

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

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

„In the period from August 24th to 30th 2020, ECMWF monthly forecast predicts below normal mean weekly air temperature for western and central parts of the Balkans, with anomaly around -2°C and probability around 80%, as well as eastern Turkey and South Caucasus, with anomaly up to -4°C and probability for exceeding lower tercile up to 90%. Above normal air temperature is predicted for eastern Ukraine, with anomaly up to +2°C and up to 80% probability for exceeding upper tercile. Precipitation surplus is forecasted for the central and western Balkans, Romania and western Ukraine, with up to 90% probability for exceeding upper tercile. Precipitation deficit is expected in eastern Turkey and Georgia, with probability around 80% for exceeding lower tercile.”

Monitoring

During the period from August 16th to 22nd 2020, precipitation sums in western Romania and northeastern Turkey reached up to 75 mm. Parts of western and central Balkans, as well as northern Georgia received up to 50 mm of precipitation, while rest of the SEE region received up to 25 mm of precipitation.

Outlook

Within the first week (August 24th to 30th 2020), ECMWF monthly forecast predicts below normal mean weekly air temperature for western and central parts of the Balkans, with anomaly around -2°C and probability around 80%, as well as eastern Turkey and South Caucasus, with anomaly up to -4°C and probability for exceeding lower tercile up to 90%. Above normal air temperature is predicted for eastern Ukraine, with anomaly up to +2°C and up to 80% probability for exceeding upper tercile. Precipitation surplus is forecasted for the central and western Balkans, Romania and western Ukraine, with up to 90% probability for exceeding upper tercile. Precipitation deficit is expected in eastern Turkey and Georgia, with probability around 80% for exceeding lower tercile.

During the second week (August 31st to September 6th 2020), above normal mean weekly air temperature is expected in eastern Ukraine and most of Turkey, with anomaly around +1°C. Below normal mean weekly air temperature is predicted for the Pannonia plain, central and western Balkans, with anomaly around -1°C. Probability for exceeding upper/lower tercile is up to 60%. Precipitation surplus is forecasted in the Pannonia plain and parts of Ukraine, with small probability for exceeding upper tercile.

In the period from August 24th to September 20th 2020, above normal mean monthly air temperature is expected in eastern Ukraine and southwestern Turkey, with anomaly up to +2°C and around 70% probability for exceeding upper tercile. Below normal mean weekly air temperature is predicted for the Pannonia plain, central and western Balkans, with anomaly around -1°C and up to 60% probability for exceeding lower tercile. Precipitation surplus is expected in the Pannonia plain and western Ukraine. Precipitation deficit is forecasted for northeastern Turkey and South Caucasus. Probability for exceeding upper/lower tercile is up to 60%.

