Climate Watch (Serial No.: 20180813 – 00)

Initial/Updated/Final

Topic**: precipitation**
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 13-8-2018 12:00 P.M.

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Valid from – to: 13-8-2018 – 30-11-2018 Next amendment: 20-8-2018

Region of concern: **Balkans, South Caucasus**

„In the period from August 13th to September 9th 2018, ECMWF monthly forecast predicts precipitation surplus across Adriatic Sea, most part of the western Balkans and South Caucasus with around 70% probability for exceeding upper tercile"

Monitoring

In the period from August 5th to 11th 2018, above normal air temperature was registered in the western Balkans, some parts of the southern Balkans, western Romania, Turkey as well as central Moldova with anomaly reaching up to +5°C. Precipitation sums in most of the region were below 25 mm, while in northernmost Turkey and most of South Caucasus precipitation sums reached up to 100 mm.

Outlook

Within the first week (August 13th to 19th 2018), ECMWF monthly forecast predicts above normal mean weekly air temperature in most of the western and eastern Balkans, Moldova and Ukraine with anomaly reaching up to +3°C. Below normal mean weekly air temperature, with anomaly up to -2°C, is expected in central Turkey, South Caucasus and Middle East. Probability for exceeding upper/lower tercile is up to 90%. Precipitation surplus is predicted across Adriatic Sea, most part of the western Balkans and South Caucasus with around 70% probability for exceeding upper tercile. Precipitation deficit is expected in the southern and eastern Balkans and Turkey with low probability for exceeding lower tercile.

During the second week (August 20th to 26th 2018), above normal mean weekly air temperature with anomaly up to +2°C is expected, in the northern Balkans with low probability. In rest of the region, weekly air temperature is expected to be average. Precipitation surplus is expected in some parts of the southern Balkans, south Adriatic and in southernmost Turkey with around 80% probability for exceeding upper tercile.

In the period from August 13th to September 9th 2018, average mean monthly air temperature is expected for most of the Balkans. Above normal mean monthly air temperature is expected in northern Serbia and northern and eastern Romania, with anomaly reaching up to +2°C, with low probability for exceeding upper tercile. Precipitation surplus is expected in the northern Adriatic, Albania, and some parts of the western Balkans. Probability for exceeding upper tercile is around 70%. Precipitation deficit is expected in most of Turkey and across Aegean Sea with around 70% probability for exceeding lower tercile.

