

Climate Watch (Serial No.: 20190923 – 00)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

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Cancelled

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Valid from – to: 23-9 – 30-11-2019 Next amendment: 30-9-2019

Region of concern: **Balkans**

„In the period from September 16th to 22nd 2019, ECMWF monthly forecast predicts above normal mean weekly air temperature in the entire Balkans, with anomaly reaching up to +3°C, in most of the western, central and some location in the southern Balkans, western Turkey and Middle East. Probability for exceeding upper tercile is around 80%. Below normal mean weekly air temperature is expected in most of Ukraine and some location in the South Caucasus, with anomaly up to -4°C. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is forecasted for the northwestern and central Balkans, along Adriatic coast, most of Romania, western Bulgaria and westernmost Turkey with probability for exceeding upper tercile up to 90%. Precipitation deficit is forecasted for most of Turkey and South Caucasus, Cyprus and Middle East with around 80% probability for exceeding lower tercile.”

Monitoring

During the period from September 15th to 21st 2019, above normal air temperature, with anomaly up to +2°C, was observed in south Greece, eastern Turkey and most of south Caucasus. Below normal air temperature, with anomaly around -3°C, was registered in the remainder of the region, while in Romania and westernmost Ukraine it reached up to -4°C. In northernmost Turkey precipitation sums reached up to 90mm. Precipitation totals were mostly below 25 mm.

Outlook

Within the first week (September 23rd to 29th 2019), ECMWF monthly forecast predicts above normal mean weekly air temperature in the entire Balkans, with anomaly reaching up to +3°C, in most of the western, central and some location in the southern Balkans, western Turkey and the Middle East. Probability for exceeding upper tercile is around 80%. Below normal mean weekly air temperature is expected in most of Ukraine and some locations in the South Caucasus, with anomaly up to -4°C. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is forecasted for the northwestern and central Balkans, along Adriatic coast, most of Romania, western Bulgaria and westernmost Turkey with probability for exceeding upper tercile up to 90%. Precipitation deficit is forecasted for most of Turkey and South Caucasus, Cyprus and the Middle East with around 80% probability for exceeding lower tercile.

During the second week (September 30th to October 6th 2019), above normal mean weekly air temperature is expected in the southern and eastern Balkans and most of Turkey, with anomaly reaching up to +2°C, and with low probability for exceeding upper tercile. Precipitation surplus is expected in most of the western and eastern Balkans, Ukraine and Moldova with probability for exceeding upper tercile up to 60%. Precipitation deficit is predicted in most of Turkey, south Caucasus, Cyprus and along Aegean coast, with probability for exceeding lower tercile up to 60%.

In the period from September 23rd to October 20th 2019, above normal mean monthly air temperature is expected in most of south Turkey, south Balkans and Cyprus with anomaly around +2°C. Probability for exceeding upper tercile is around 70%. In rest of the region average temperature is predicted. Precipitation surplus is expected in most of the Balkans, with around 80% probability for exceeding upper tercile in the northwestern Balkans. Precipitation deficit is forecasted for northernmost Turkey and most of south Caucasus. Probability for exceeding 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 SEE region. Below normal seasonal air temperature is expected in central and southern parts of Turkey. Precipitation surplus is predicted for the Carpathian region, northernmost and southernmost Turkey and some locations in the South Caucasus and along southern Adriatic. Precipitation deficit is expected in western, some central, eastern and southern parts of the Balkans, most of Moldova and Ukraine, southwestern and eastern Turkey and Cyprus.

