

Climate Watch (Serial No.: 20200907 – 36)

Initial/Updated/Final

Topic: **temperature** and **precipitation**

Organization issuing the statement: SEEVCCC

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Cancelled

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Valid from – to: 7-9-2020 – 30-11-2020 Next amendment: 14-9-2020

Region of concern: **SEE region**

„In the period from September 7th to 13th 2020, ECMWF monthly forecast predicts above normal mean weekly air temperature for most of the region, with anomaly in a range from +2°C in the western Balkans and south Caucasus up to +4°C in eastern and southern Ukraine, southwestern Turkey and most of Moldova, and up to 90% probability for exceeding upper tercile. Precipitation deficit is forecasted for most of the region, with around 70% probability for exceeding lower tercile.”

Monitoring

During the period from August 30th to September 5th 2020, precipitation sums in central Romania, westernmost Ukraine and northeastern Bulgaria reached up to 50 mm, central part of Croatia reached up to 100 mm, while rest of the SEE region received less than 25 mm of precipitation.

Outlook

Within the first week (September 7th to 13th 2020), ECMWF monthly forecast predicts above normal mean weekly air temperature for most of the region, with anomaly in a range from +2°C in the western Balkans and south Caucasus up to +4°C in eastern and southern Ukraine, southwestern Turkey and most of Moldova, and up to 90% probability for exceeding upper tercile. Precipitation deficit is forecasted for most of the region, with around 70% probability for exceeding lower tercile.

During the second week (September 14th to 20th 2020), above normal mean weekly air temperature is expected for most of the region except the western and central Balkans, with anomaly in a range from +2°C in western Ukraine and the southern Balkans up to +5°C in eastern Ukraine. Probability for exceeding upper tercile is up to 80%. Precipitation deficit is forecasted for the southern and central Balkans, eastern and southeastern Turkey and eastern Ukraine, with around 60% probability for exceeding lower tercile.

In the period from September 7th to October 4th 2020, above normal mean monthly air temperature is expected most of the region except the western Balkans, with anomaly up to +3°C and around 80% probability for exceeding upper tercile. Average precipitation sums are expected in most of the region. Precipitation deficit is forecasted for eastern Ukraine, with around 60% 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 14-9-2020

