

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

Organization issuing the statement: SEEVCCC

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

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

„In the period from July 23rd to August 19th 2018, ECMWF monthly forecast predicts precipitation surplus in almost the entire SEE region. Probability for exceeding upper tercile is up to 90%.“

Monitoring

In the period from July 15th to 21st 2018, average air temperature was registered in the central Balkans and most part of Turkey. Above normal air temperature was registered in west, south and east part of the Balkans, coastal part of Turkey and South Caucasus with anomaly reaching up to +3°C. Below normal air temperature with anomaly up to -3°C was registered in part of eastern Turkey. Precipitation sums reached up to 50 mm in Serbia, Bosnia and Herzegovina, Bulgaria and South Caucasus, while in Romania and part of northwestern Turkey sums reached up to 100 mm.

Outlook

Within the first week (July 23rd to 29th 2018), ECMWF monthly forecast predicts below normal mean weekly air temperature in the Balkans and southern Turkey, with anomaly reaching up to -3°C. Probability for exceeding lower tercile is up to 90%. Above normal mean weekly air temperature, with anomaly up to +3°C, is expected in most of Turkey, South Caucasus and Aegean Sea. Probability for exceeding upper tercile is around 90%. Precipitation surplus is expected in the Balkans, Moldova, western Turkey, Aegean and Ionian Sea. Probability for exceeding upper tercile is around 90%.

During the second week (July 30th to August 5th 2018), below normal mean weekly air temperature is expected with anomaly up to -3°C, in southern Balkans, southern Turkey and Jordan. Probability for exceeding lower tercile is up to 80%. Above normal mean weekly air temperature is predicted for most of Turkey, South Caucasus and Aegean Sea with anomaly up to +3°C and around 80% probability for exceeding upper tercile. Precipitation surplus is expected over most of the region with around 80% probability for exceeding upper tercile.

In the period from July 23rd to August 19th 2018, below normal mean monthly air temperature is expected in most of the Balkans, southern Turkey and Jordan, with anomaly up to -2°C. Probability for exceeding lower tercile is up to 90%. Above normal mean weekly air temperature is predicted for most of Turkey, South Caucasus and Aegean Sea with anomaly up to +3°C and around 90% probability for exceeding upper tercile. Precipitation surplus is expected in almost the entire SEE region. Probability for exceeding upper tercile is up to 90%.

