

## Climate Watch (Serial No.: 20190729 – 00)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / 29-7-2019 12:00 P.M.  
Cancelled

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Valid from – to: 29-7 – 31-10-2019 Next amendment: 5-8-2019

Region of concern: **Ukraine, Turkey, Georgia**

**„In the period from July 29<sup>th</sup> to August 4<sup>th</sup> 2019, below normal mean weekly air temperature is predicted for most of Georgia, central and northern Turkey and most of Ukraine, with anomaly up to -2°C, in eastern Ukraine up to -5°C. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected in the central and eastern Balkans, Romania, southern Moldova, southern and eastern Ukraine, Azerbaijan, eastern Georgia and Israel. Probability for exceeding upper tercile is around 80%.“**

### Monitoring

During the period from July 21<sup>st</sup> to 27<sup>th</sup> 2019, below normal air temperature, with anomaly up to -3°C, was registered in parts of western and central Turkey, most of Georgia and part of southwestern Bulgaria. Above normal air temperature, with anomaly up to +3°C, was observed in most of the Balkans, most of Romania, western Ukraine, Armenia, Azerbaijan and part of eastern Turkey, while in some parts of the western Balkans and easternmost Turkey temperature anomaly were up to +5°C. Precipitation totals were mostly below 25 mm. In western Georgia precipitation sums were up to 75 mm.

## **Outlook**

Within the first week (July 29<sup>th</sup> to August 4<sup>th</sup> 2019), ECMWF monthly forecast predicts below normal mean weekly air temperature in most of Georgia, central and northern Turkey and most of Ukraine, with anomaly up to -2°C, in eastern Ukraine up to -5°C. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected in the central and eastern Balkans, Romania, southern Moldova, southern and eastern Ukraine, Azerbaijan, eastern Georgia and Israel. Probability for exceeding upper tercile is around 80%. Precipitation deficit is forecasted for Greece and most of Turkey, with low probability.

During the second week (August 5<sup>th</sup> to 11<sup>th</sup> 2019), below normal mean weekly air temperature is expected in northern and central Turkey, eastern Ukraine and south Caucasus, with anomaly up to -2°C. Probability for exceeding lower tercile is around 70%. Precipitation surplus is predicted for Croatia, northern Adriatic, southern Bulgaria and northeastern Greece, with around 60% probability for exceeding upper tercile. Precipitation deficit is expected in most of Turkey, most of Greece and western part of Northern Macedonia. Probability for exceeding lower tercile is up to 60%.

In the period from July 29<sup>th</sup> to August 25<sup>th</sup> 2019, monthly mean air temperature is expected to be within the average. Precipitation surplus is predicted for Romania, Bulgaria and southeastern Ukraine. Precipitation deficit is forecasted for Turkey and Greece. Probability for exceeding upper/lower tercile is around 60%.

