

## Climate Watch (Serial No.: 20180716 – 00)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

Issued/ Amended / 16-7-2018 12:00 P.M.  
Cancelled

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Valid from – to: 16-7-2018 – 31-10-2018 Next amendment: 23-7-2018

Region of concern: **Balkans, Turkey, south Caucasus**

**„In the period from July 16<sup>th</sup> to 22<sup>nd</sup> 2018, ECMWF monthly forecast predicts above normal mean weekly air temperature in central Turkey and the Aegean Sea area, with anomaly reaching up to +2°C, while in south Caucasus and easternmost Turkey temperature anomaly reached up to +4°C. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is expected in the central and western Balkans, Moldova, northern Romania, Ukraine, southernmost Turkey, western Cyprus and most of south Caucasus. Probability for exceeding upper tercile is up to 90%.“**

### Monitoring

In the period from July 8<sup>th</sup> to 14<sup>th</sup> 2018, above normal air temperature was registered in most of the SEE region, except the Balkans, with anomaly reaching up to +3°C, in south Caucasus, central and eastern Turkey as well as eastern Ukraine anomaly reached up to +5°C. Precipitation sums reached up to 100 mm in the Carpathian region, southwestern Serbia and northwestern Bulgaria. There wasn't any precipitation in Cyprus, Middle East, most of Azerbaijan, most of Turkey and parts of the Adriatic and Ionian coasts.

## Outlook

Within the first week (July 16<sup>th</sup> to 22<sup>nd</sup> 2018), ECMWF monthly forecast predicts above normal mean weekly air temperature in central Turkey and the Aegean Sea area, with anomaly reaching up to +2°C, while in south Caucasus and easternmost Turkey temperature anomaly reached up to +4°C. Probability for exceeding upper tercile is up to 90%. Below normal mean weekly air temperature, with anomaly up to -2°C, is expected in most of the Balkans, southeastern Ukraine, southernmost Turkey and Jordan. Probability for exceeding lower tercile is around 80%. Precipitation surplus is expected in the central and western Balkans, Moldova, northern Romania, Ukraine, southernmost Turkey, western Cyprus and most of south Caucasus. Probability for exceeding upper tercile is up to 90%. Precipitation deficit is predicted for most of Turkey, Greece and southern Romania, with low probability.

During the second week (July 23<sup>rd</sup> to 29<sup>th</sup> 2018), above normal mean weekly air temperature is expected with anomaly in a range from +2°C, in Moldova, most of Romania, Ukraine and Aegean Sea, up to +4°C in most of Turkey and south Caucasus, in Azerbaijan even higher. Probability for exceeding upper tercile in Turkey and south Caucasus is up to 90%. Below normal mean weekly air temperature is predicted for Jordan, with anomaly up to -2°C and around 70% probability for exceeding lower tercile. Precipitation surplus is expected over most of the region, except Ukraine, Moldova, Jordan, Azerbaijan and eastern Turkey, with around 60% probability for exceeding upper tercile. Precipitation deficit is predicted for eastern Turkey and Azerbaijan with low probability for exceeding lower tercile.

In the period from July 16<sup>th</sup> to August 12<sup>th</sup> 2018, above normal mean monthly air temperature is expected in most of the SEE region, except the Balkans and Middle East, with anomaly ranging from +2°C up to +3°C. Probability for exceeding upper tercile is up to 90%. Below normal mean monthly air temperature is predicted for Jordan, with anomaly reaching up to -2°C. Probability for exceeding lower tercile is up to 80%. Precipitation surplus is expected in almost the entire region. Probability for exceeding upper tercile is ranging from 70%, in most of the region, up to 90% in southern Turkey and central Israel.

