

Climate Watch (Serial No.: 20200921 – 38)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

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Cancelled

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Valid from – to: 21-9-2020 – 31-12-2020 Next amendment: 28-9-2020

Region of concern: **Adriatic coasts, Ukraine, Turkey and South Caucasus**

„In the period from September 21st to 27th 2020, ECMWF monthly forecast predicts above normal mean weekly air temperature for most of the region, with anomaly up to +4°C and up to 90% probability for exceeding upper tercile. Precipitation deficit is forecasted for most of the Balkans, Ukraine and Turkey, with up to 90% probability for exceeding lower tercile. Precipitation surplus is forecasted in Adriatic Sea region, northwestern Romania, southernmost Ukraine, most of South Caucasus, as well as eastern Turkey, with up to 90% probability for exceeding upper tercile”

Monitoring

During the period from September 13th to 19th 2020, precipitation sums were below 10 mm in most of the SEE region. Weekly precipitation totals were the following: 25 mm in westernmost Balkans, most of Georgia and some parts of northern Ukraine and Turkey, up to 50 mm in northeastern Turkey and up to 100 mm in central Greece.

Outlook

Within the first week (September 21st to 27th 2020), ECMWF monthly forecast predicts above normal mean weekly air temperature for most of the region, with anomaly up to +4°C and up to 90% probability for exceeding upper tercile. Precipitation deficit is forecasted for most of the Balkans, Ukraine and Turkey, with up to 90% probability for exceeding lower tercile. Precipitation surplus is forecasted in the Adriatic Sea region, northwestern Romania, southernmost Ukraine, most of South Caucasus, as well as eastern Turkey, with up to 90% probability for exceeding upper tercile.

During the second week (September 28th to October 4th 2020), above normal mean weekly air temperature is expected for most of the region, with anomaly up to +4°C in eastern Ukraine and southernmost Turkey and up to 90% probability for exceeding upper tercile. Precipitation deficit is forecasted for most of the south Balkans, Turkey, parts of the eastern Balkans and Middle East, with up to 70% probability for exceeding lower tercile. Precipitation surplus is expected in some parts of Ukraine, with around 60% probability for exceeding upper tercile

In the period from September 21st to October 18th 2020, above normal mean monthly air temperature is expected for most of the region, with anomaly up to +3°C. Probability for exceeding upper tercile is around 80%, in southern Turkey and eastern Mediterranean even up to 90%. Precipitation sums are expected along Adriatic coasts, with up to 70% probability for exceeding upper tercile.

During the following three months (October, November and December) seasonal forecast predicts above normal seasonal air temperature for most of the Balkans, Romania, most of Moldova and Ukraine. Below normal seasonal air temperature is expected in the Middle East and part of 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, Carpathian region, most of South Caucasus, as well as central part of Turkey. Average precipitation is expected in most of Turkey, Ukraine, Moldova, some location on the eastern and central Balkans.

