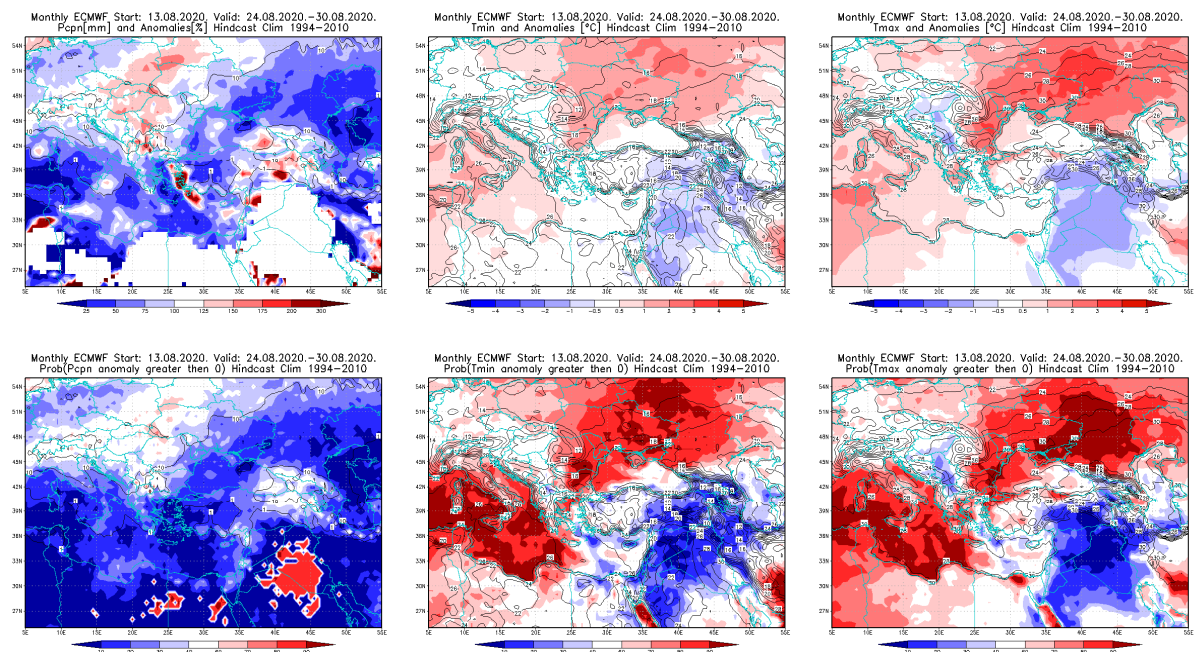


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 24.8–30.8.2020 period

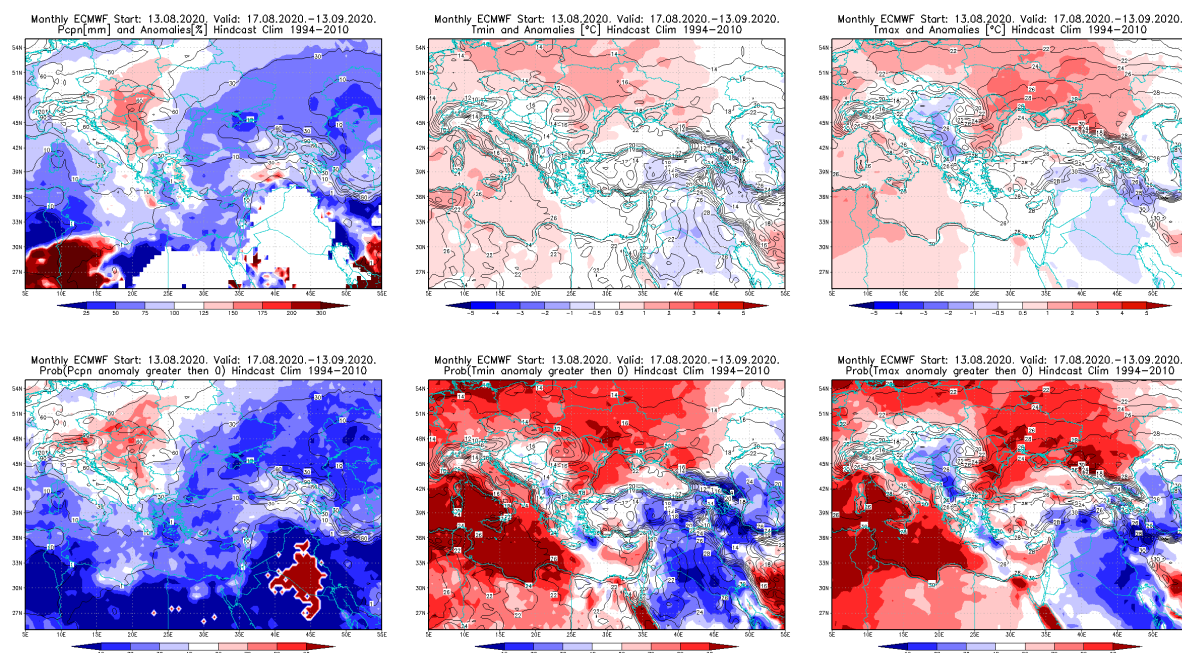


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 17.8–13.9.2020 period