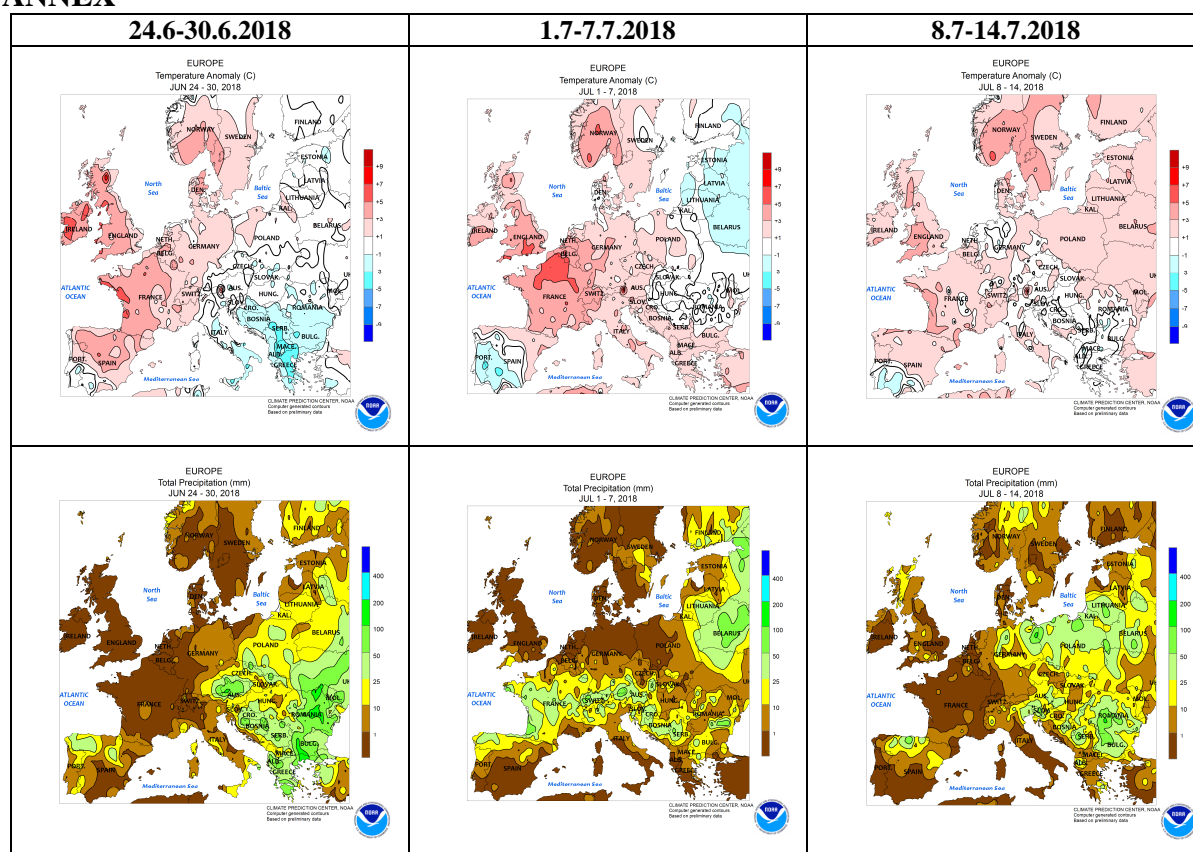
During the following three months (August, September and October) seasonal forecast predicts above normal seasonal air temperature for most of the Balkans, Romania and Ukraine. Below normal seasonal air temperature is expected in parts of western, eastern and southeastern Turkey, Jordan and most of Israel.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

