

## Climate Watch (Serial No.: 20190805 – 00)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 5-8-2019 12:00 P.M.

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Valid from – to: 5-8 – 31-10-2019 Next amendment: 12-8-2019

Region of concern: **Ukraine, Turkey**

**„In the period from August 5<sup>th</sup> to 11<sup>th</sup> 2019, below normal mean weekly air temperature is predicted for the eastern Balkans, Moldova, Ukraine Turkey and south Caucasus, with anomaly up to -3°C, in eastern Ukraine up to -4°C. Probability for exceeding lower tercile is up to 90%. Above normal mean weekly air temperature is expected in the south Balkans, with anomaly around +2°C and with around 80% probability for exceeding upper tercile. Precipitation surplus is expected in central Turkey and Ukraine, with around 70% probability for exceeding upper tercile.”**

### Monitoring

During the period from July 28<sup>th</sup> to August 4<sup>th</sup> 2019, below normal air temperature, with anomaly up to -3°C, was registered in the western, central and most of eastern Balkans, most of Ukraine, parts of Moldova, Cyprus and most of Georgia. In northeastern Ukraine anomaly reached up to -4°C. Above normal air temperature, with anomaly up to +3°C, was observed in most of the south Balkans, most of south Caucasus and Turkey. Precipitation totals were mostly below 25 mm. In some parts of the northwestern, central and south Balkans, precipitation sums reached 60 mm.

## **Outlook**

Within the first week (August 5<sup>th</sup> to 11<sup>th</sup> 2019), ECMWF monthly forecast predicts below normal mean weekly air temperature in most of the eastern Balkans, Moldova, Ukraine Turkey and south Caucasus, with anomaly up to -3°C, in eastern Ukraine up to -4°C. Probability for exceeding lower tercile is up to 90%. Above normal mean weekly air temperature is expected in the southern Balkans, with anomaly around +2°C and with around 80% probability for exceeding upper tercile. Precipitation surplus is expected in central Turkey and Ukraine, with around 70% probability for exceeding upper tercile. Precipitation deficit is forecasted for rest of the region. Probability for exceeding lower tercile is up to 90%.

During the second week (August 12<sup>th</sup> to 18<sup>th</sup> 2019), above normal mean weekly air temperature is expected in most of the Balkans, western and eastern Turkey, and along Aegean Sea and south Caucasus, with anomaly up to +2°C. Probability for exceeding upper tercile is around 80%. Precipitation surplus is predicted for Ukraine, Carpathian region, and most of Moldova with around 70% probability for exceeding upper tercile. Precipitation deficit is expected in southernmost Turkey, most of Greece and along the south Adriatic. Probability for exceeding lower tercile is up to 70%.

In the period from August 5<sup>th</sup> to September 1<sup>st</sup> 2019, above normal monthly mean air temperature is expected in the southern Balkans with anomaly up to +2°C. Probability for exceeding upper tercile is up to 80%. In rest of the region average monthly mean air temperature is predicted. Precipitation surplus is predicted for central Ukraine. Precipitation deficit is forecasted for most of Turkey and south Balkans. Probability for exceeding upper/lower tercile is around 70%.