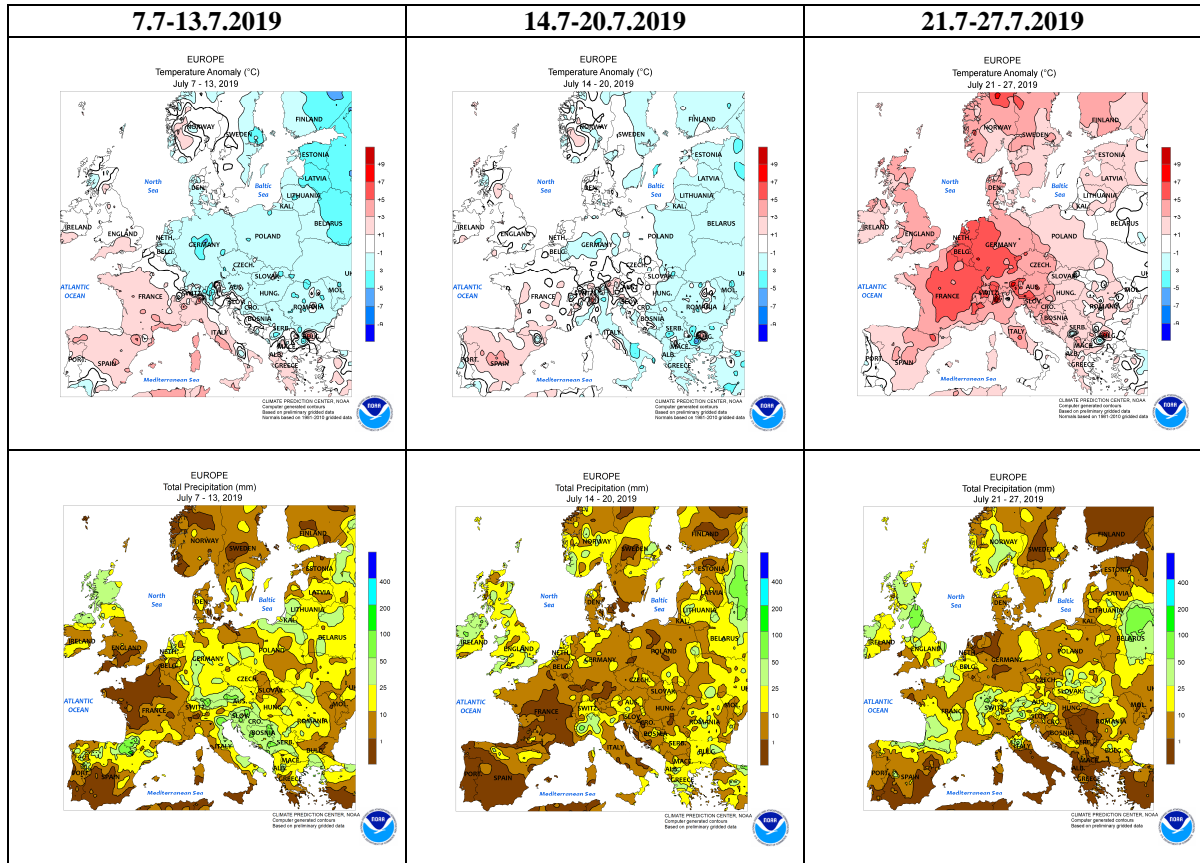
During the following three months (August, September and October) seasonal forecast predicts above normal seasonal air temperature for the northern Balkans and western Ukraine. Below normal seasonal air temperature is expected in eastern parts of central Turkey and Middle East. Precipitation surplus