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

ANNEX

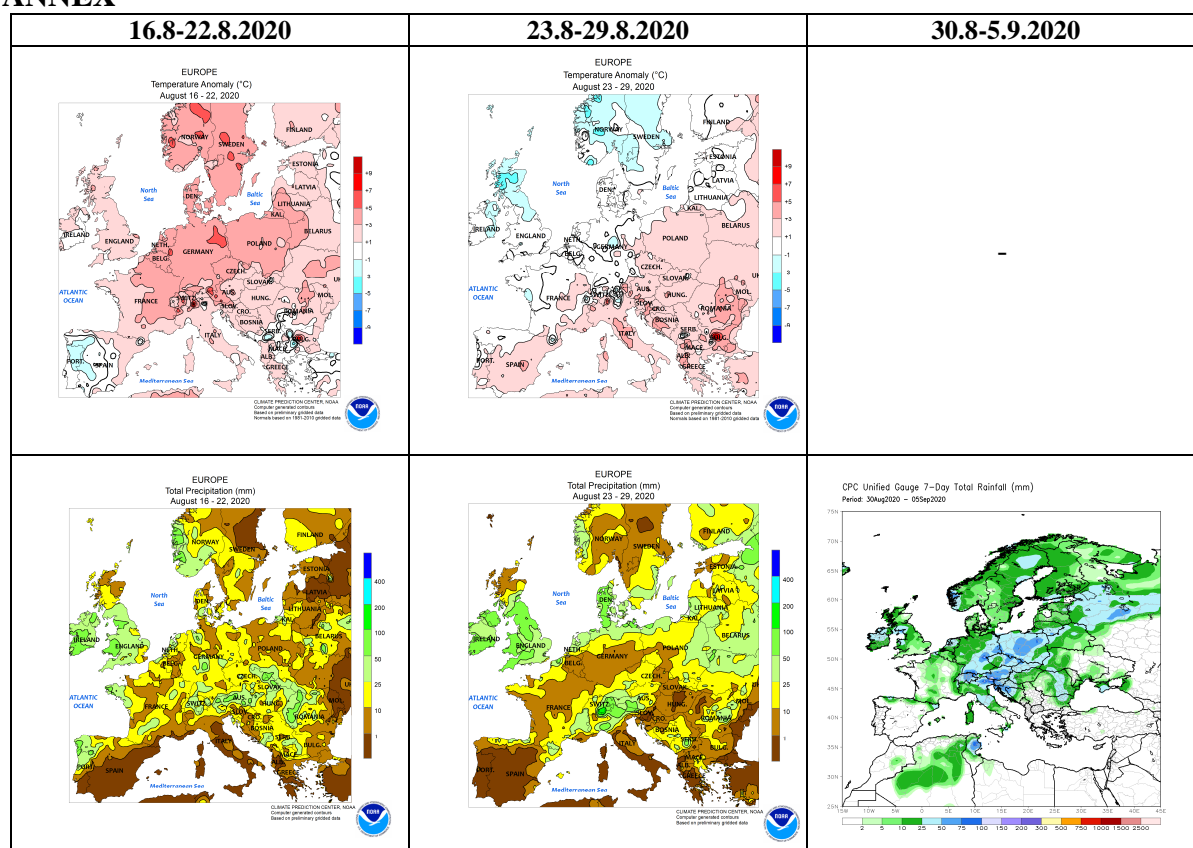


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

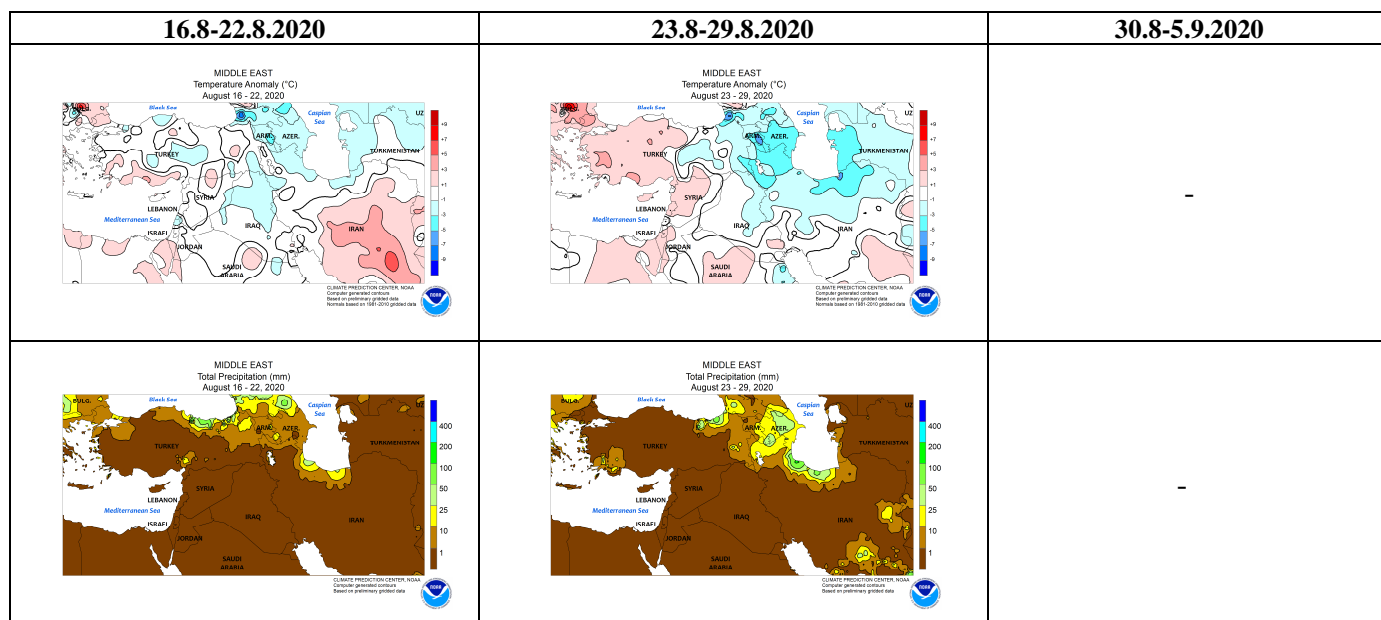


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

