Climate Watch (Serial No.: 20180806 – 00)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 6-8-2018 12:00 P.M.

Contact: E-mail: cws-seevccc@hidmet.gov.rs
Phone: +381112066925
Fax: +381112066929

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Region of concern: **Balkans, Turkey, eastern Mediterranean**

„In the period from August 6th to September 2nd 2018, ECMWF monthly forecast predicts precipitation surplus in the southern Balkans, southern Turkey and eastern Mediterranean. Probability for exceeding upper tercile is around 70%."

Monitoring

In the period from July 29th to August 4th 2018, above normal air temperature was registered in most of the region, with anomaly reaching up to +5°C. Precipitation sums in most of the region were below 25 mm, while in the central Balkans precipitation sums reached up to 100 mm. In eastern Serbia precipitation totals exceeded 100 mm.

Outlook

Within the first week (August 6th to 12th 2018), ECMWF monthly forecast predicts above normal mean weekly air temperature in the northern Balkans and part of southwestern and southeastern Turkey with anomaly reaching up to +2°C. Below normal mean weekly air temperature, with anomaly up to -2°C, is expected in the southern and western Greece, eastern Romania and Bulgaria and part of southern Turkey. Probability for exceeding upper/lower tercile is around 80%. Precipitation surplus is predicted in southwestern Turkey and South Caucasus with around 70% probability for exceeding upper tercile. Precipitation deficit is expected in the southern and eastern Balkans with low probability for exceeding lower tercile.

During the second week (August 13th to 19th 2018), above normal mean weekly air temperature with anomaly up to +2°C is expected,in the northern Balkans with low probability and in most part of Turkey with around 80% probability for exceeding upper tercile. In rest of the region, weekly air temperature is expected to be average. Precipitation surplus is expected in the southern and western Balkans and in southern and eastern Turkey with around 70% probability for exceeding upper tercile.

In the period from August 6th to September 2nd 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 central Turkey, with anomaly reaching up to +2°C. Probability for exceeding upper tercile is up to 70%. Precipitation surplus is expected in the southern Balkans, southern Turkey and eastern Mediterranean. Probability for exceeding upper tercile is around 70%.