Update

An updated statement will be issued on 30-9-2019

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

ANNEX

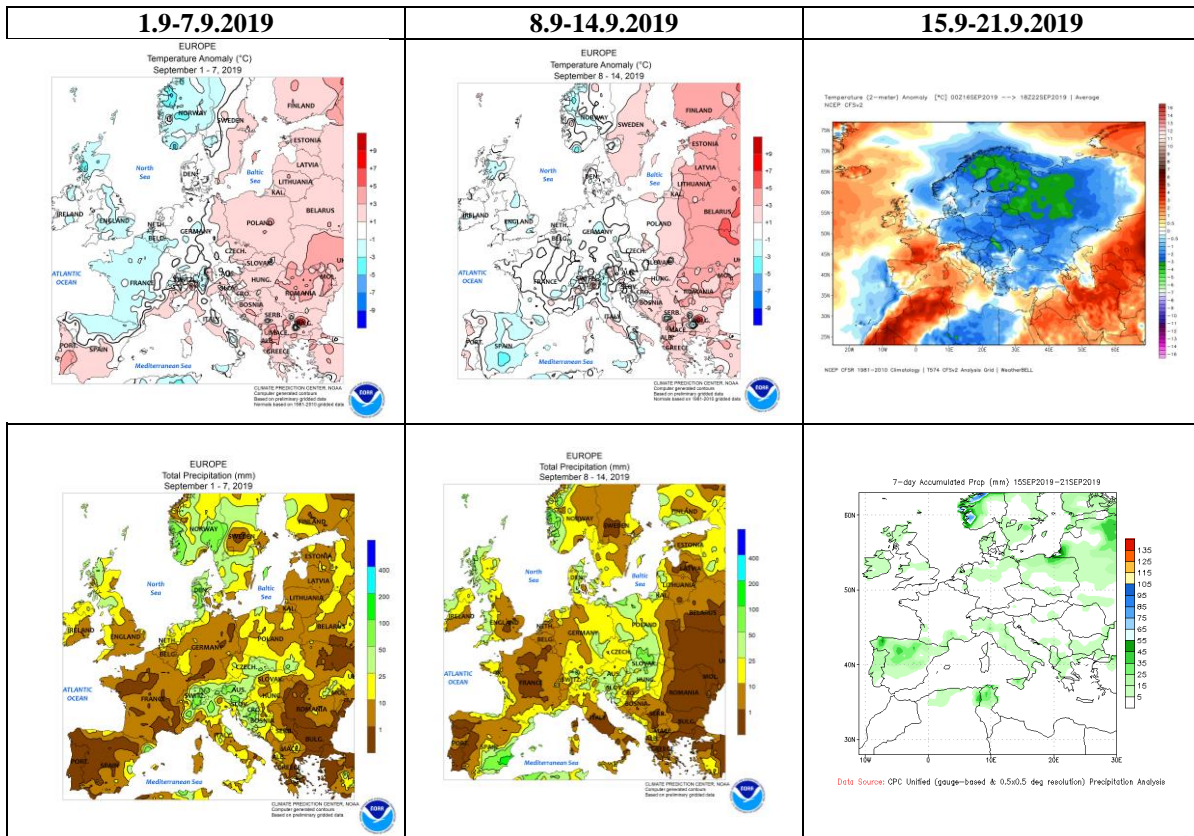


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