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 31-8-2020

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

ANNEX

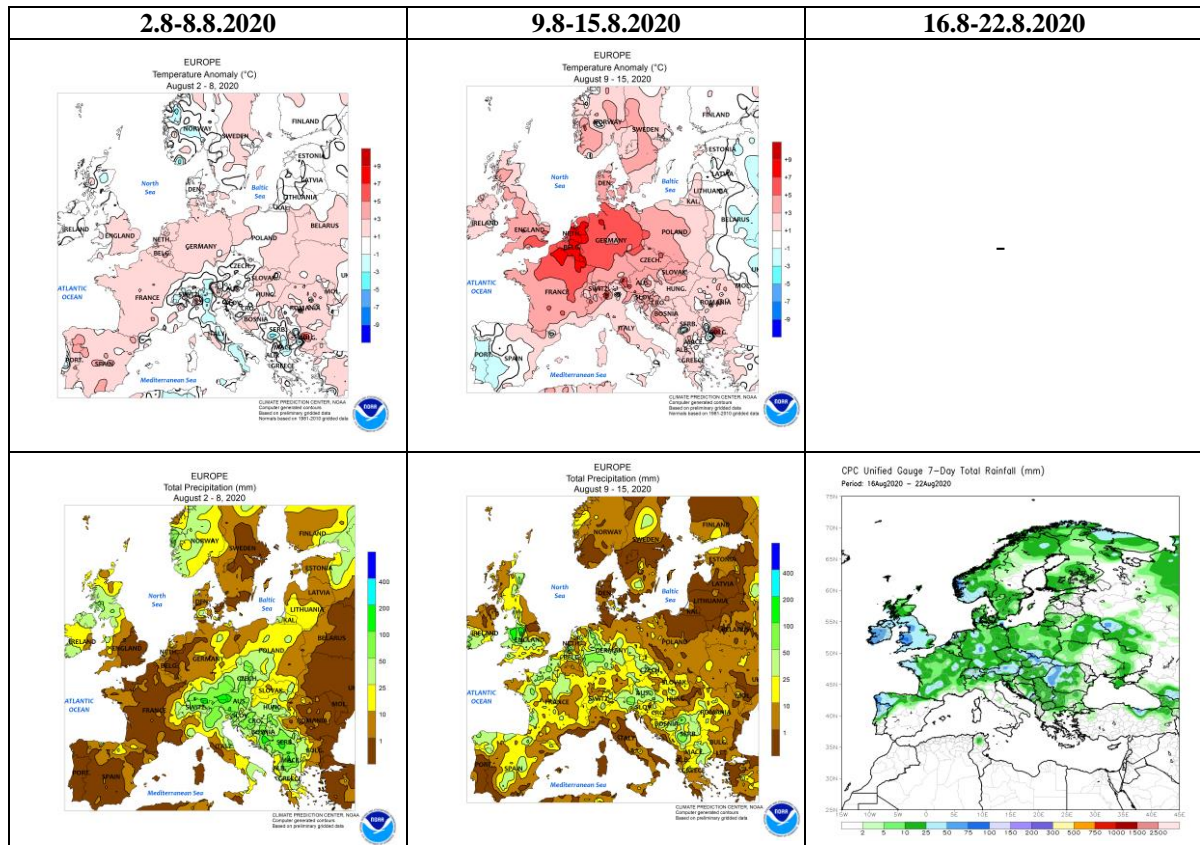


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