is predicted for the Carpathian region, northern Turkey and South Caucasus. Precipitation deficit is expected in some western, central, eastern and southern parts of the Balkans, Moldova, most of Ukraine, southwestern Turkey and Cyprus.

## **Update**

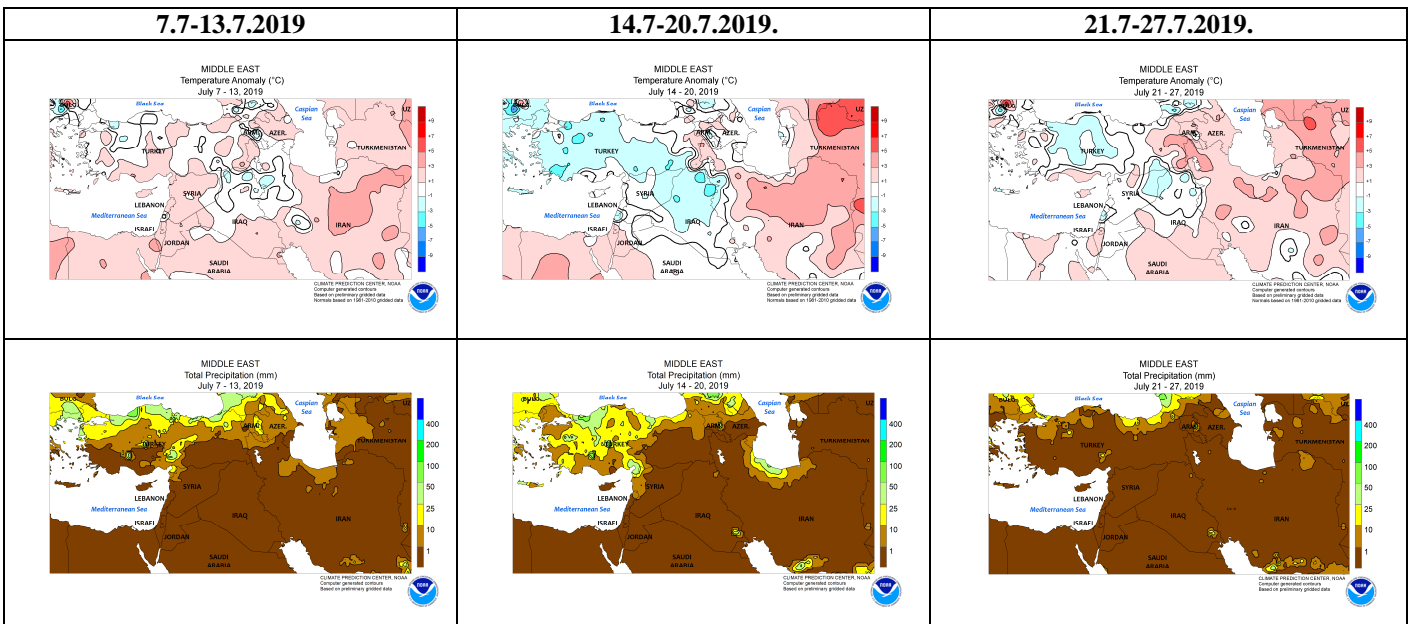
An updated statement will be issued on 5-8-2019