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 20-8-2018

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

ANNEX

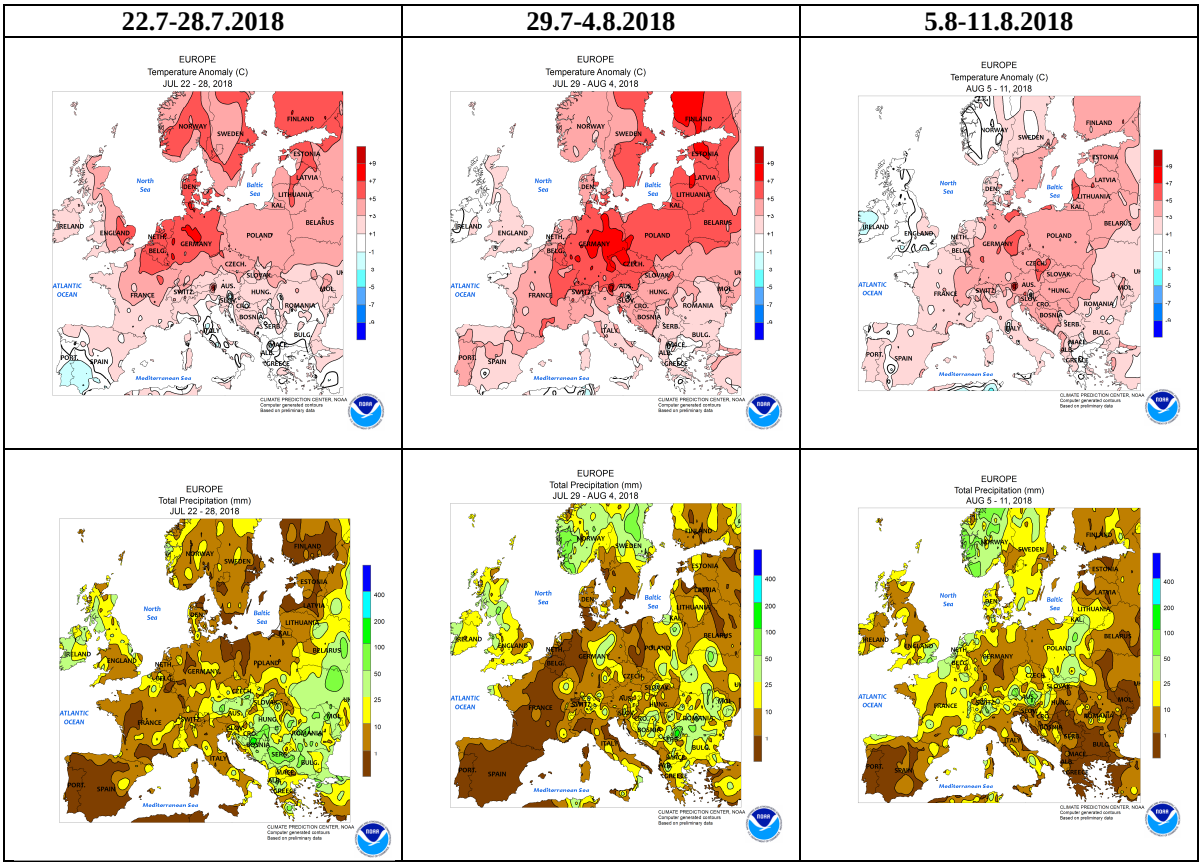

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

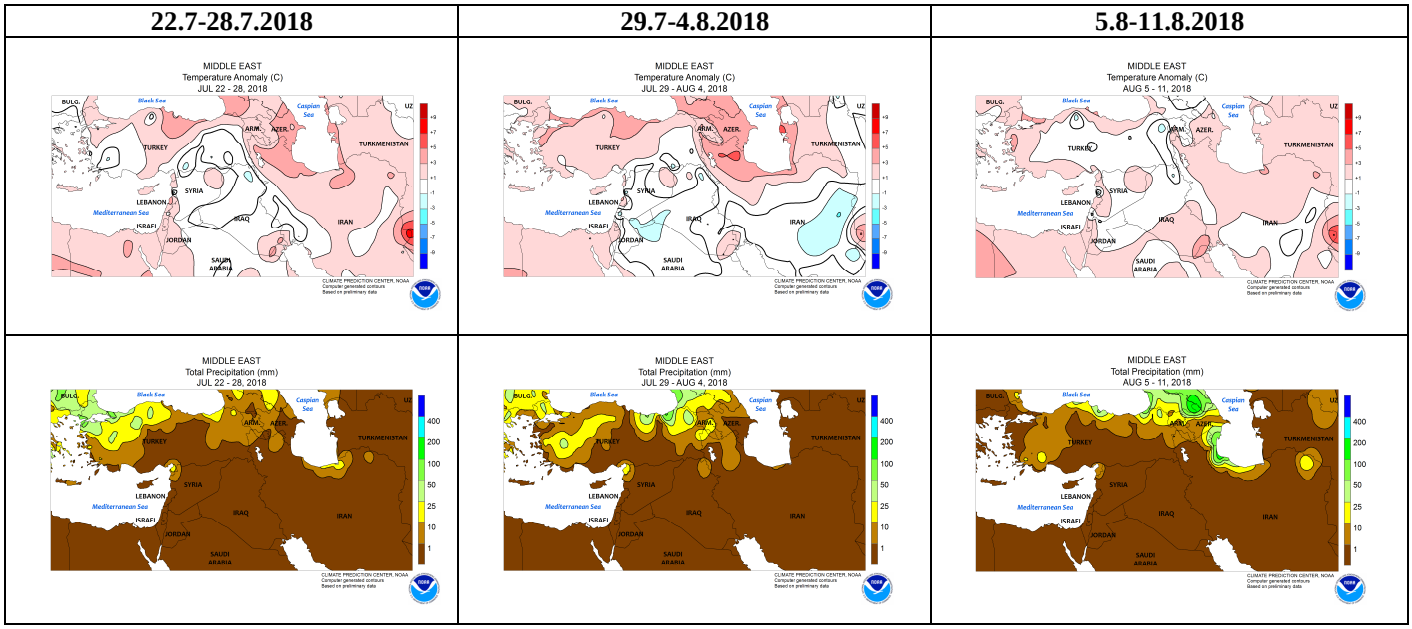