Update

An updated statement will be issued on 28-9-2020

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

ANNEX

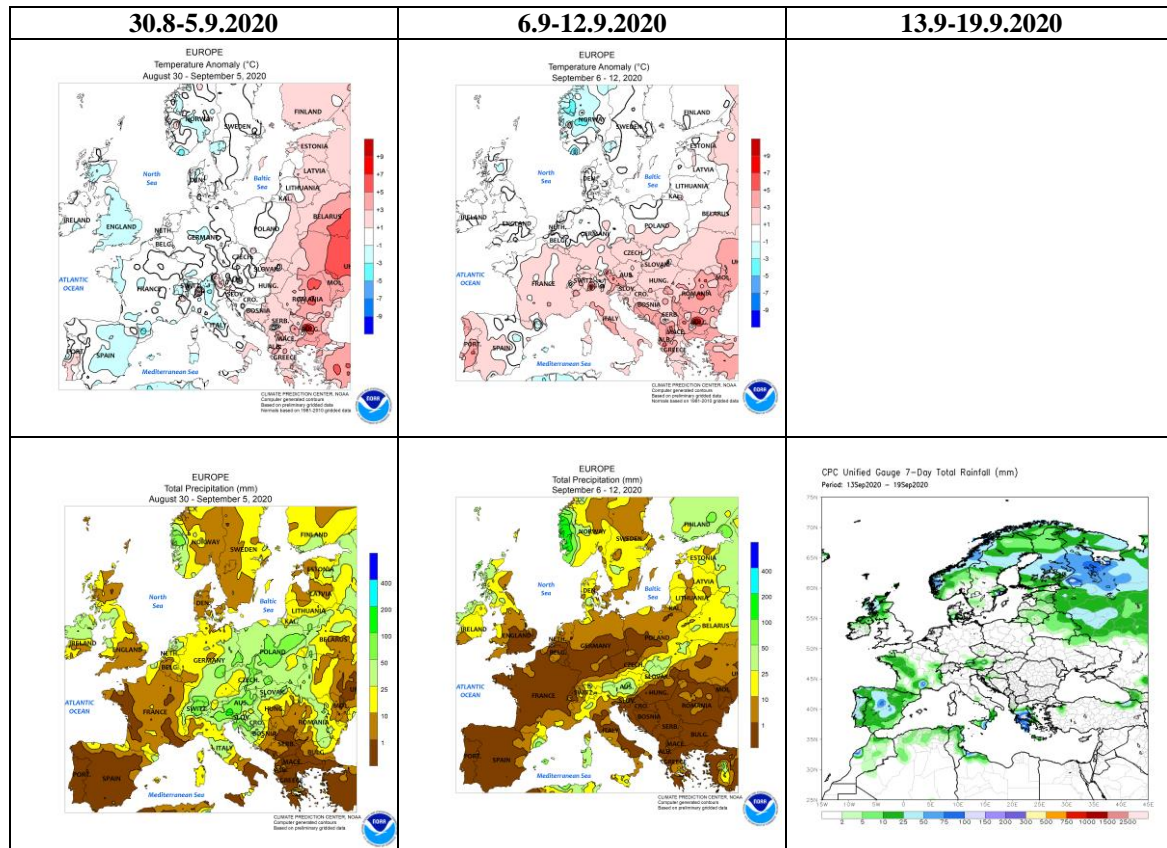


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