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 13-8-2018

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

ANNEX

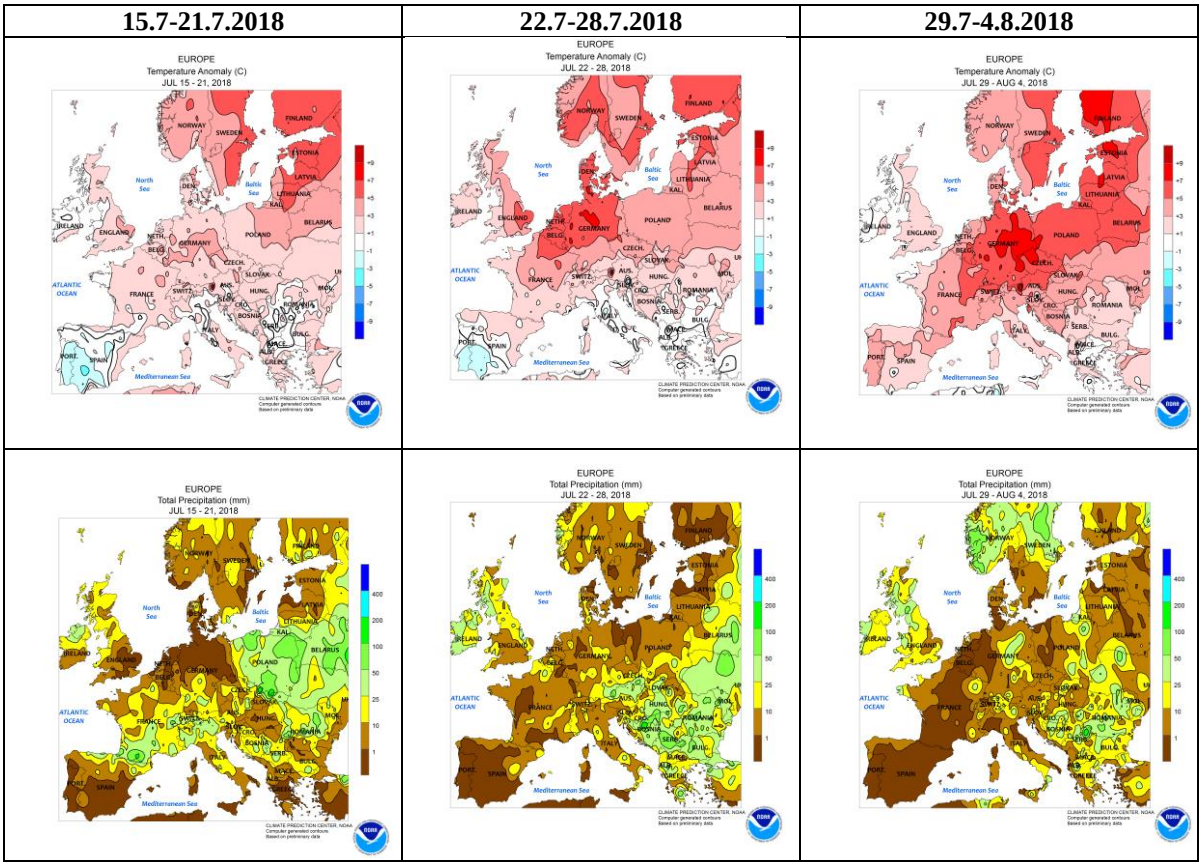

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

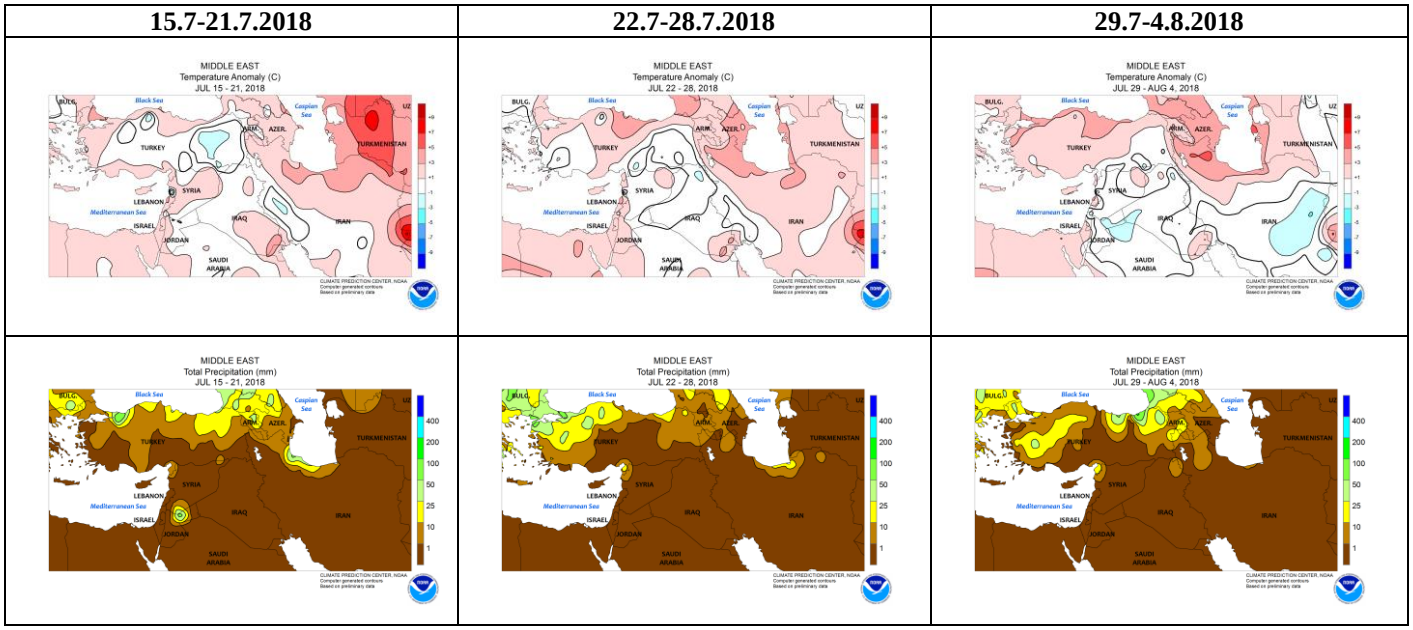

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