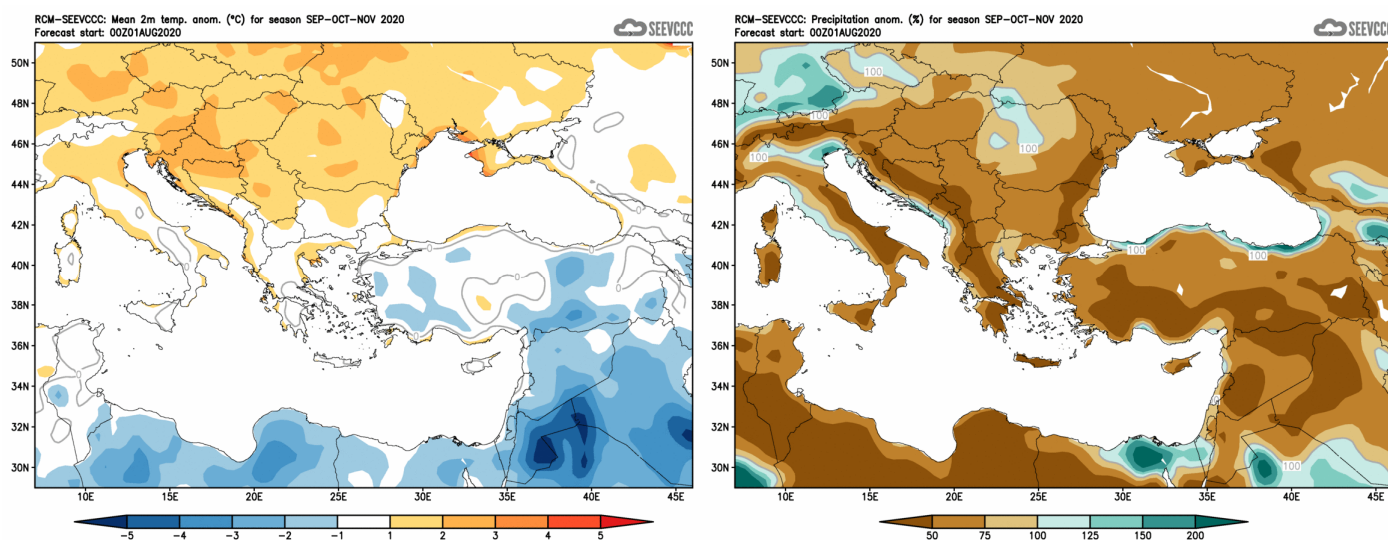


Figure 6. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook from RCM – SEEVCCC)

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/>)