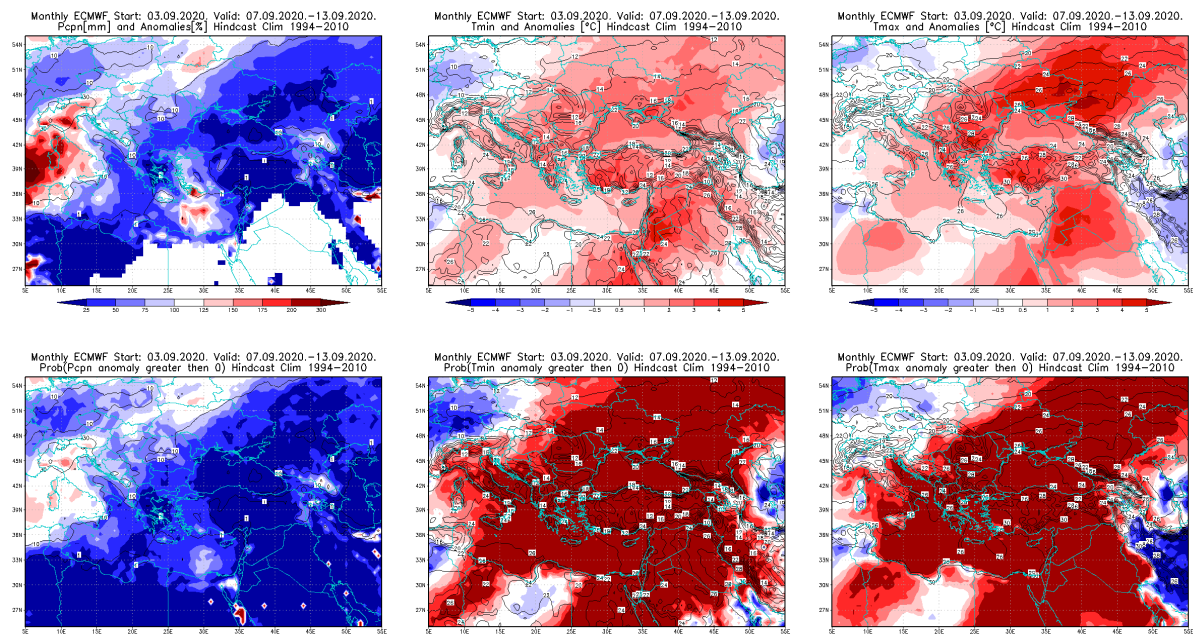


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 7–13.9.2020 period

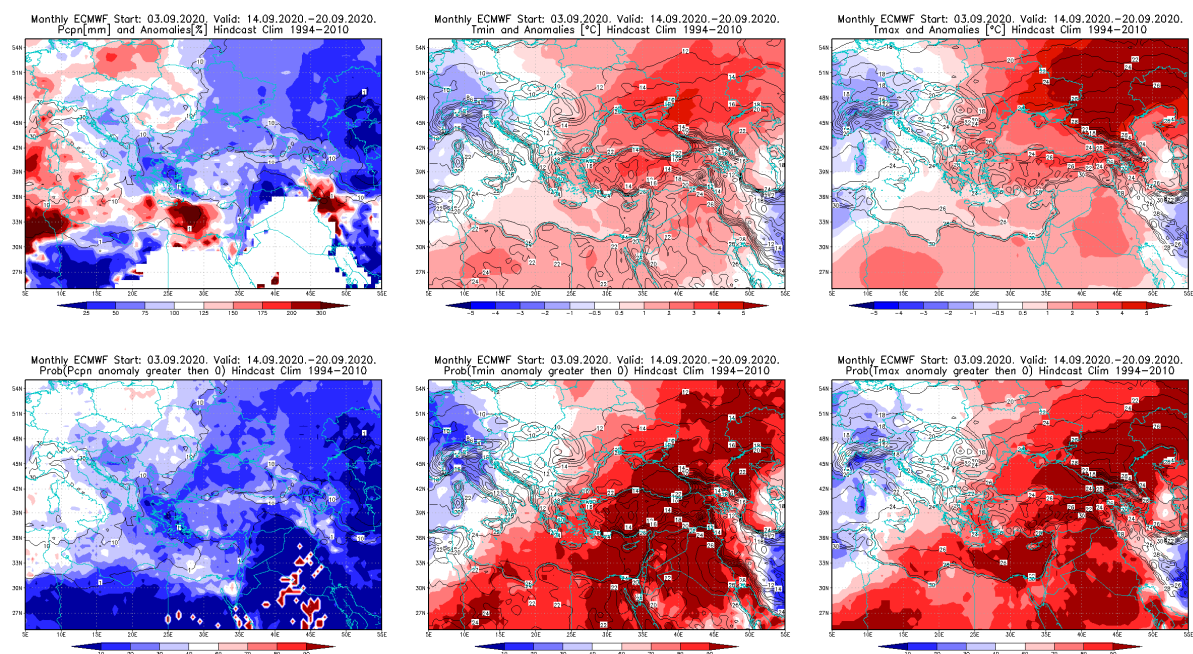


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 14–20.9.2020 period

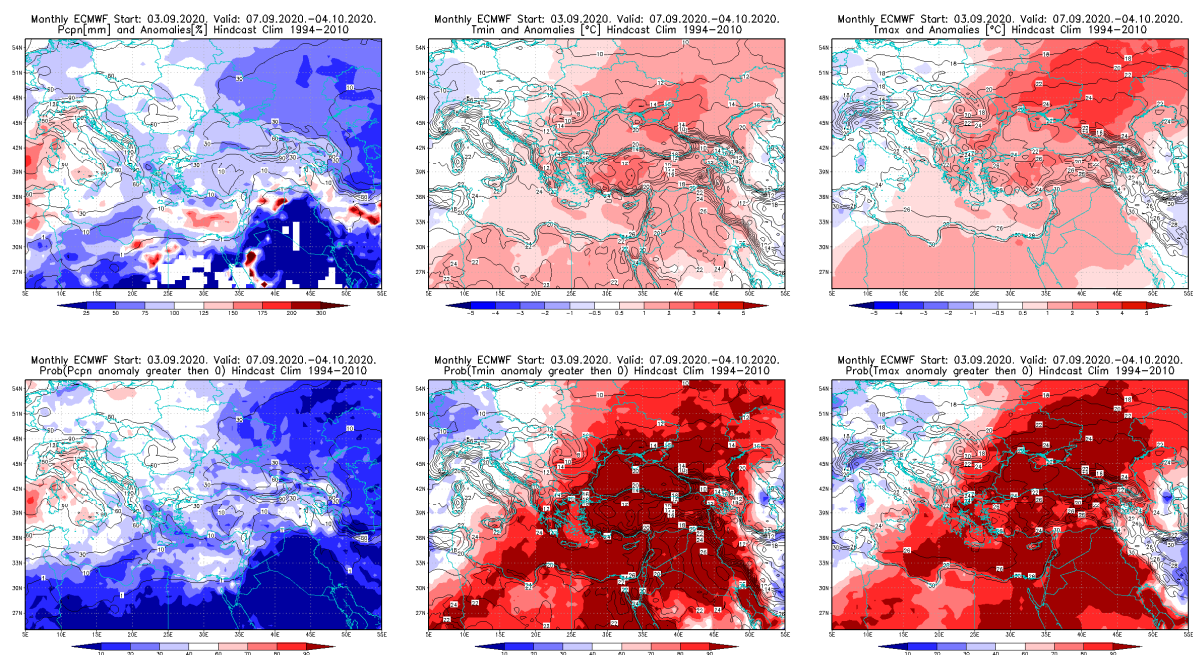


