

## Climate Watch (Serial No.: 20180820 – 00)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing  
the statement: SEEVCCC

Issued/ Amended / 20-8-2018 12:00 P.M.  
Cancelled

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Valid from – to: 20-8-2018 – 30-11-2018 Next amendment: 27-8-2018

Region of concern: **the Balkans, Ukraine and Turkey**

**„In the period from August 20<sup>th</sup> to 26<sup>th</sup> 2018, ECMWF monthly forecast predicts precipitation surplus across Adriatic Sea, southwestern Balkans and Eastern Mediterranean, while precipitation deficit is expected in the eastern Ukraine and northern Turkey. Probability for exceeding upper/lower tercile is up to 90%.“**

### Monitoring

In the period from August 12<sup>th</sup> to 18<sup>th</sup> 2018, above normal air temperature was registered in most of the SEE region, with anomaly reaching up to +7°C in Moldova. Below normal air temperature was in the southern Balkans, central Turkey as well as South Caucasus, with up to -3°C anomaly. Precipitation totals were mostly below 25 mm over the entire region, except certain locations in the western Balkans, Carpathian Mountains and western Georgia, where precipitation sums reached up to 50 mm.

## **Outlook**

Within the first week (August 20<sup>th</sup> to 26<sup>th</sup> 2018), ECMWF monthly forecast predicts above normal mean weekly air temperature along the Adriatic Sea, western Balkans, Carpathian Mountains, Moldova and western Ukraine with anomaly reaching up to +3°C. Below normal mean weekly air temperature, with anomaly up to -3°C, is expected in southwestern Balkans, Cyprus, Azerbaijan and Middle East. Probability for exceeding upper/lower tercile is up to 90%. Precipitation surplus is predicted across Adriatic Sea, southwestern Balkans and Eastern Mediterranean, while precipitation deficit is expected in the eastern Ukraine and northern Turkey. Probability for exceeding upper/lower tercile is up to 90%.

During the second week (August 27<sup>th</sup> to September 2<sup>nd</sup> 2018), above normal mean weekly air temperature with anomaly up to +2°C is expected, in the eastern Balkans, Carpathian Mountains, Ukraine, as well as northern and central Turkey. Below normal mean weekly air temperature, with anomaly up to -2°C, is predicted in southwestern Balkans and Middle East. Probability for exceeding upper/lower tercile is around 60%. Precipitation surplus is expected in most of the Balkans, with up to 70% probability for exceeding upper tercile.

In the period from August 20<sup>th</sup> to September 16<sup>th</sup> 2018, above normal mean monthly air temperature is expected along the Adriatic and Aegean Sea, Carpathian Mountains, Ukraine, as well as central Turkey, with anomaly reaching up to +3°C. Probability for exceeding upper tercile is in a range from 60% in eastern Ukraine and central Turkey, to 90% over the Carpathians. Precipitation surplus is expected along the Adriatic Sea and southwestern Balkans, while precipitation deficit is predicted for the southeastern Balkans, Moldova, Ukraine, central Turkey and Azerbaijan. Probability for exceeding upper/lower tercile is up to 60%.