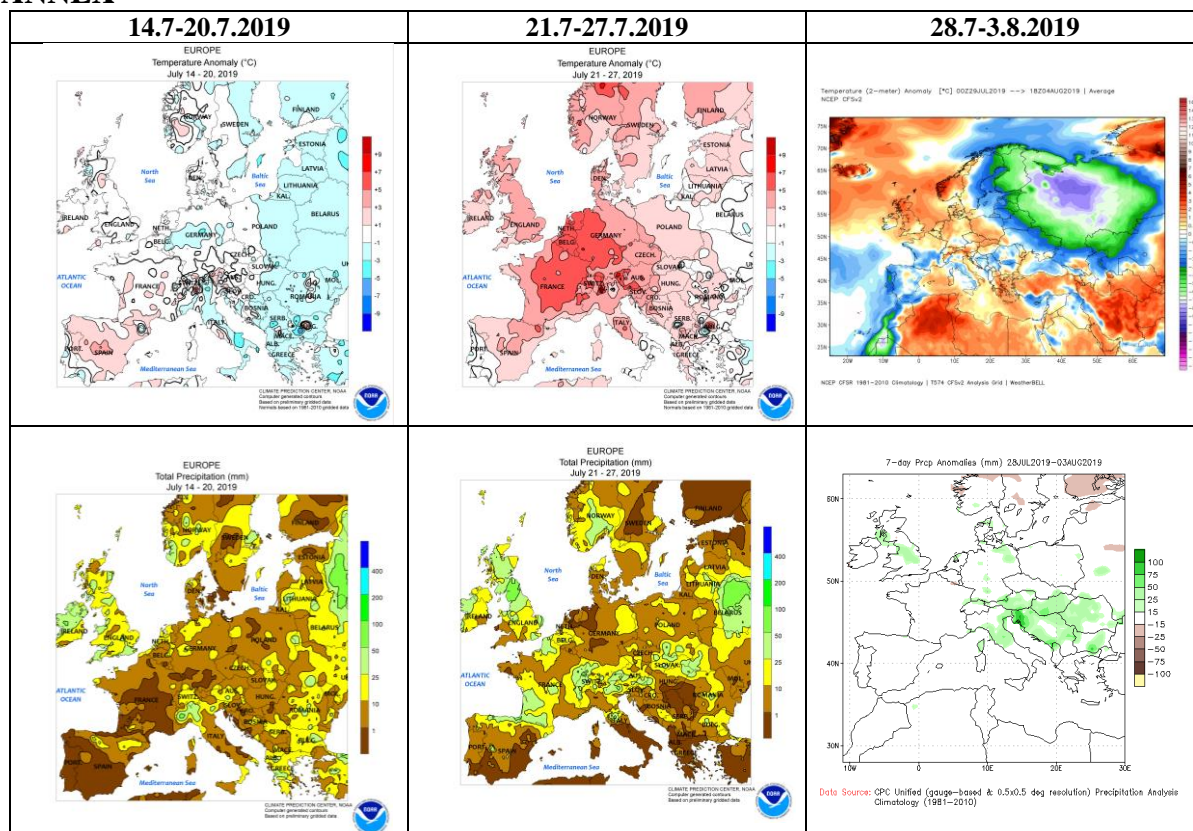
During the following three months (August, September and October) seasonal forecast predicts above normal seasonal air temperature for the northern Balkans and western Ukraine. Below normal seasonal air temperature is expected in eastern parts of central Turkey and Middle East. Precipitation surplus 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**