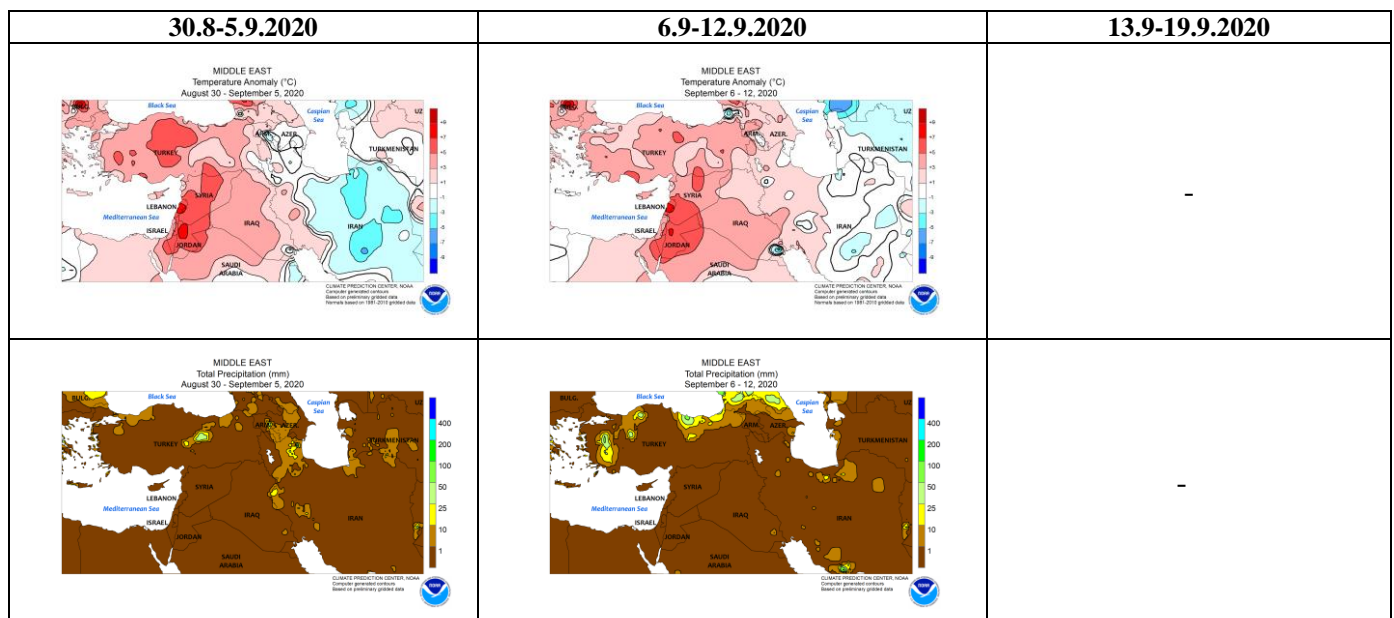


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

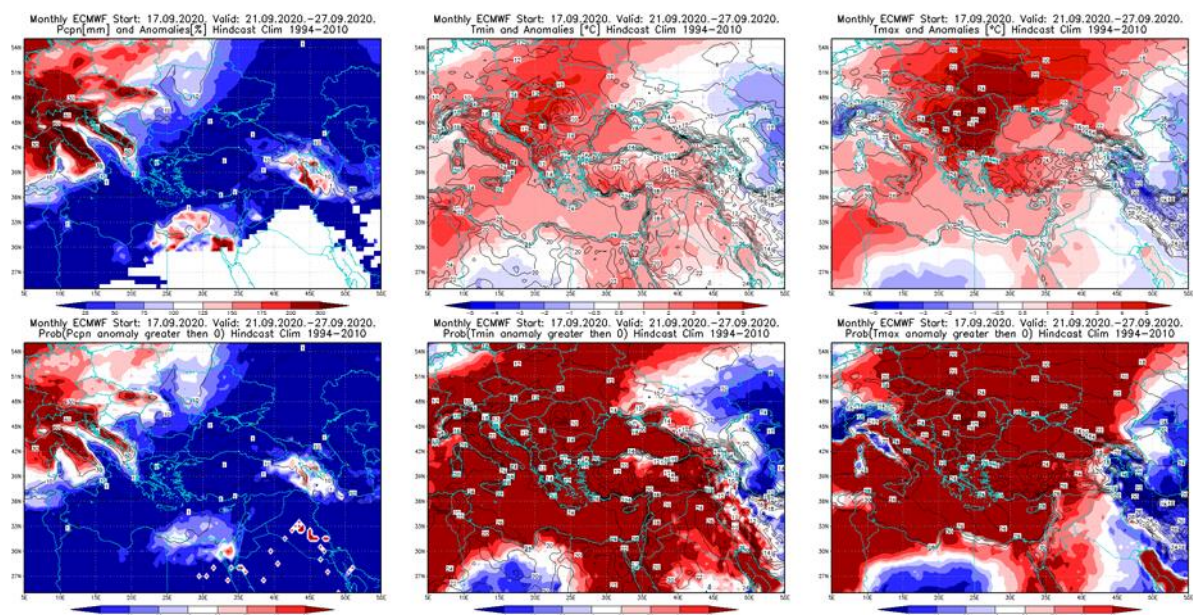


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 21–27.9.2020 period