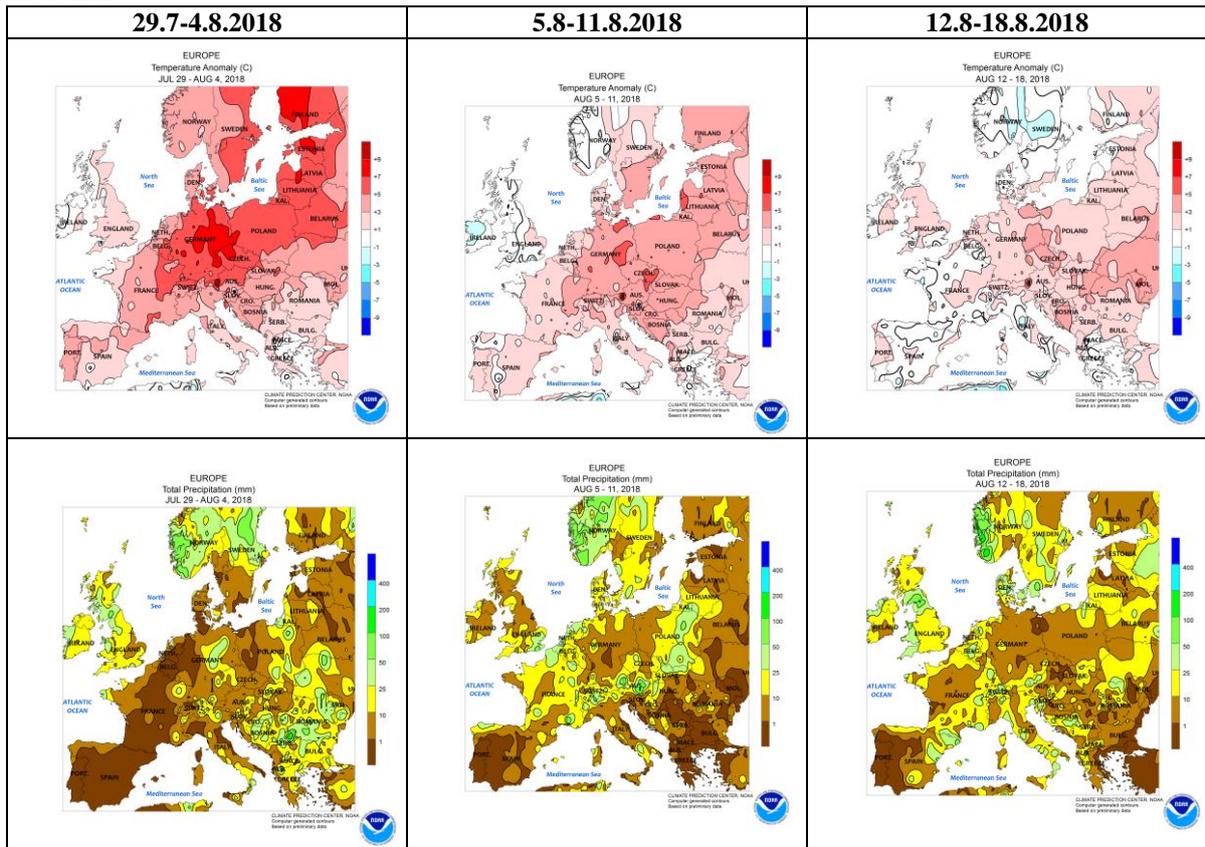
During the following three months (September, October and November) seasonal forecast predicts above normal seasonal air temperature for most of the Balkans, Romania and Ukraine. Below normal seasonal air temperature is expected in parts of eastern and southeastern Turkey. Precipitation surplus is predicted for the Carpathian region, most of South Caucasus, northernmost and southernmost Turkey, along the Adriatic Sea, most of Jordan and Israel. Precipitation deficit is expected in most of the Balkans, eastern and southeastern Turkey, most of Cyprus and Ukraine.