For further information please contact [cws-seevccc@hidmet.gov.rs](mailto:cws-seevccc@hidmet.gov.rs)

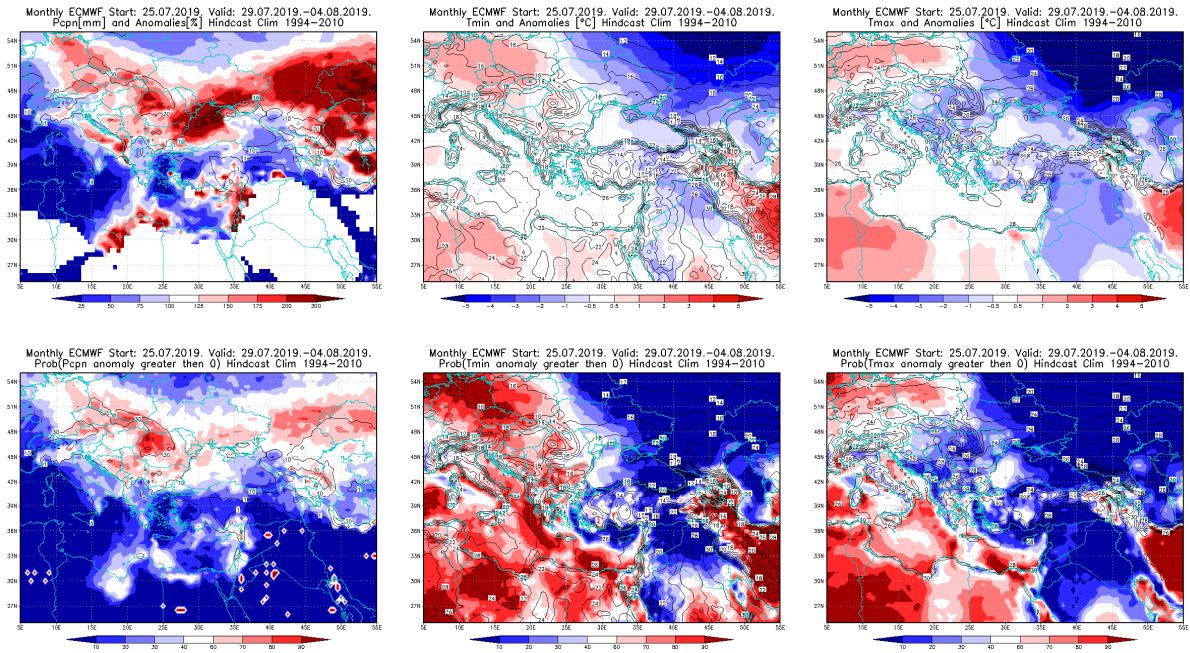
**ANNEX**



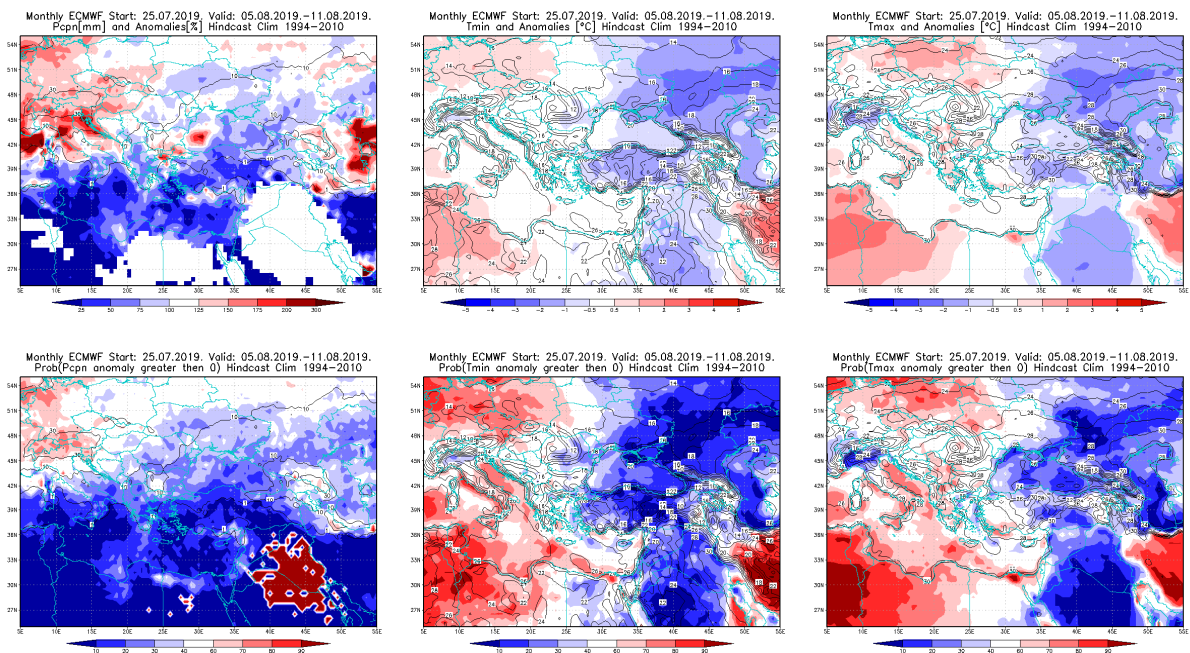
**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