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

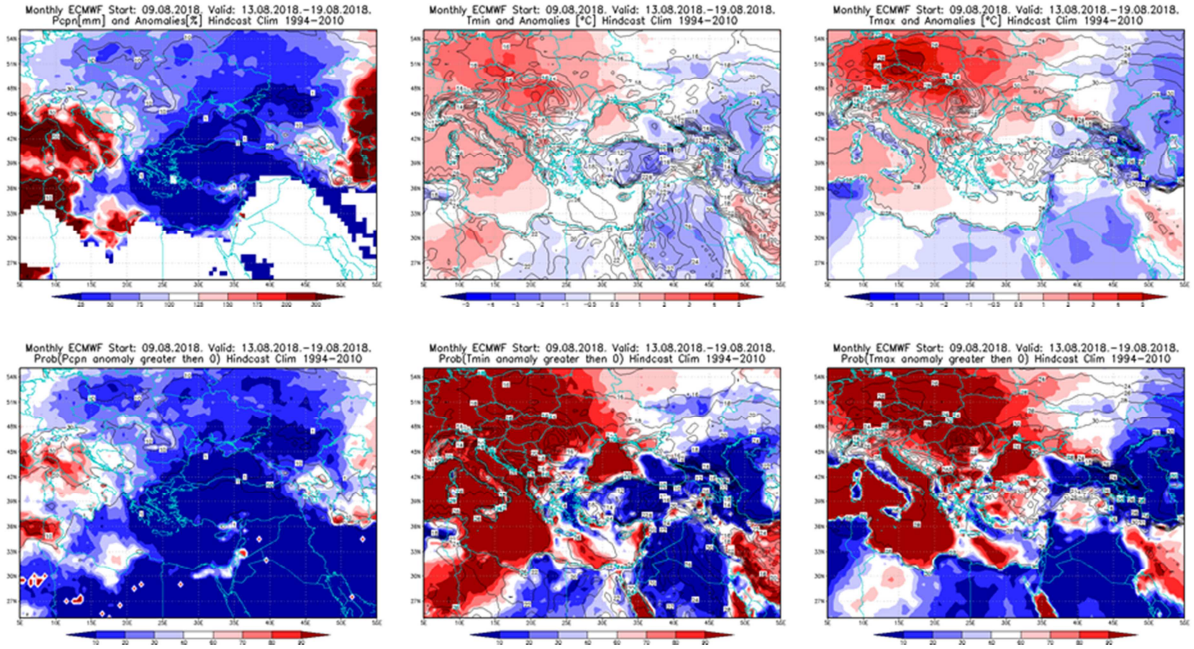

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 13 – 19.8.2018 period

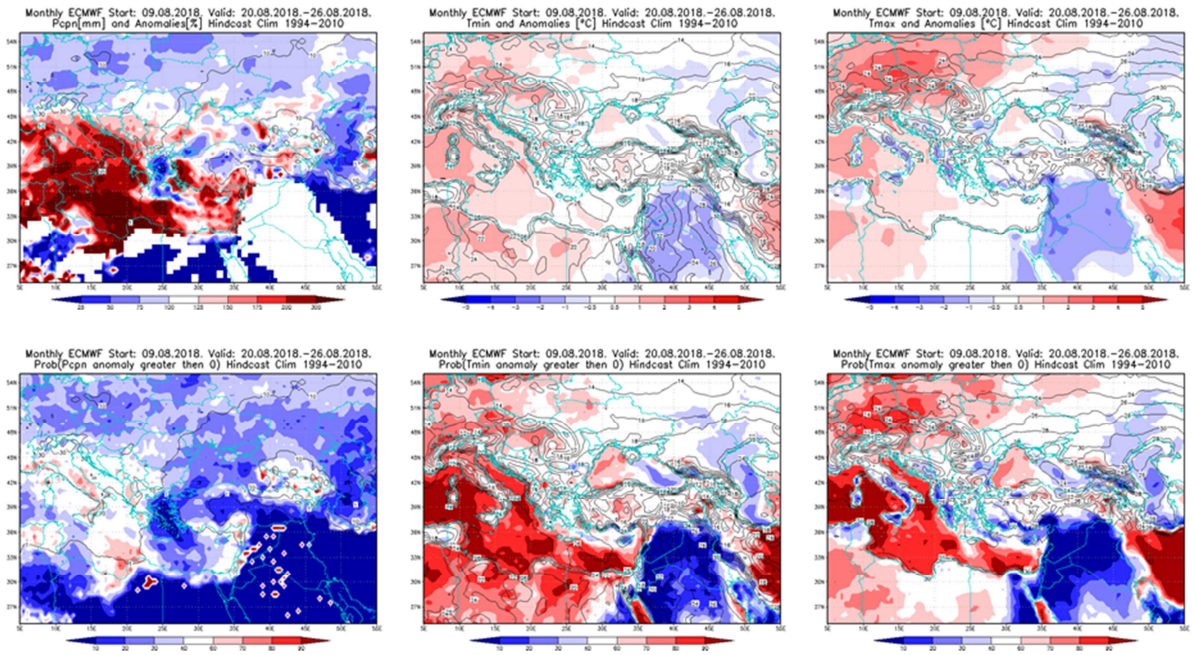

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 20 – 26.8.2018 period