## **Update**

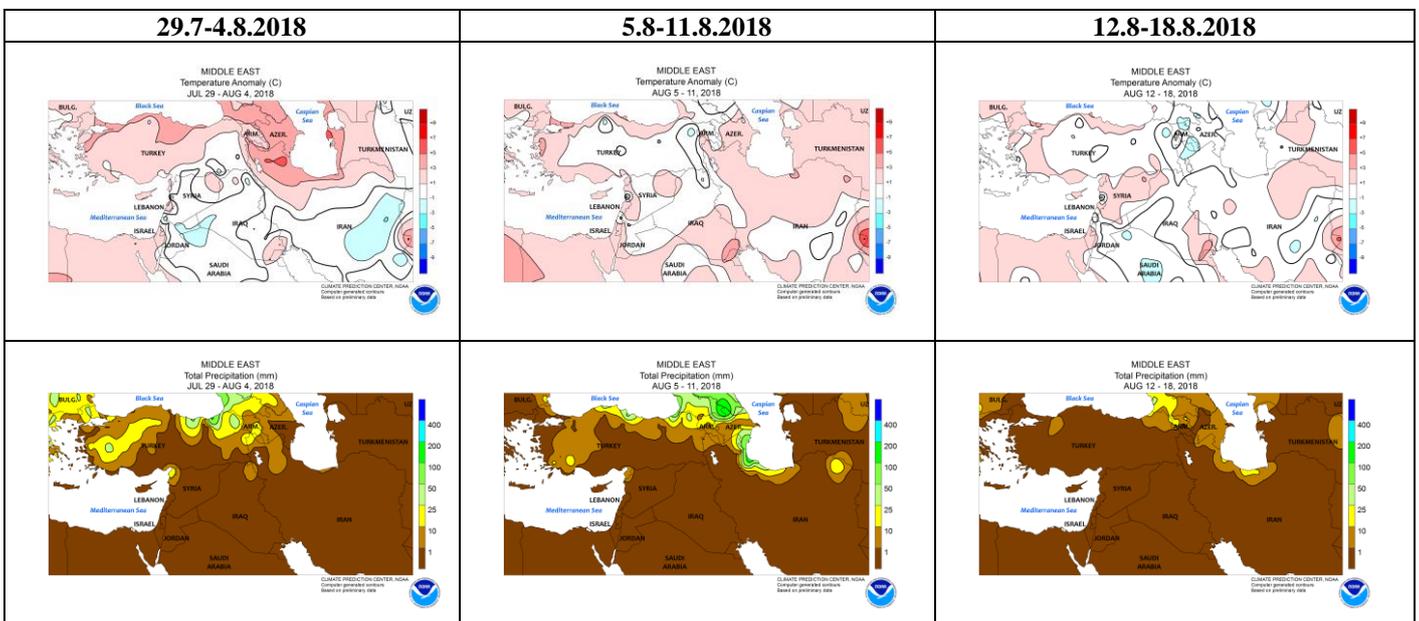
An updated statement will be issued on 27-8-2018