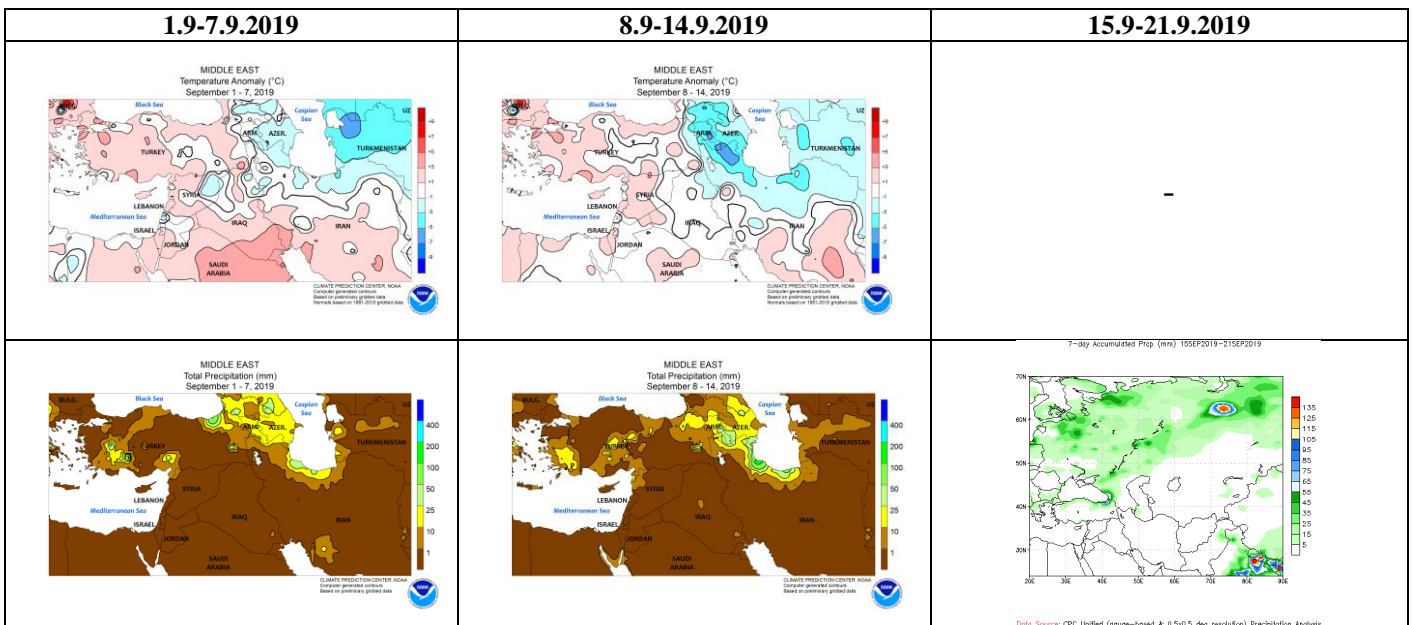


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

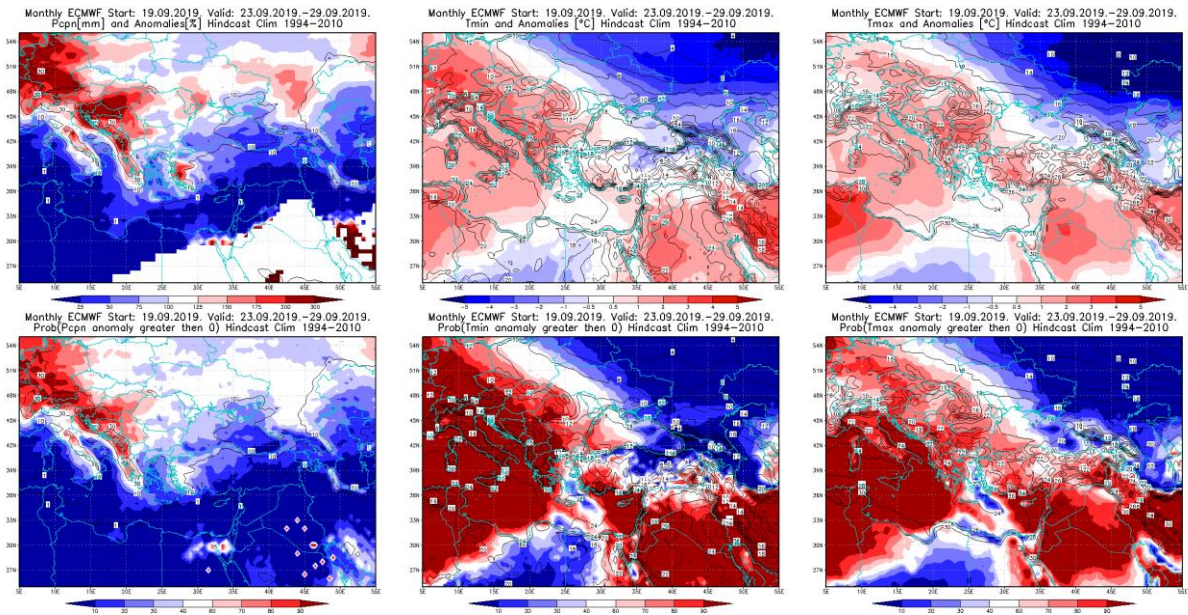


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 23.9 – 29.9.2019 period