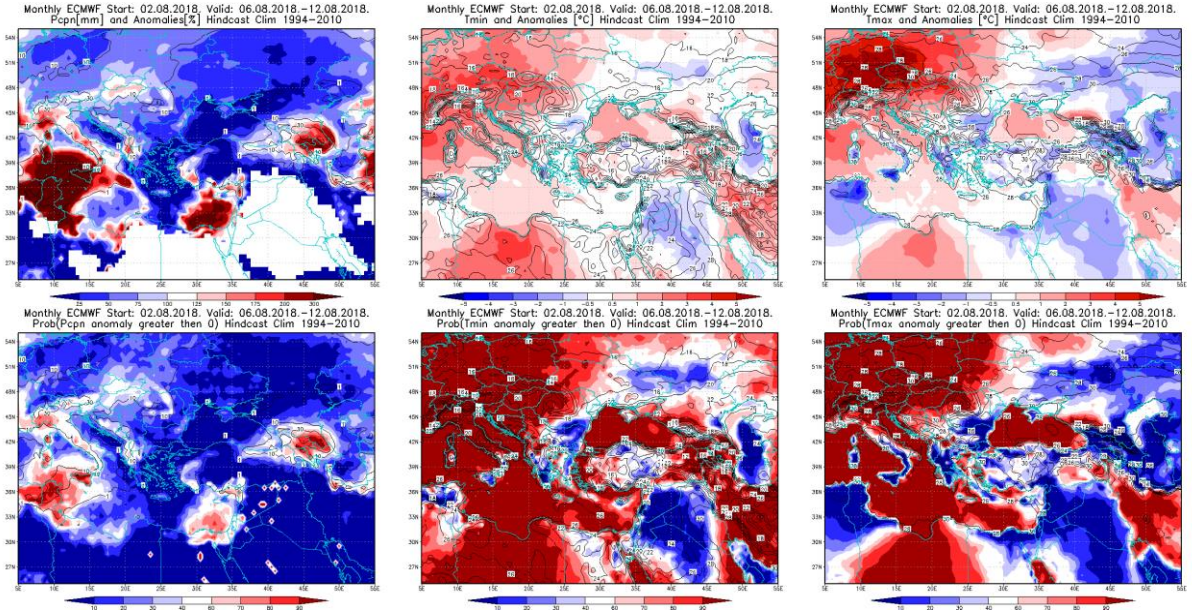

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 6 – 12.8.2018 period

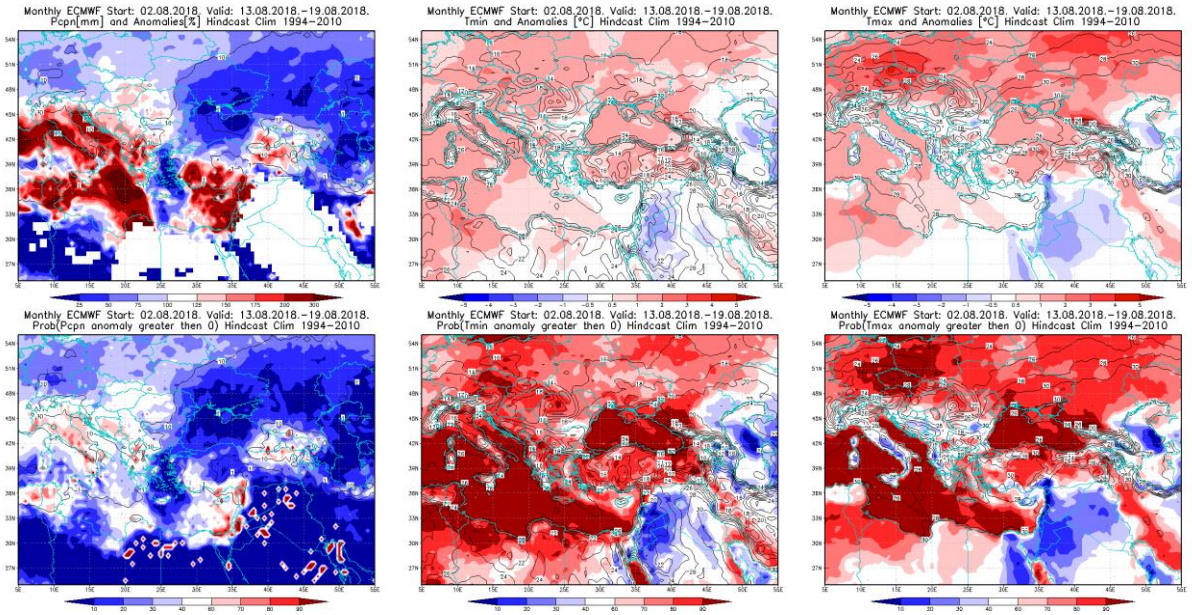

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 13 – 19.8.2018 period

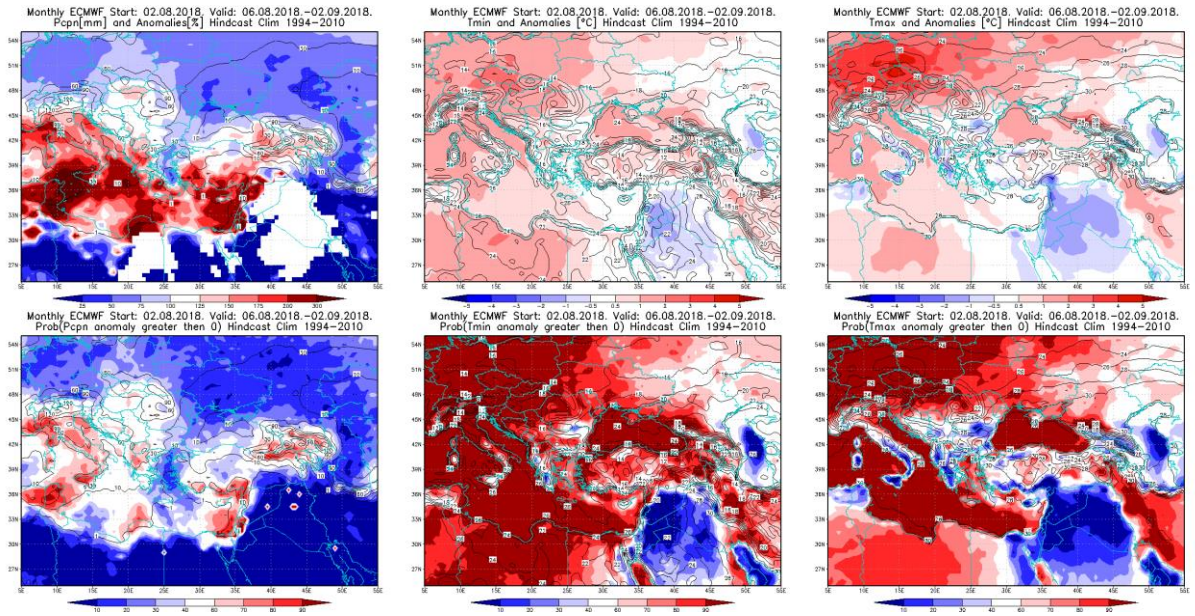

Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 6.8 – 2.9.2018 period