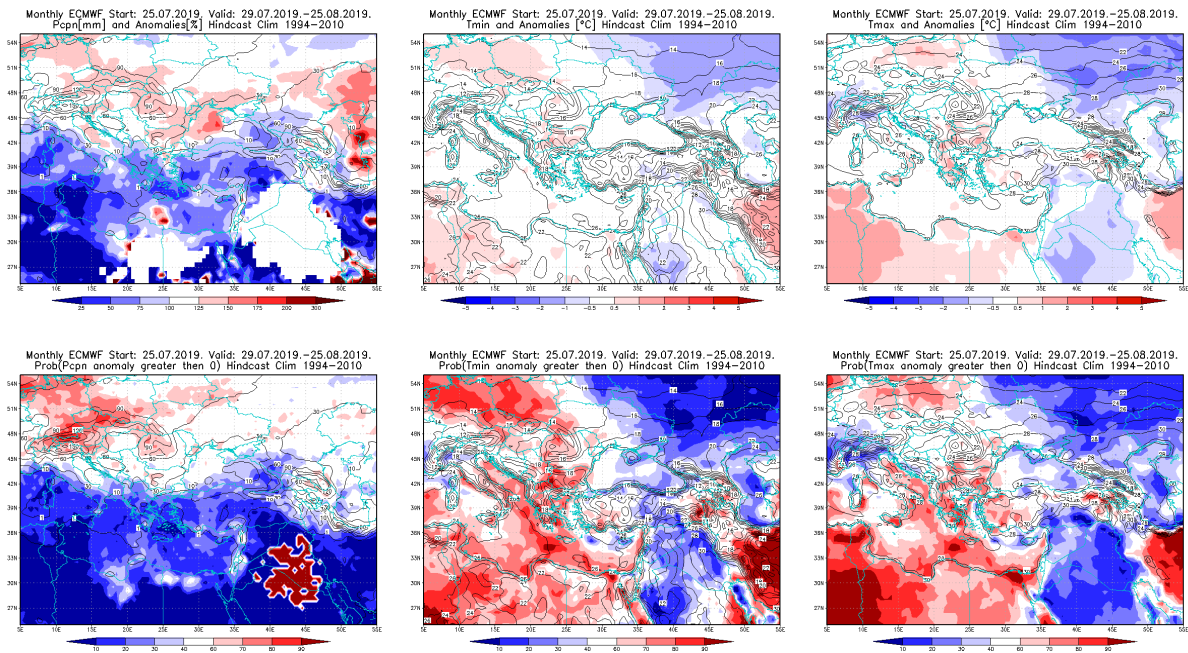
**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



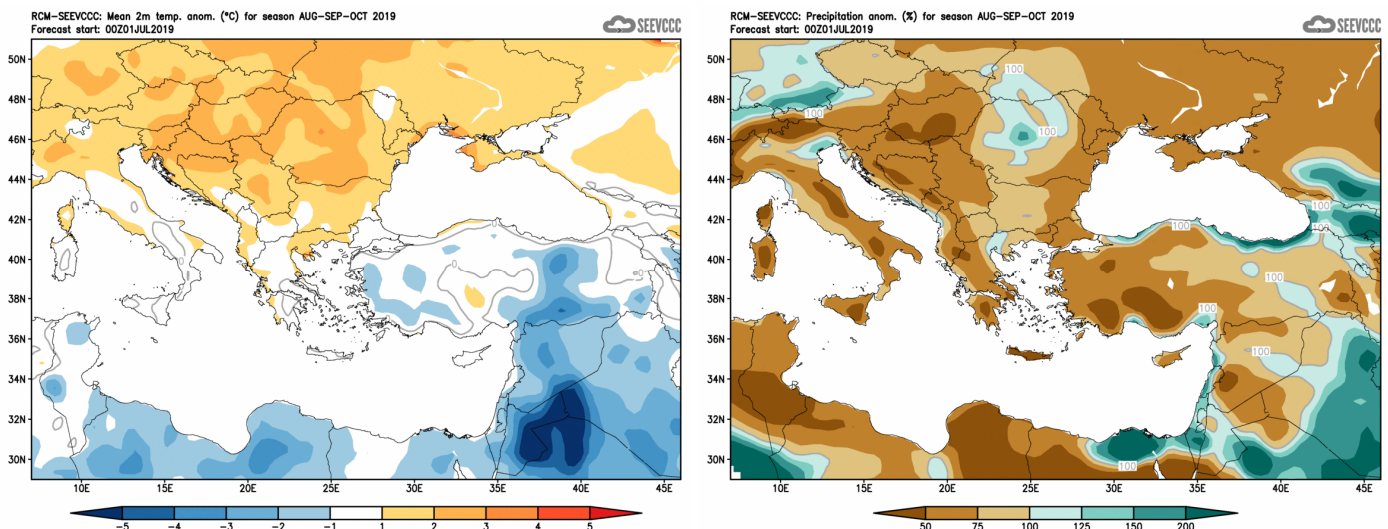
**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 29.7 – 4.8.2019 period



**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 5.8 – 11.8.2019 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 29.7 – 25.8.2019 period



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

### Sources

- Republic Hydrometeorological Service of Serbia ([www.hidmet.gov.rs](http://www.hidmet.gov.rs))
- South East European Virtual Climate Change Center ([www.seevccc.rs](http://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/>)