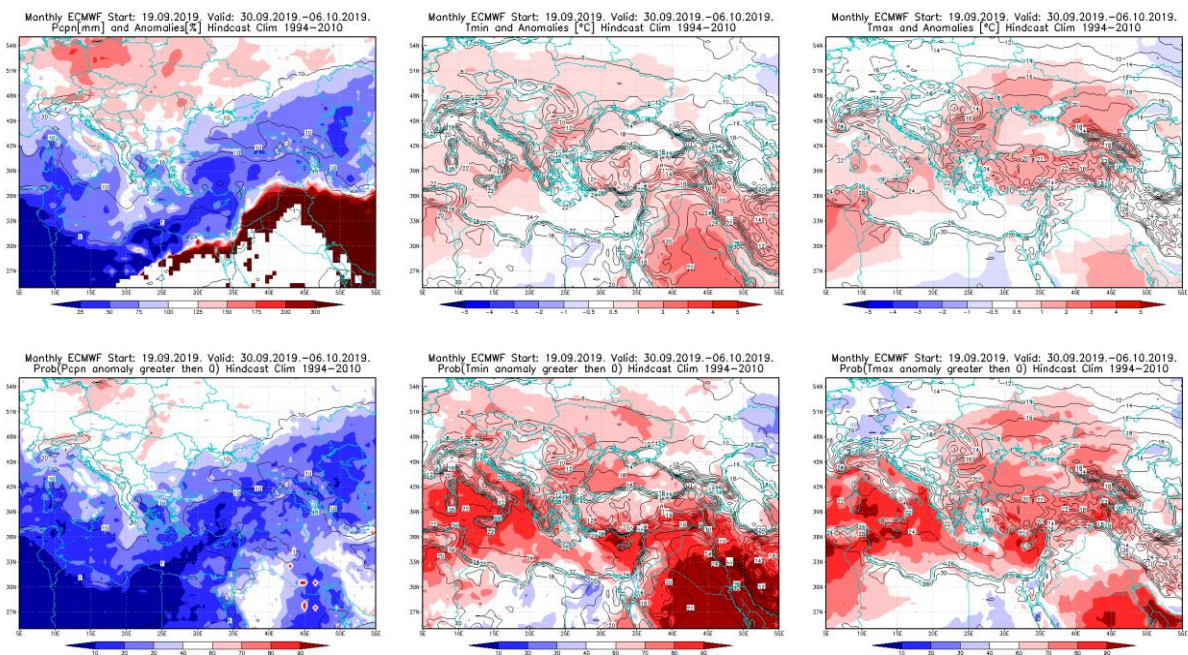


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 30.9 – 6.10.2019 period

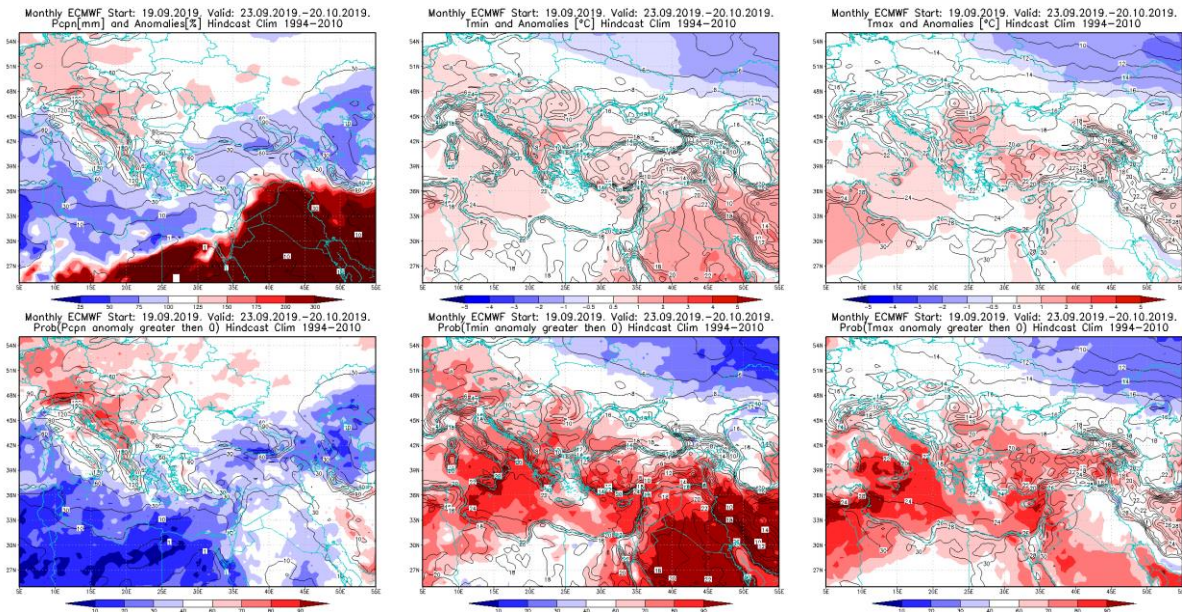


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 23.9 – 21.10.2019 period