## Update

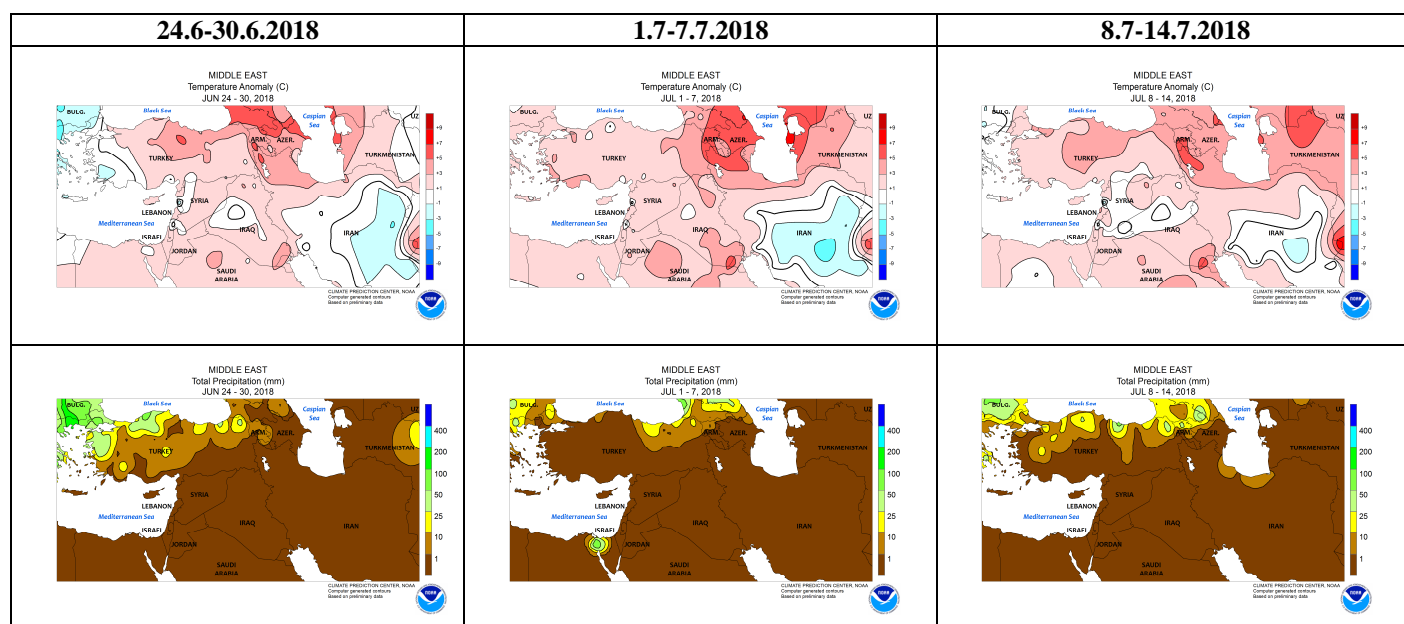
An updated statement will be issued on 23-7-2018