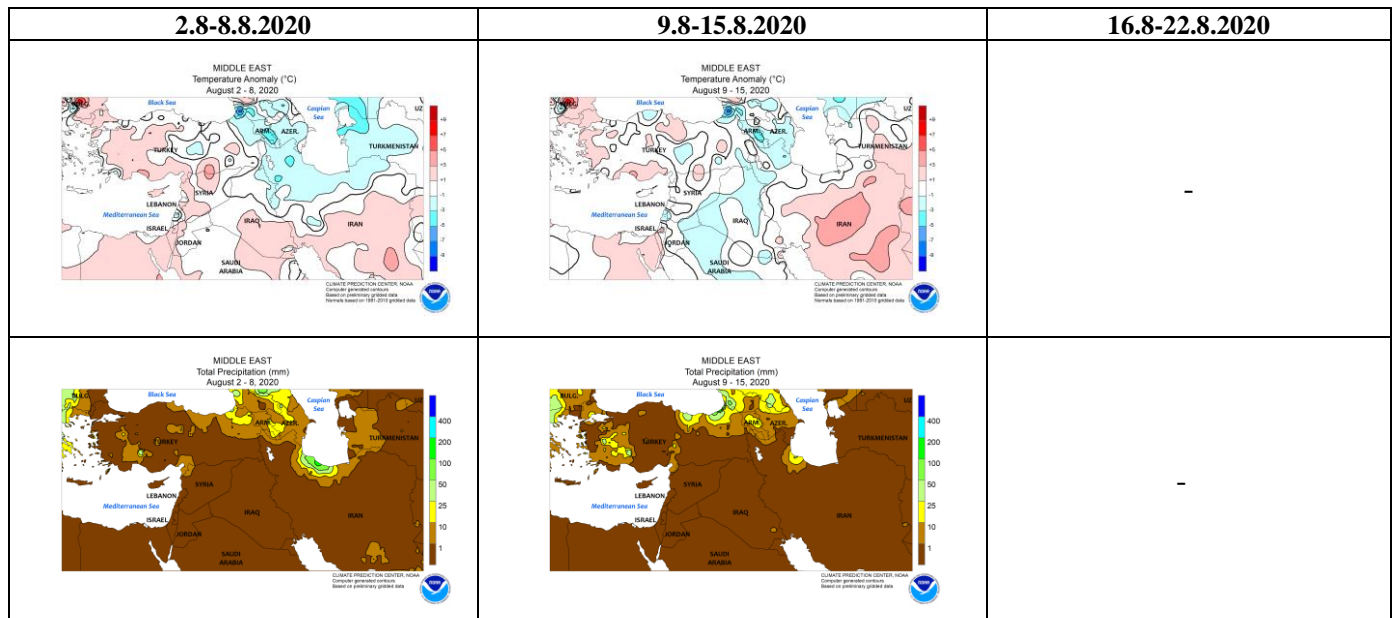


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

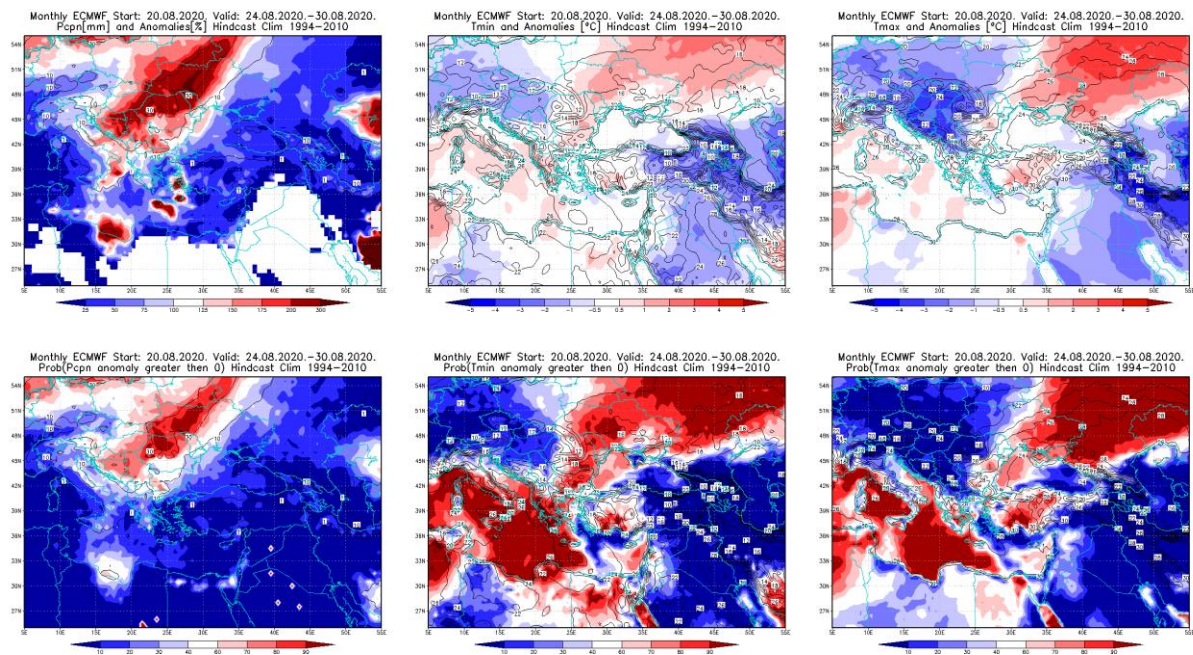


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 24.8–30.8.2020 period