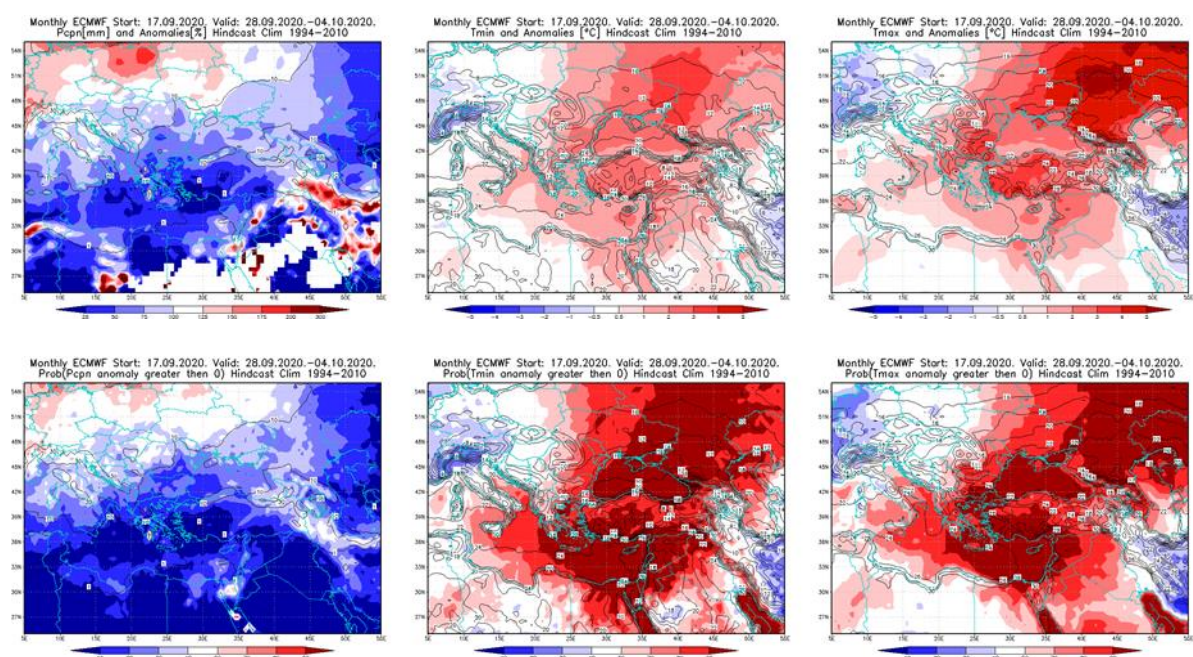


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 28.9–4.10.2020 period

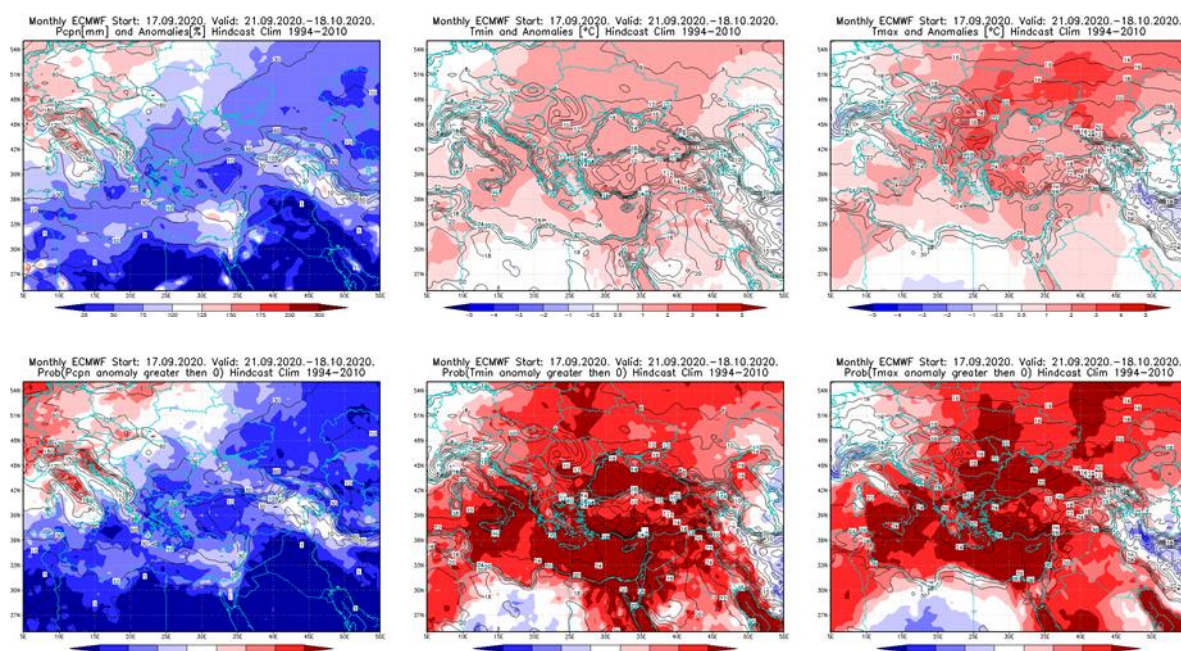


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 21.9–18.10.2020 period