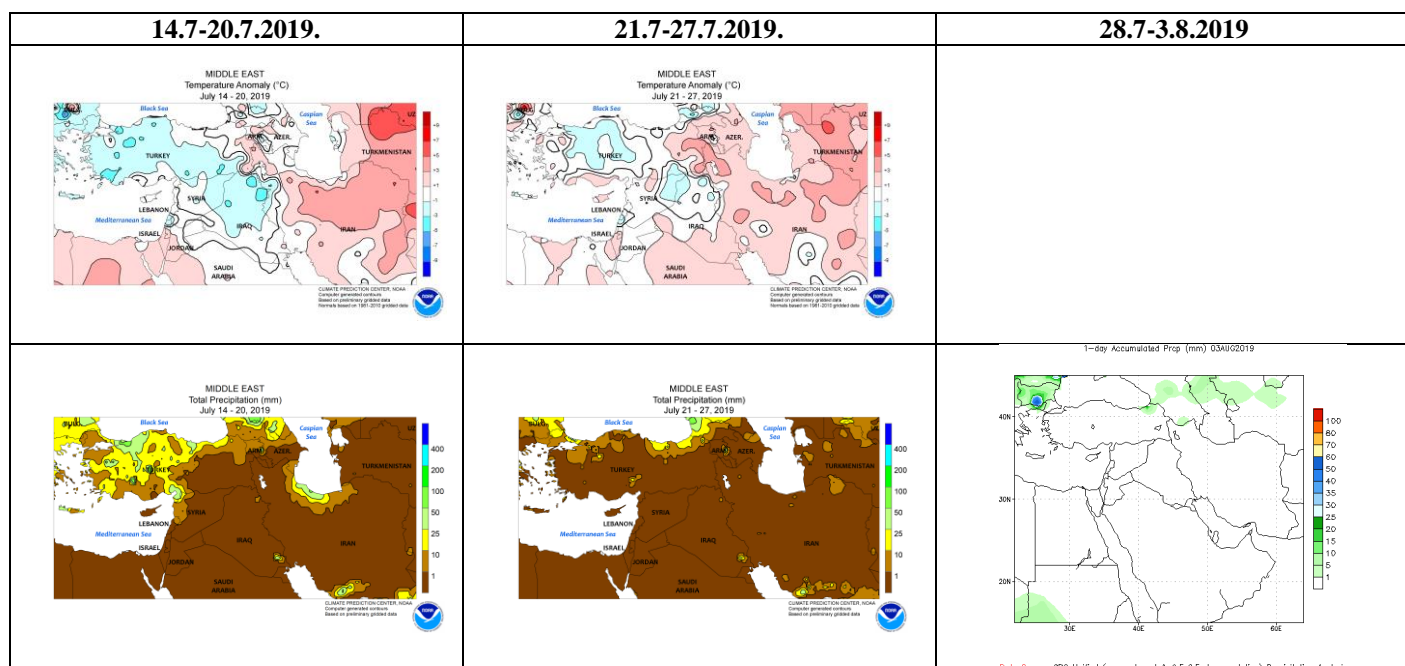
An updated statement will be issued on 12-8-2019