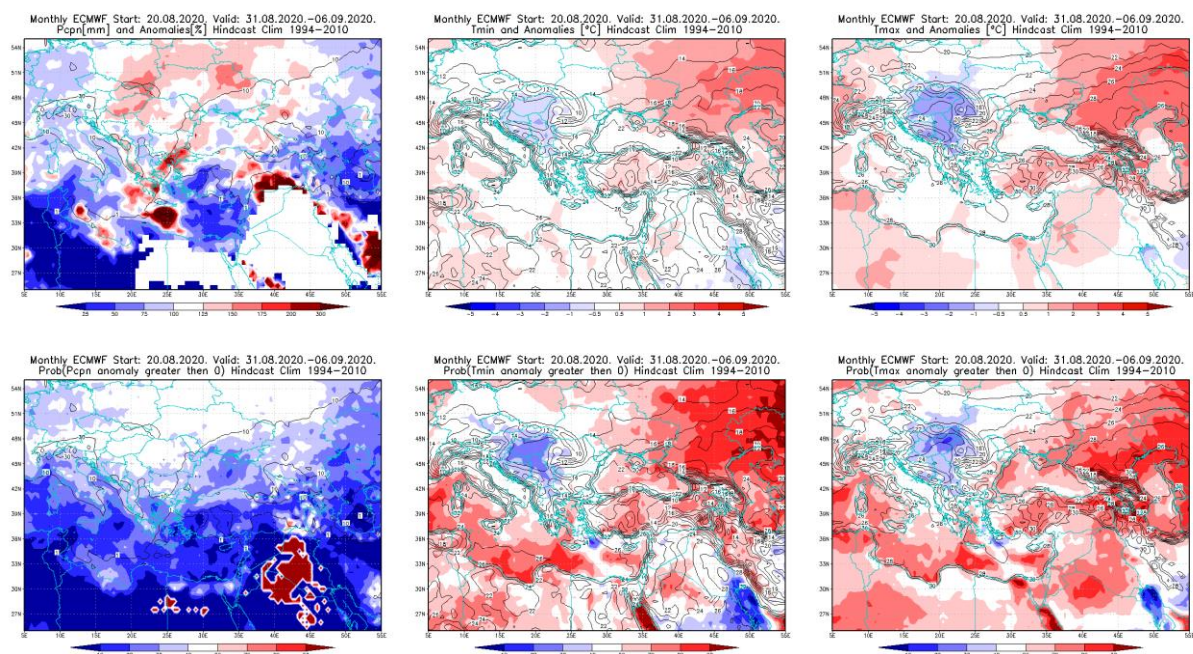


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 31.8–6.9.2020 period

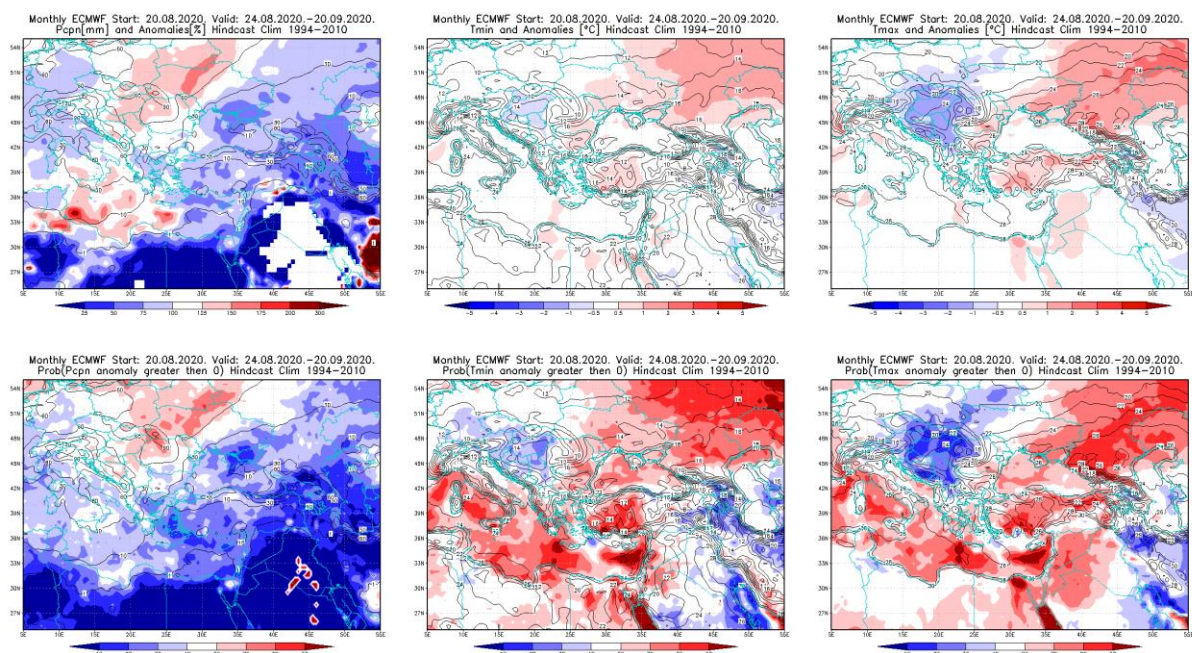


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 24.8–20.9.2020 period