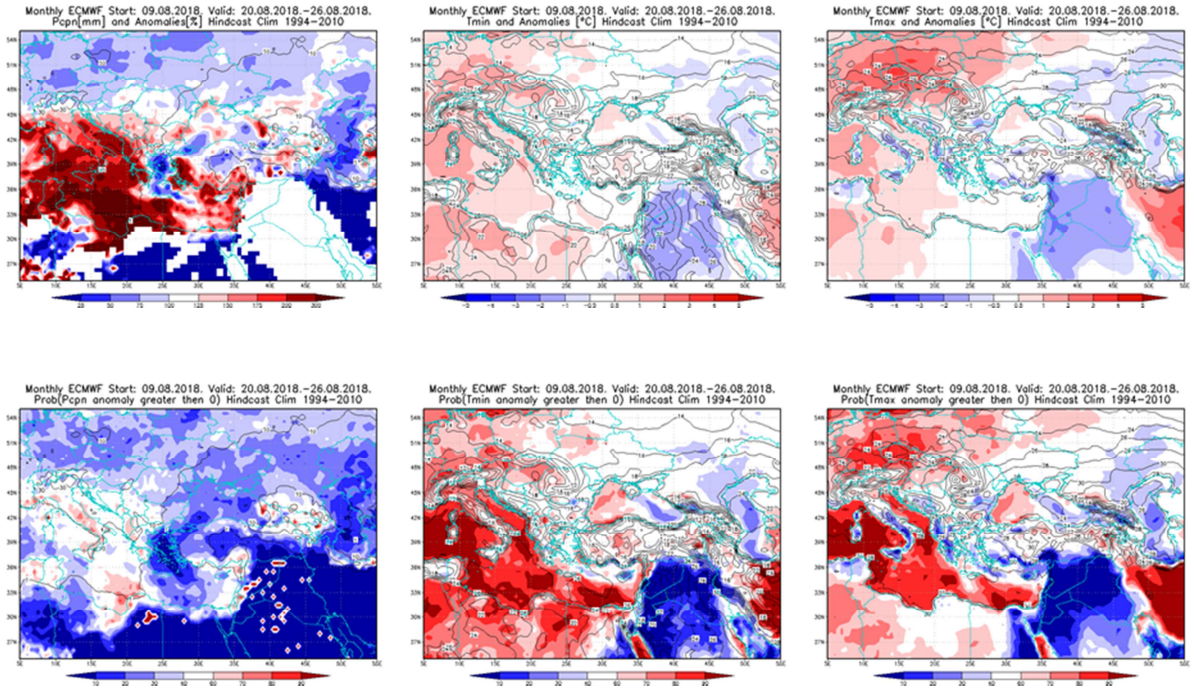

Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 13.8 – 9.9.2018 period

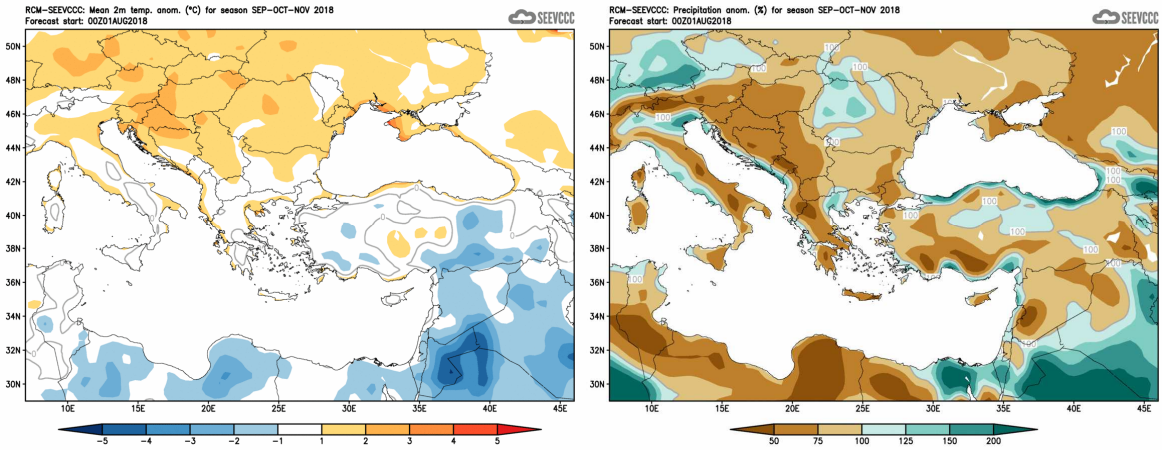

Figure 6. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook from RCM – SEEVCCC)

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/)