

Climate Watch (Serial No.: 20200914 – 37)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

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Cancelled

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Valid from – to: 14-9-2020 – 30-11-2020 Next amendment: 21-9-2020

Region of concern: **Greece and Turkey**

„In the period from September 14th to 20th 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 and Ukraine, with up to 80% probability for exceeding lower tercile. Precipitation surplus is forecasted in Aegean Sea region, southwestern Turkey and eastern Mediterranean, with up to 90% probability for exceeding upper tercile.”

Monitoring

During the period from September 6th to 12th 2020, precipitation sums were below 10 mm in most of the SEE region. Weekly precipitation totals up to 25 mm in northwestern Ukraine, up to 50 mm in southwestern Turkey and up to 75 mm in northeastern Turkey, were registered.

Outlook

Within the first week (September 14th to 20th 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 and Ukraine, with up to 80% probability for exceeding lower tercile. Precipitation surplus is forecasted in Aegean Sea region, southwestern Turkey and eastern Mediterranean, with up to 90% probability for exceeding upper tercile.

During the second week (September 21st to 27th 2020), above normal mean weekly air temperature is expected for eastern Mediterranean region, with anomaly up to +2°C C and up to 90% probability for exceeding upper tercile. Precipitation surplus is forecasted along the coast of the Adriatic Sea and Georgia, with around 60% probability for exceeding lower tercile.

In the period from September 14th to October 11th 2020, above normal mean monthly air temperature is expected for the northwestern Balkans, along the coasts of the Adriatic and Ionian Sea and eastern Mediterranean Sea, with anomaly up to +2°C. Probability for exceeding upper tercile is around 80%, even up to 90% in eastern Mediterranean. Precipitation sums are expected in western Turkey, with around 60% probability for exceeding upper 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 in the 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 21-9-2020