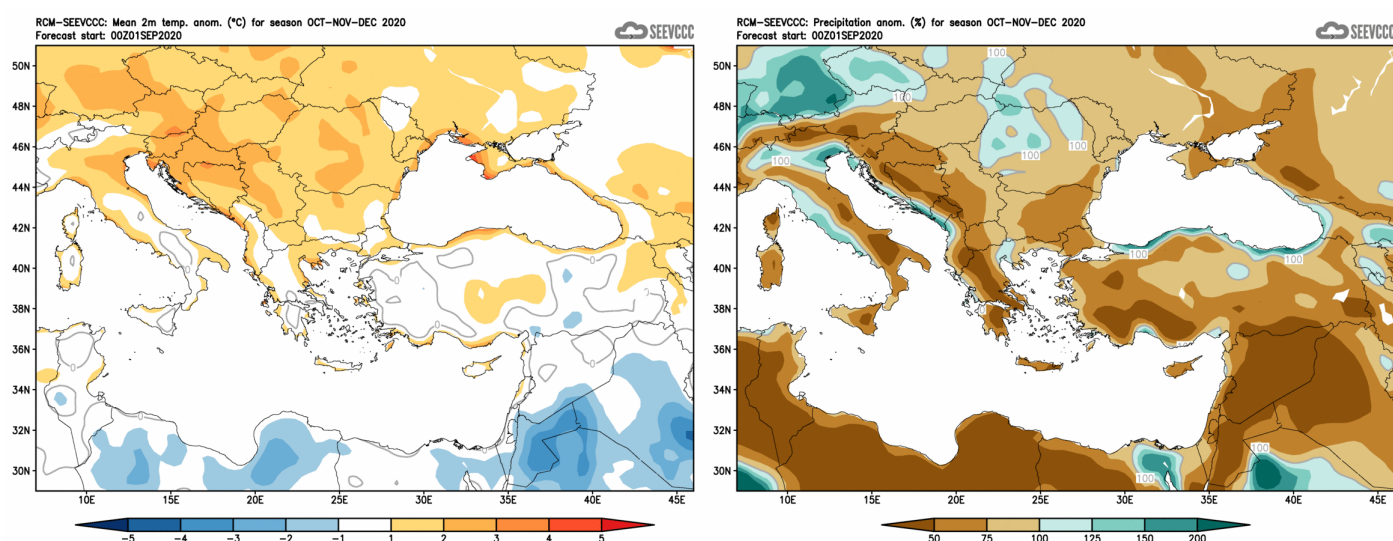


Figure 6. Mean seasonal temperature and precipitation anomaly for the season OND (seasonal outlook from RCM – SEEVCCC)

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/>)