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

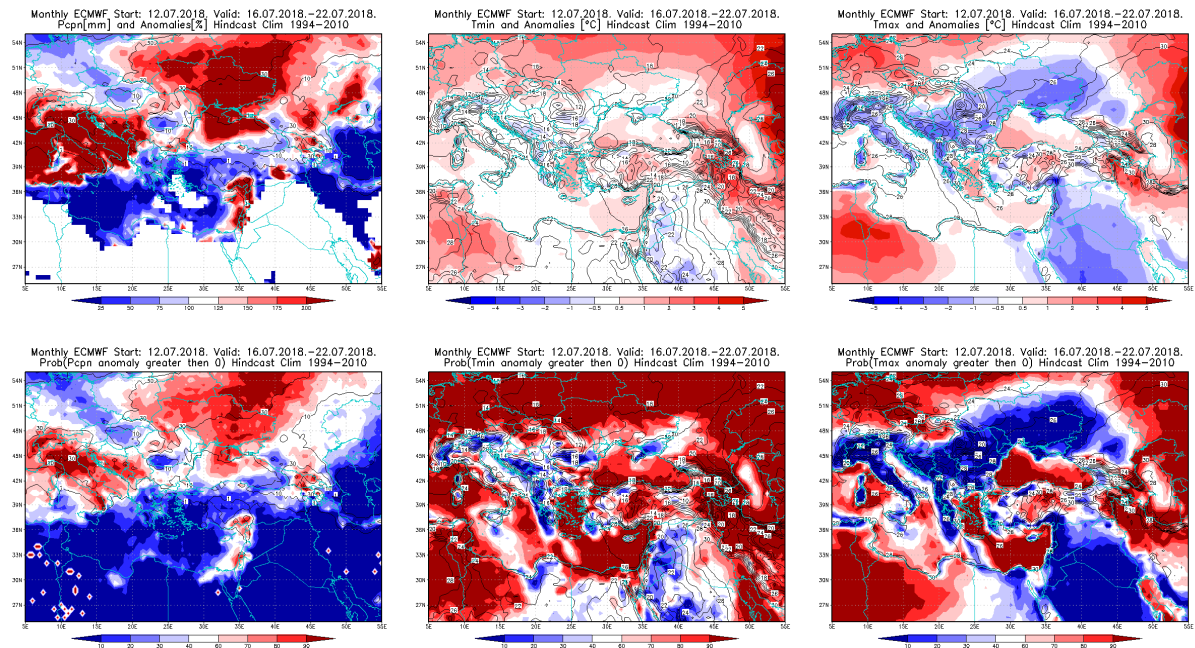
## ANNEX



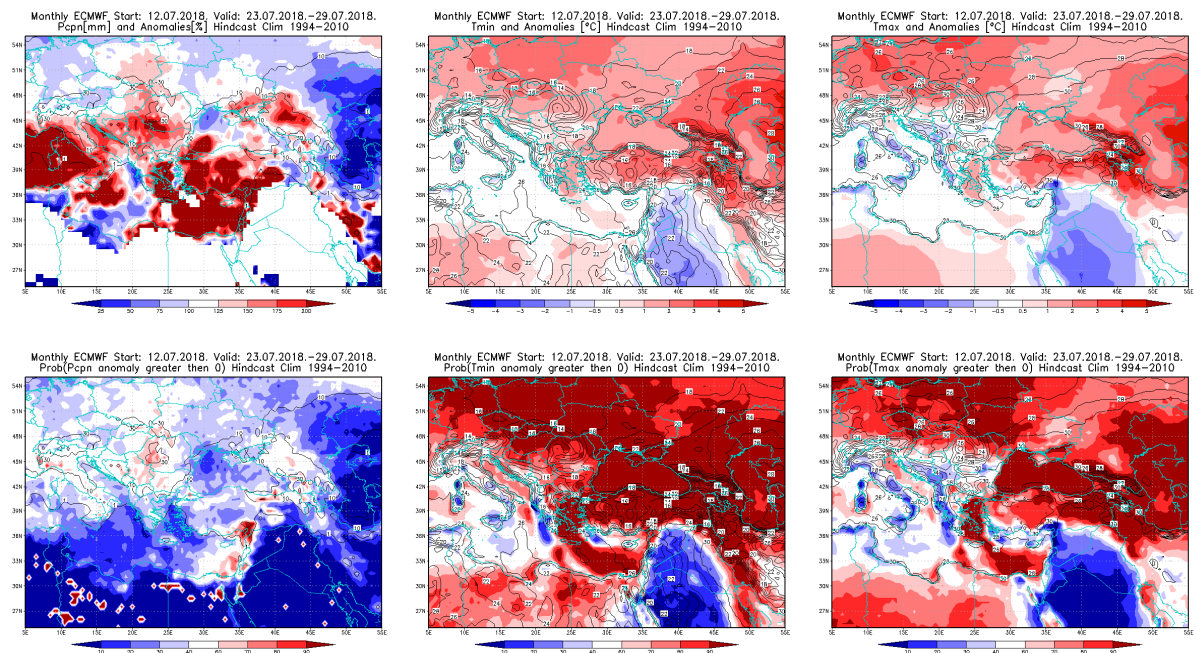
**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