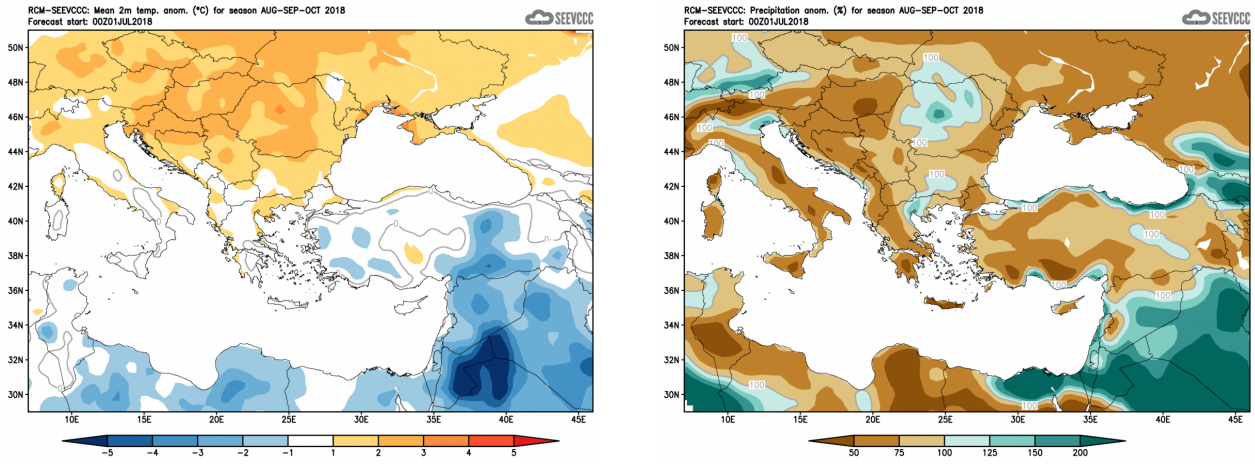

Figure 6. Mean seasonal temperature and precipitation anomaly for the season ASO (seasonal outlook from RCM – SEEVCCC)

Sources

- Republic Hydrometeorological Service of Serbia (www.hidmet.gov.rs)
- 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/)