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

## ANNEX

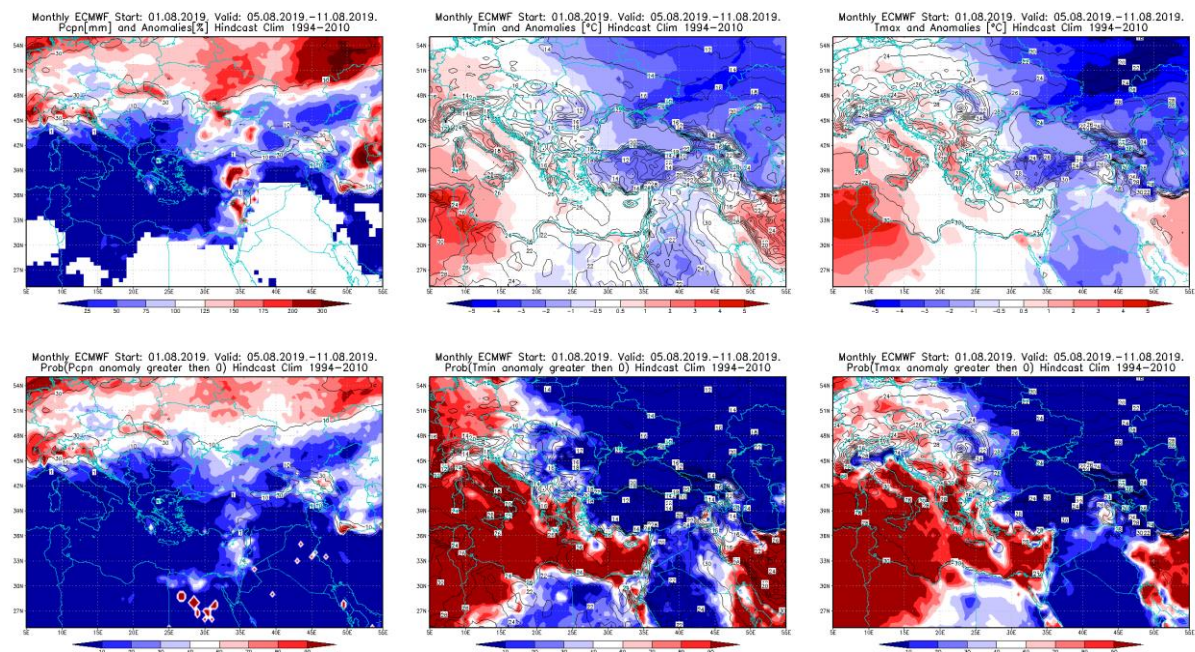


**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

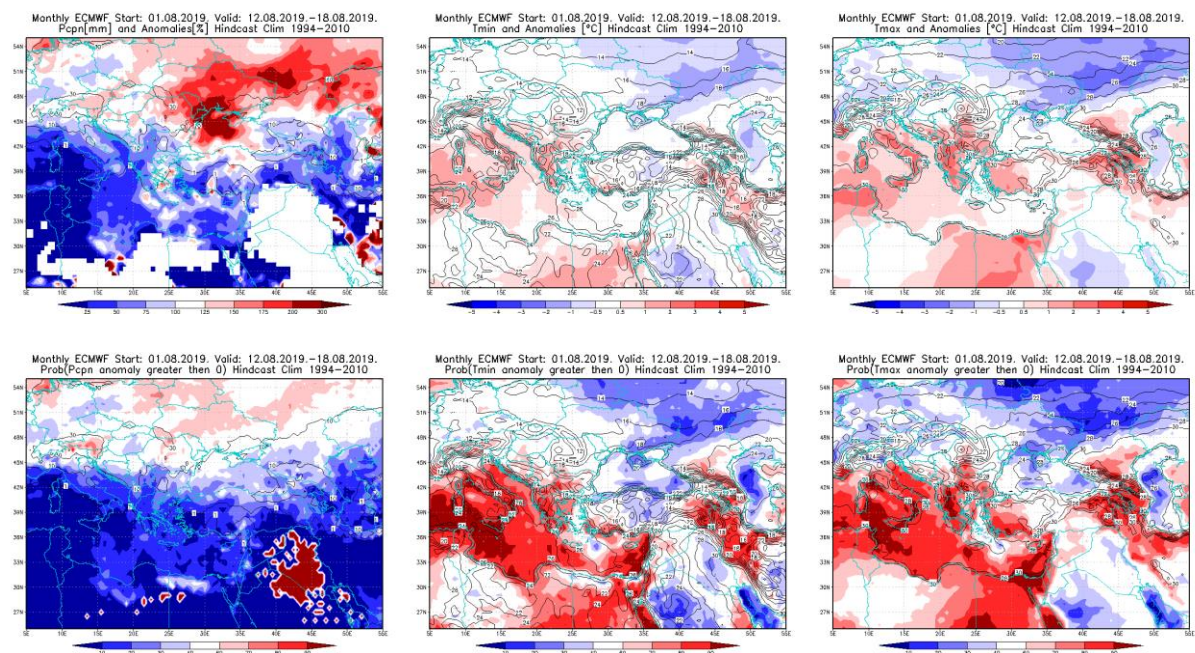


**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



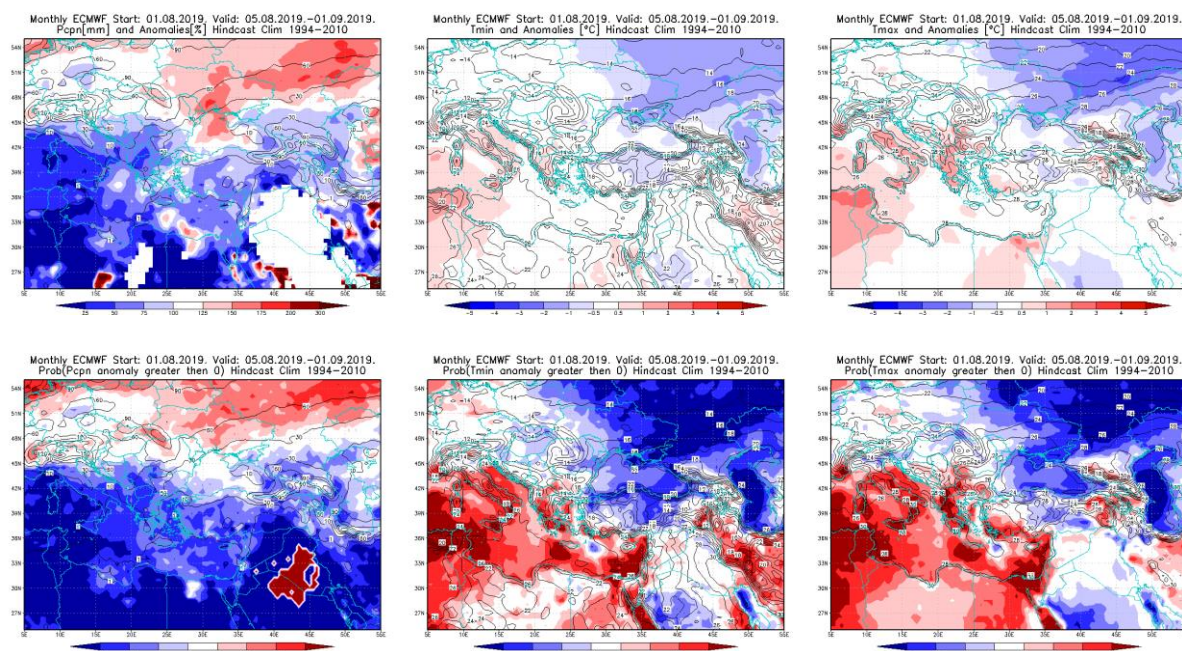