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

ANNEX

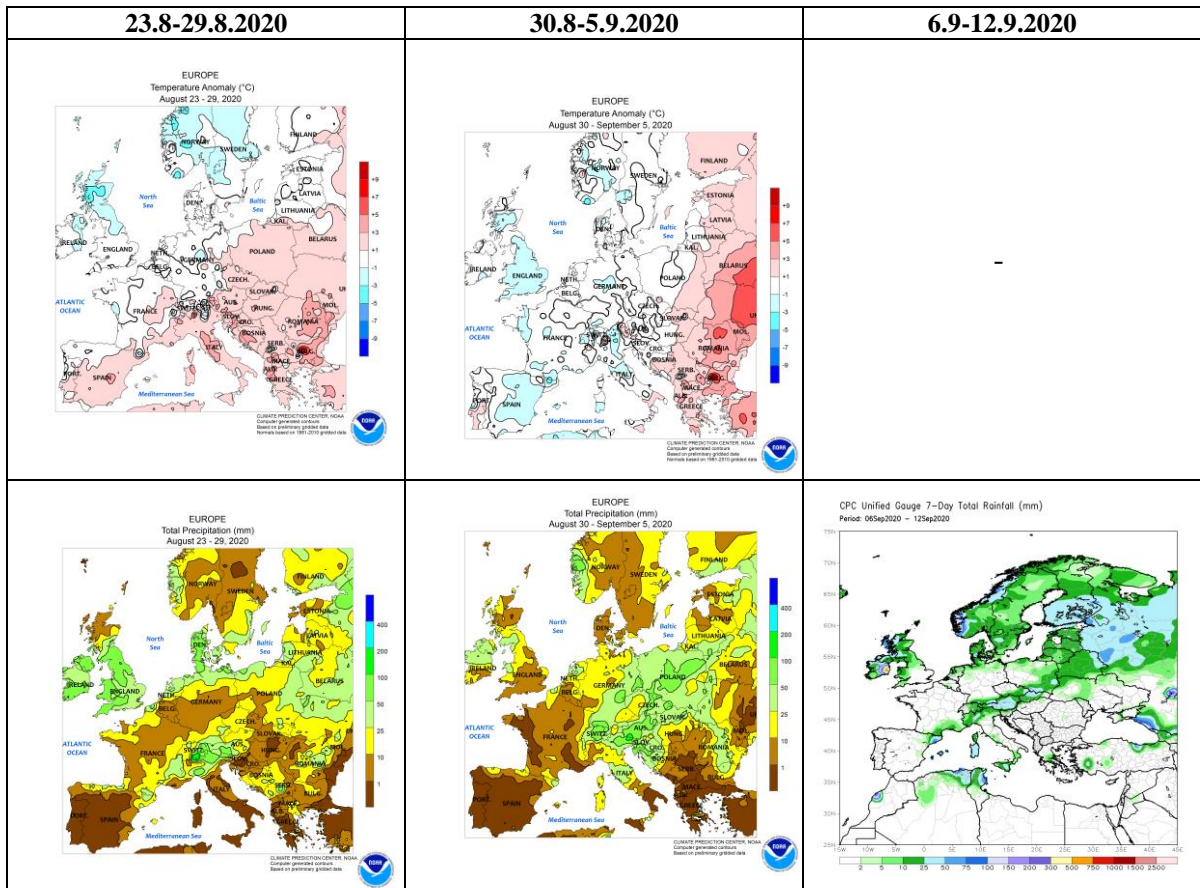


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

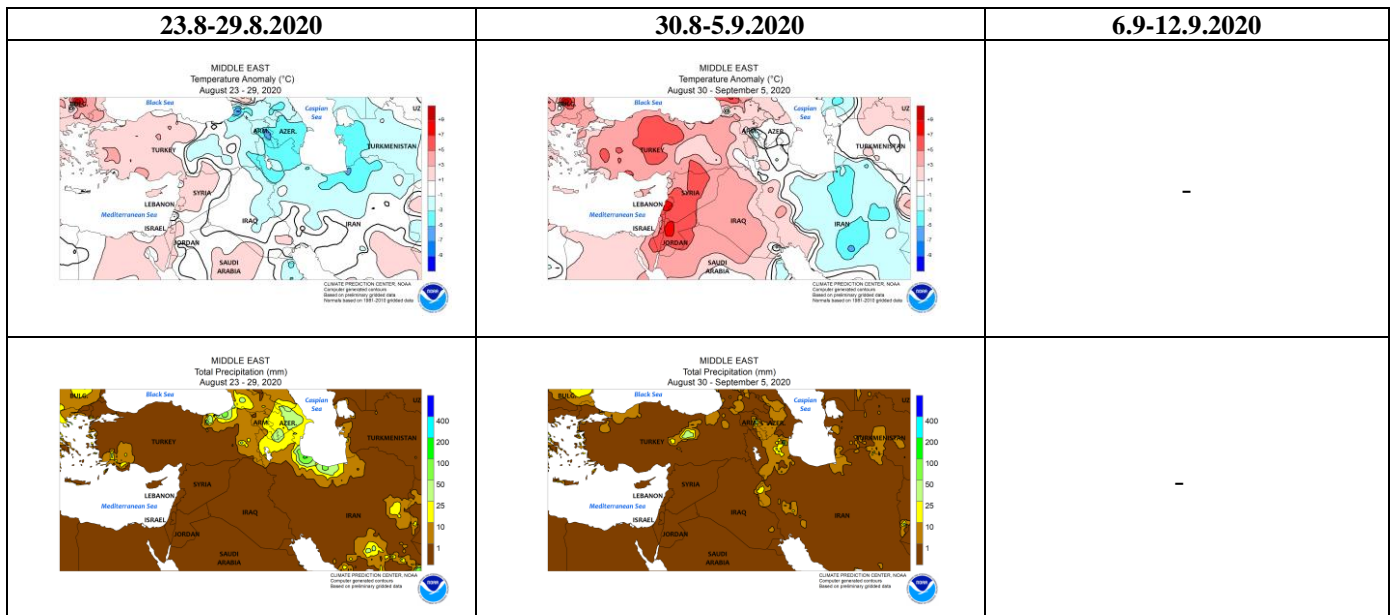


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