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

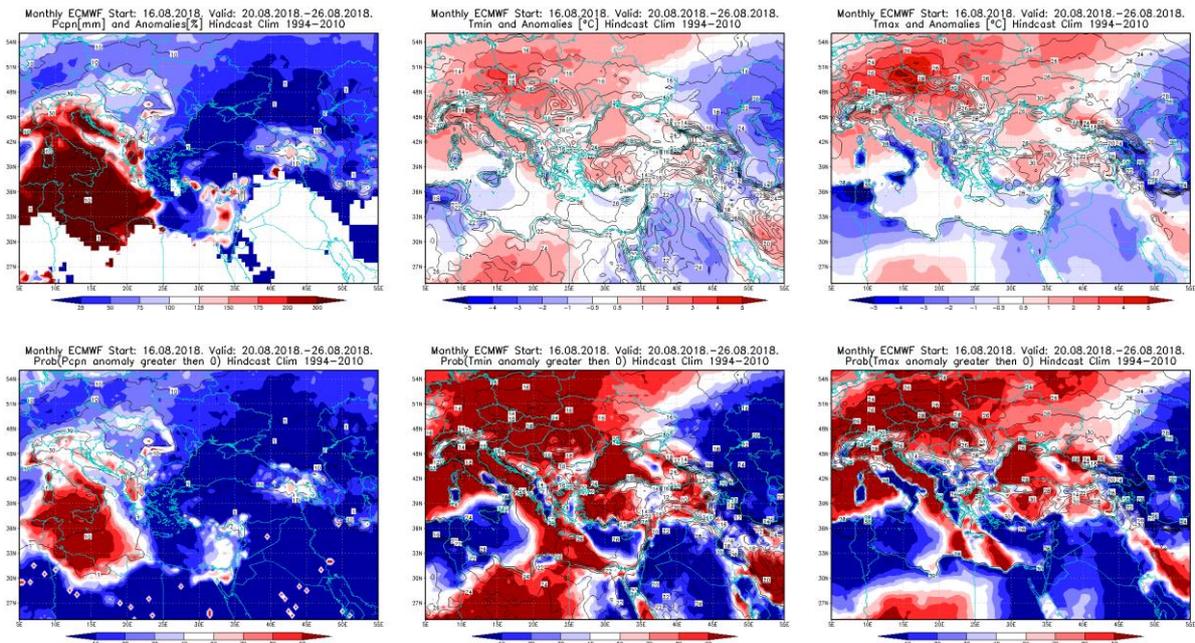
**ANNEX**



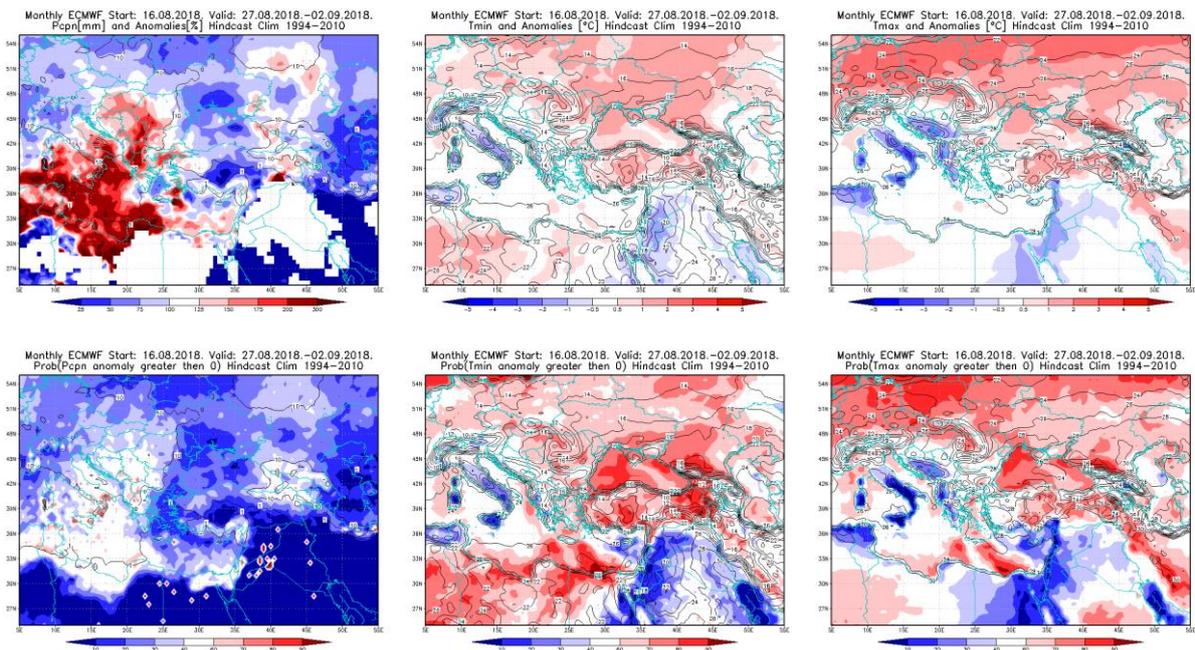
**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