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 7.9–4.10.2020 period

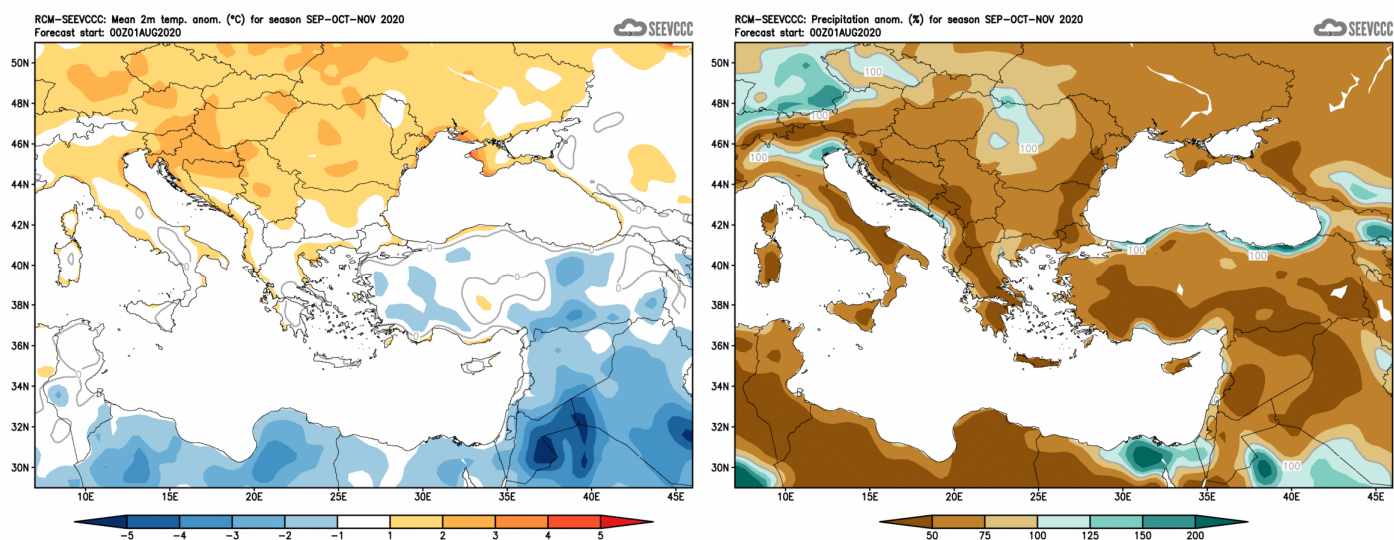


Figure 6. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook from RCM – SEEVCCC)

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/>)