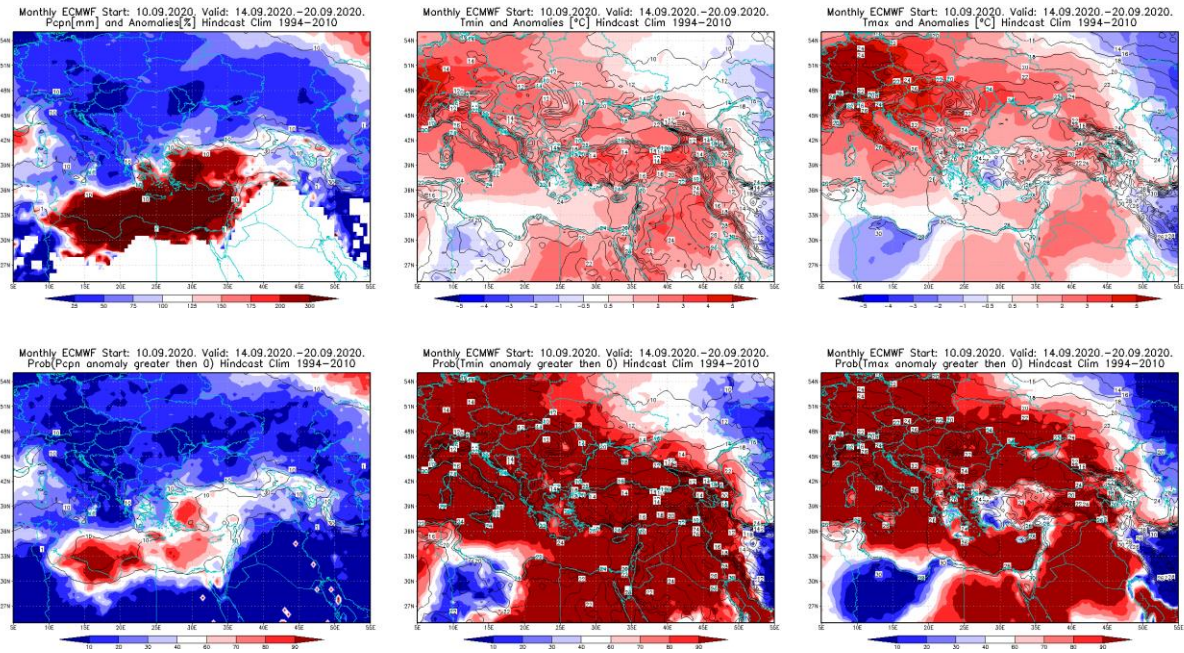


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 14–20.9.2020 period

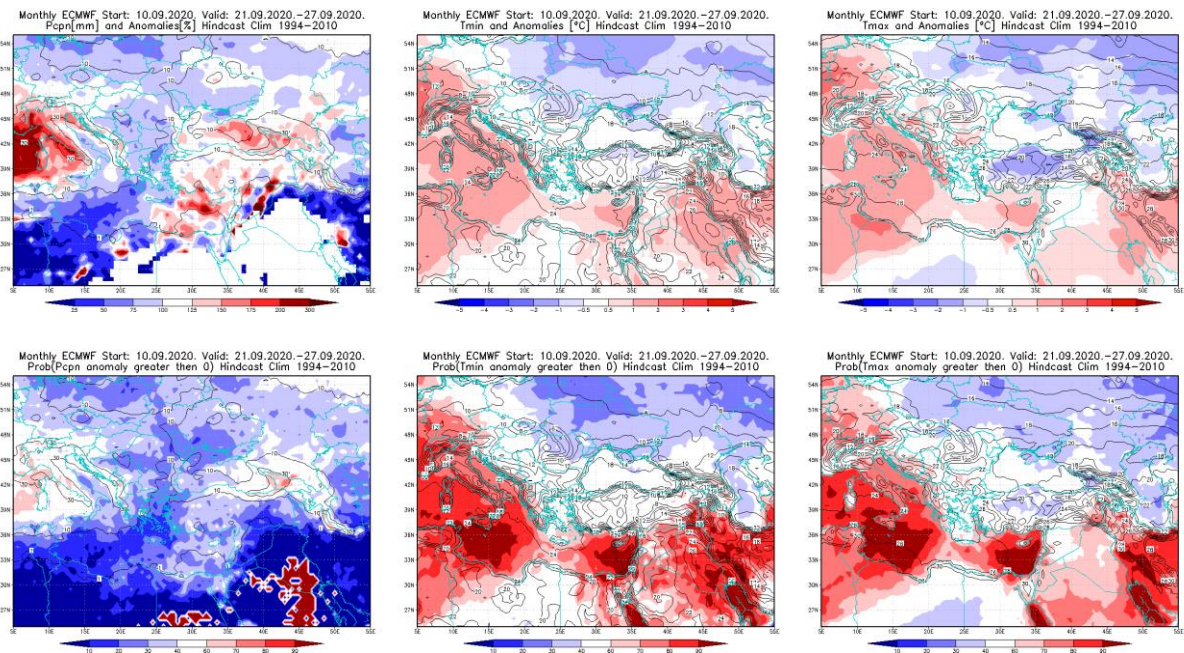


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 21–27.9.2020 period

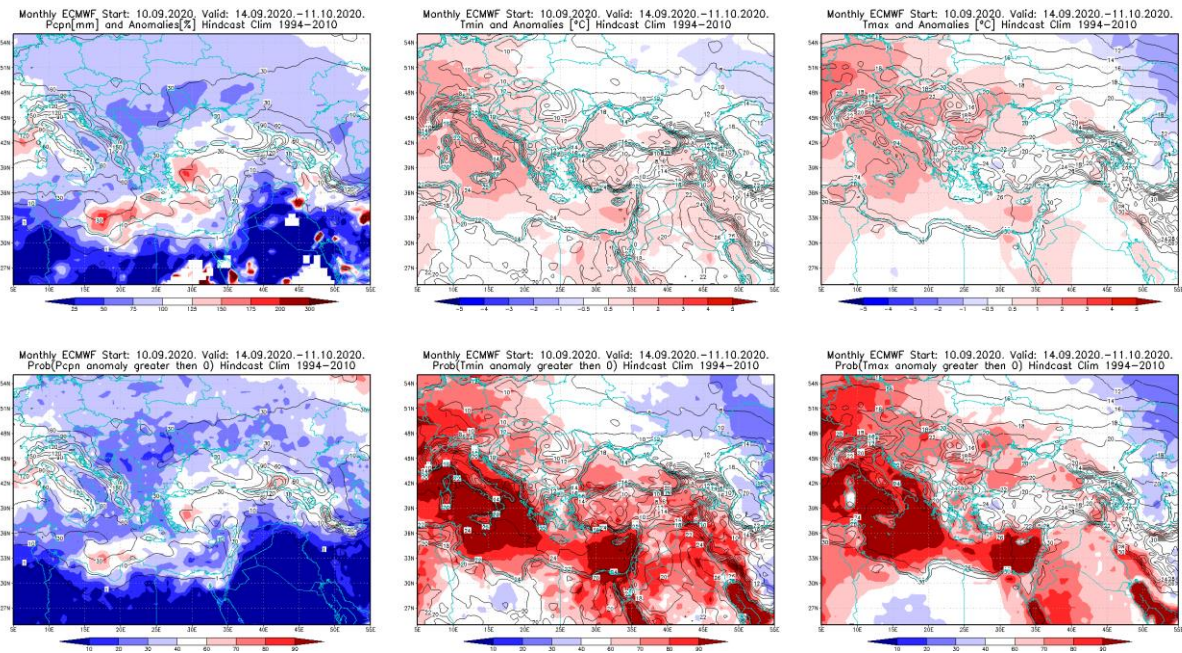