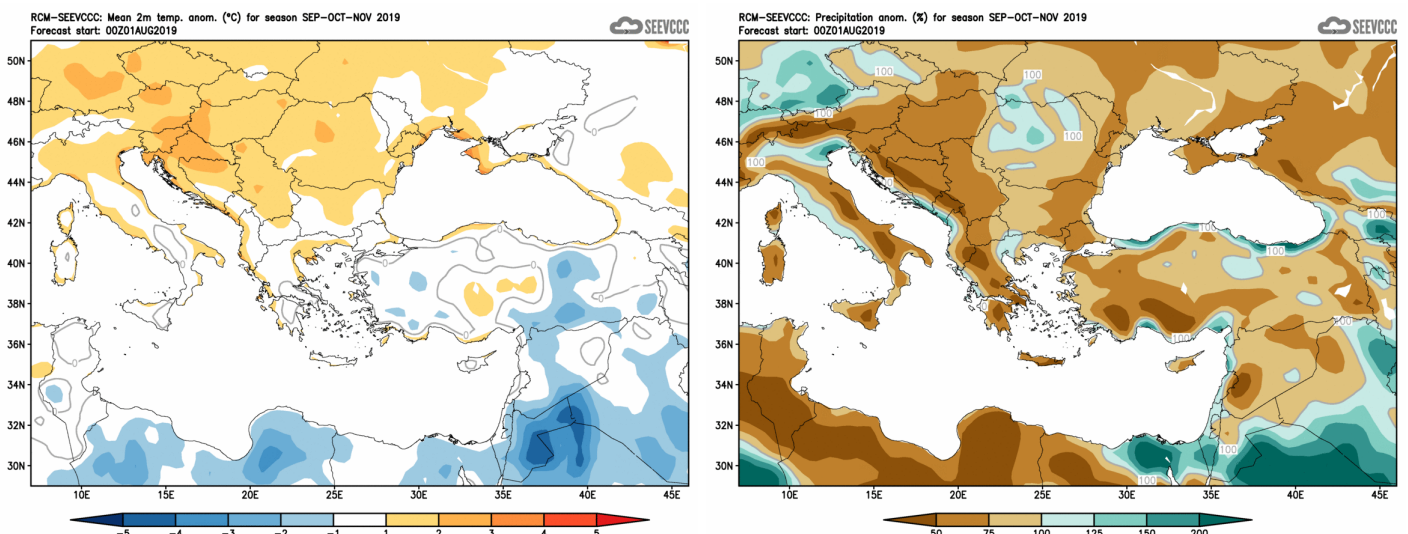


Figure 6. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook from RCM – SEEVCCC)

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/>)