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

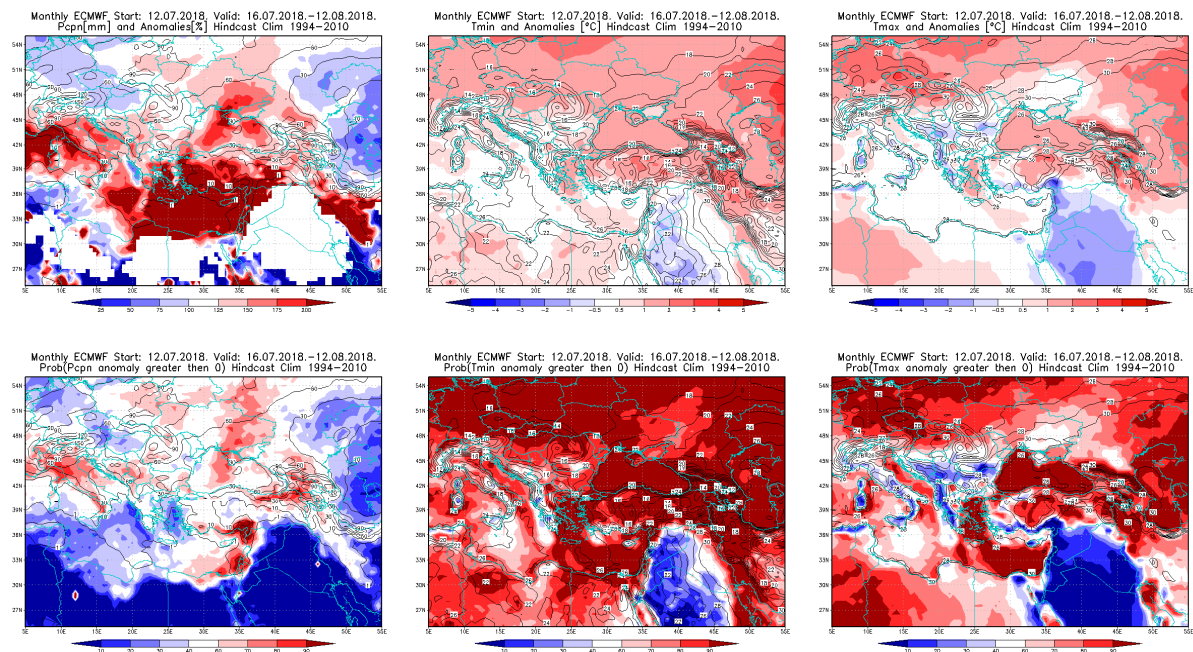


**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 16.7 – 22.7.2018 period

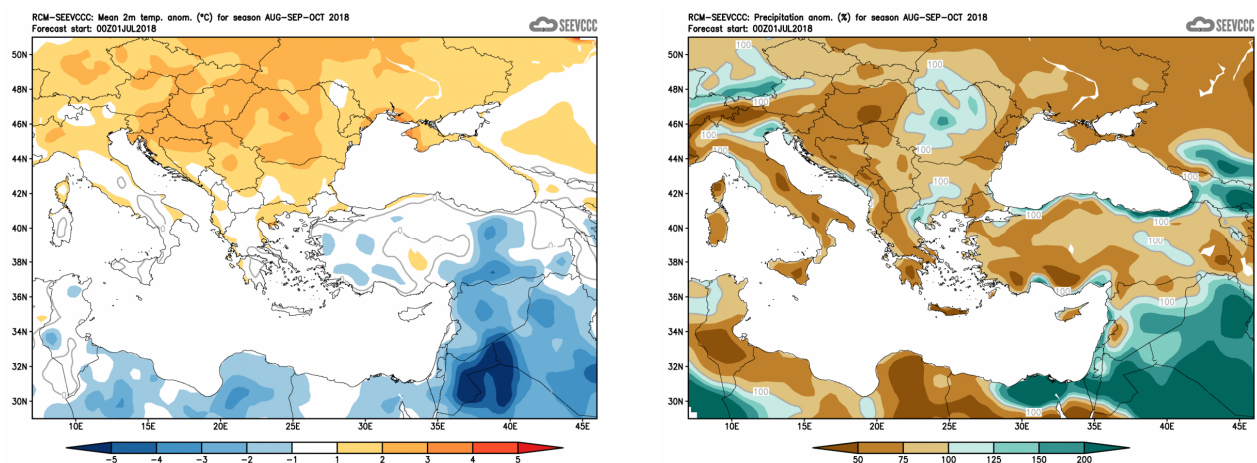


**Figure 4.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 23.7 – 29.7.2018 period





**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 16.7 – 12.8.2018 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/>)