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 14.9–11.10.2020 period

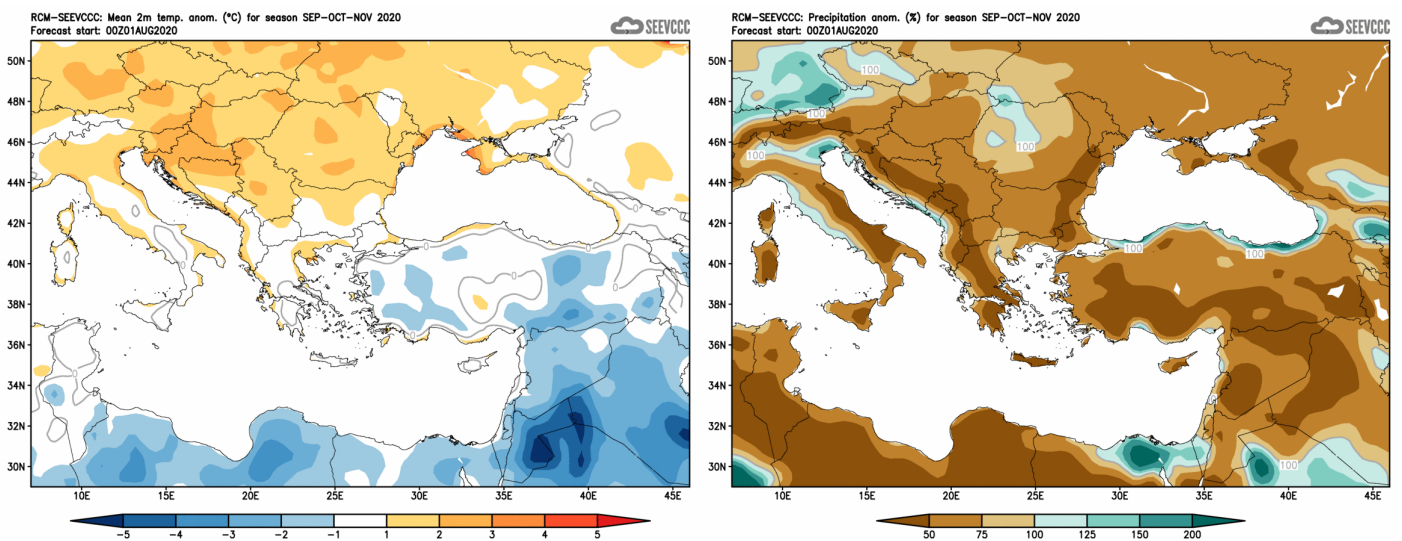


Figure 6. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook from RCM – SEEVCCC)

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/>)