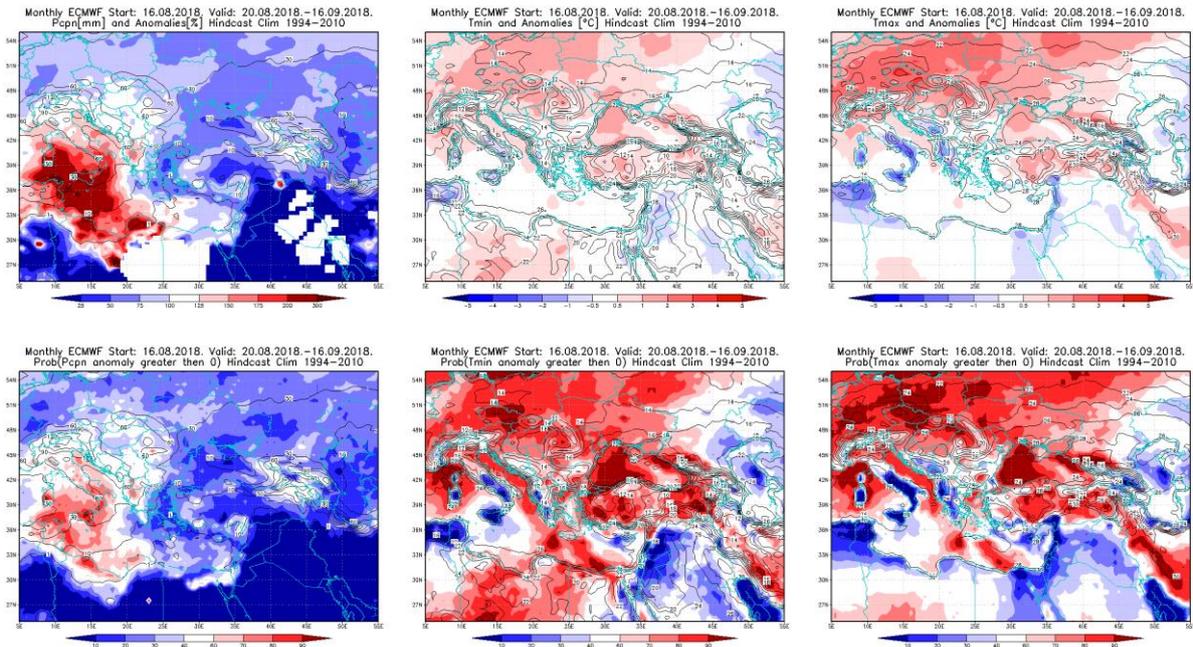
**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



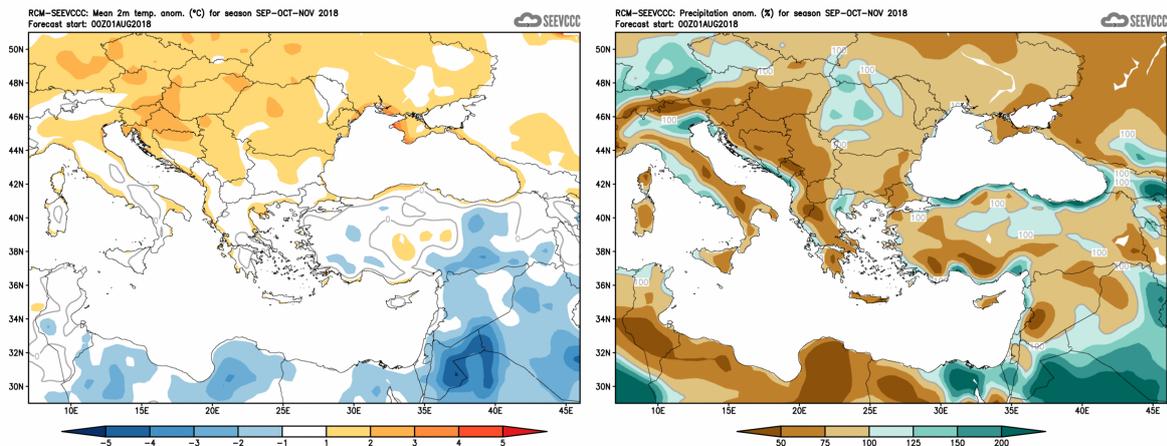
**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 20 – 26.8.2018 period



**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 27.8 – 2.9.2018 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 20.8 – 16.9.2018 period



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

## 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/>)