**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 5.8 – 11.8.2019 period

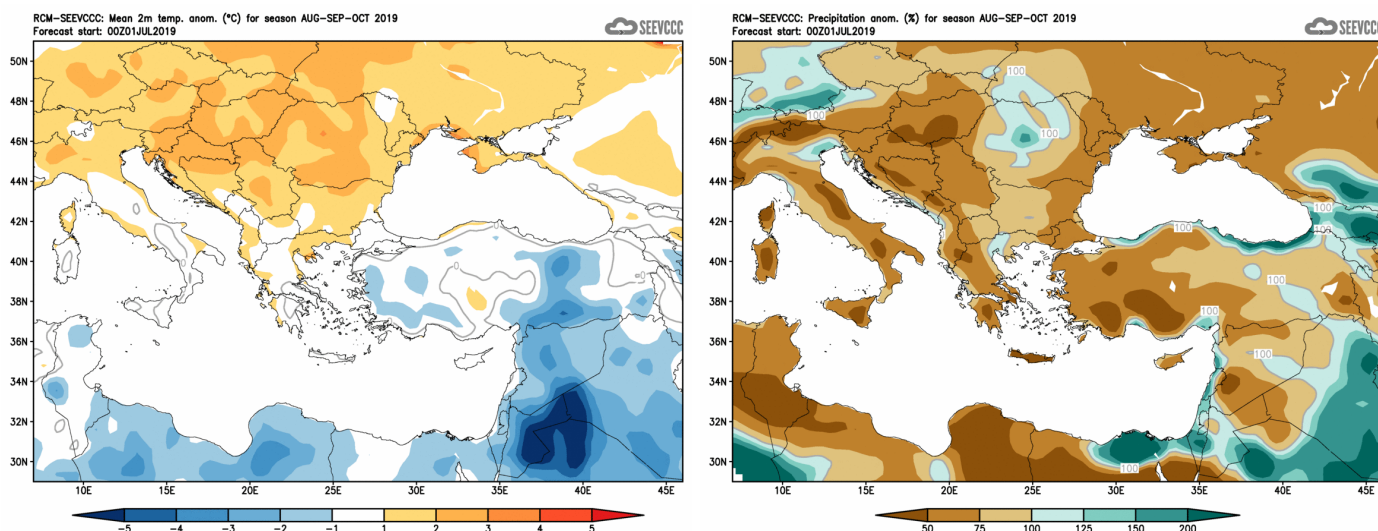


**Figure 4.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 12.8 – 18.8.2019 period





**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 5.8 – 1.9.2019 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/>)