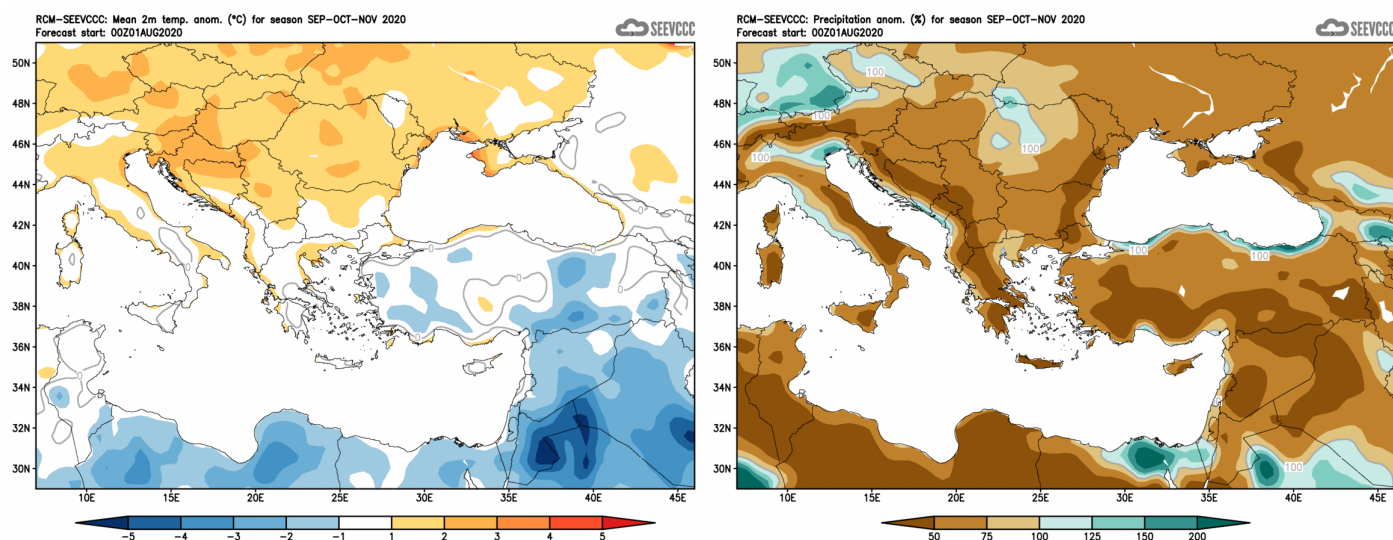


Figure 6. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook from RCM – SEEVCCC)

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/>)