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 30-7-2018

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

ANNEX

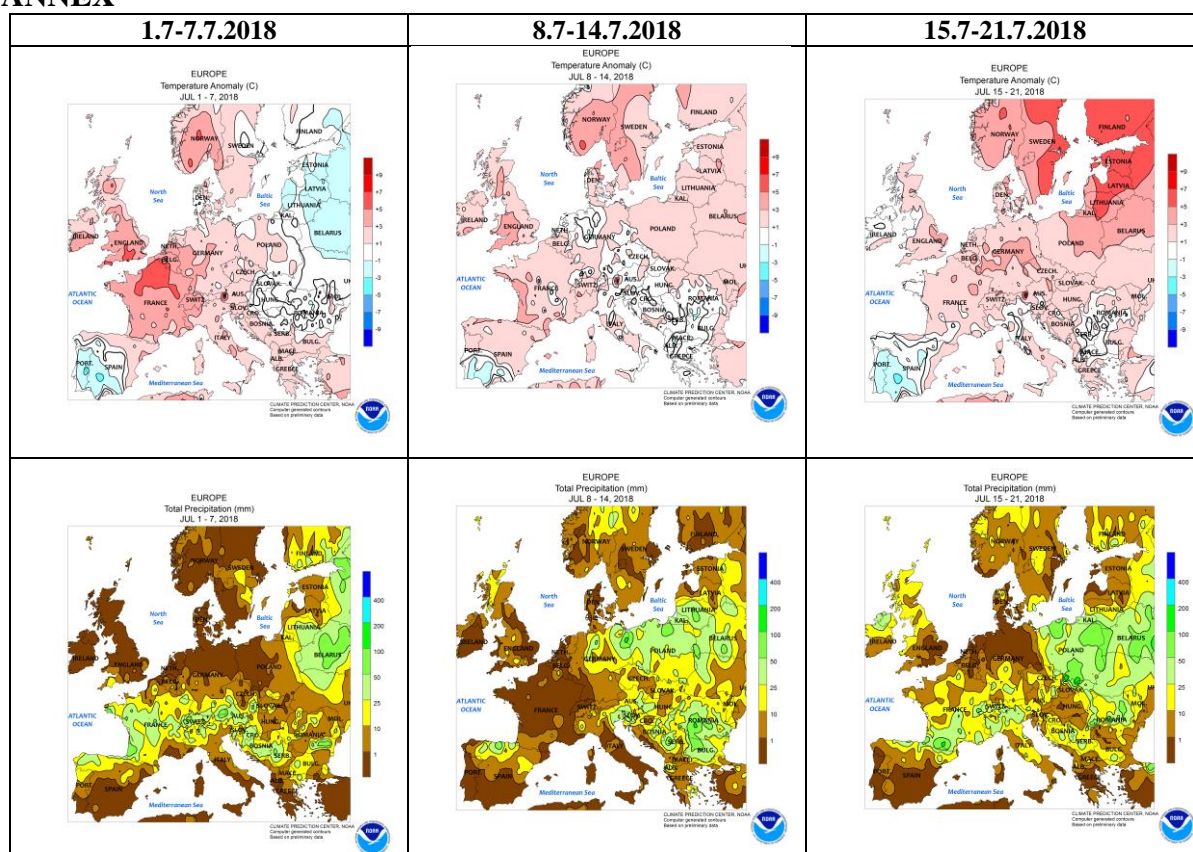


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

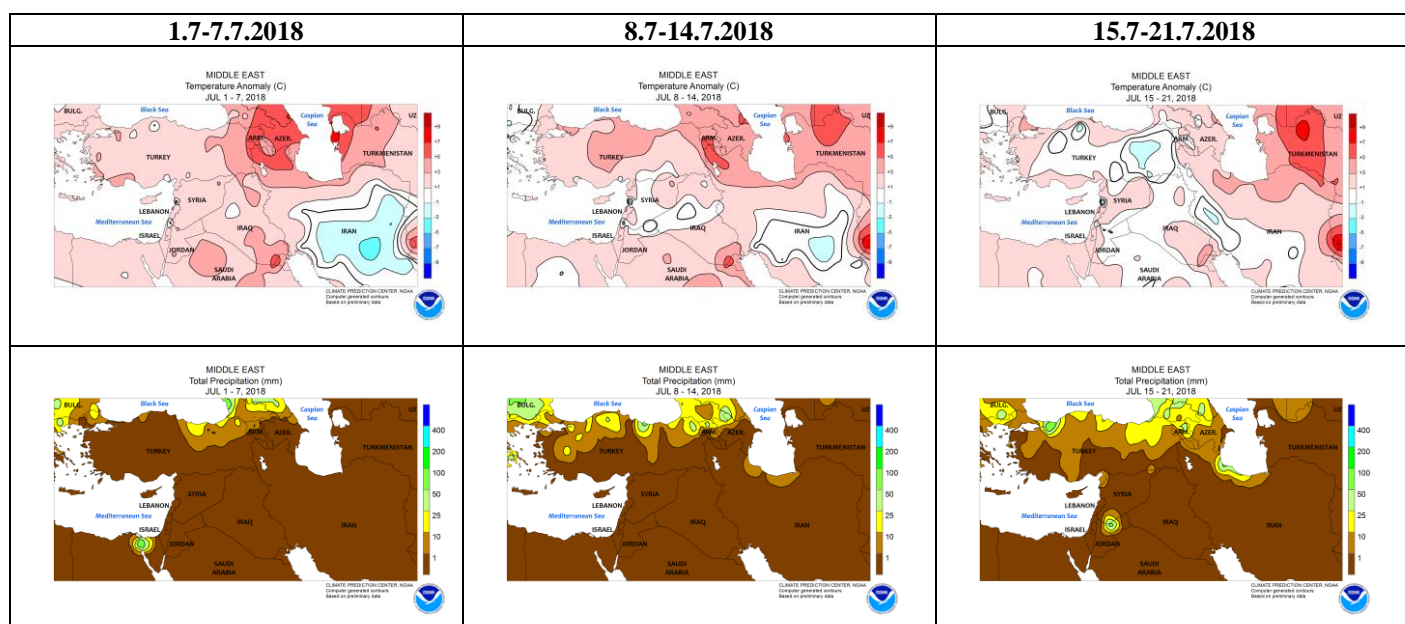


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

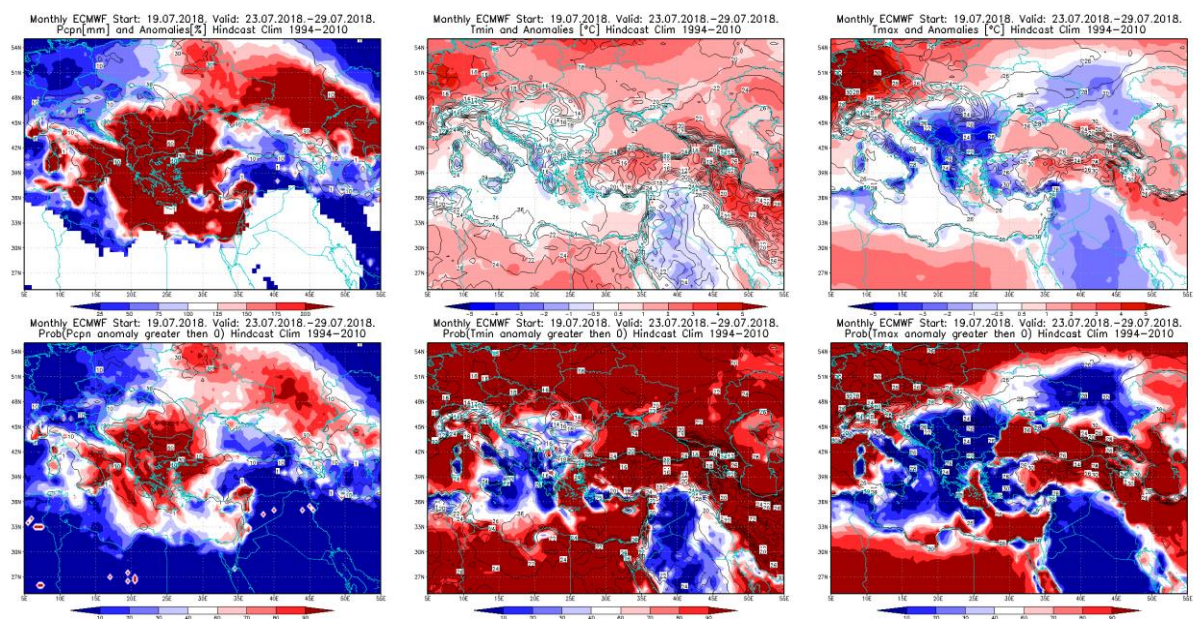


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 23.7 – 29.7.2018 period

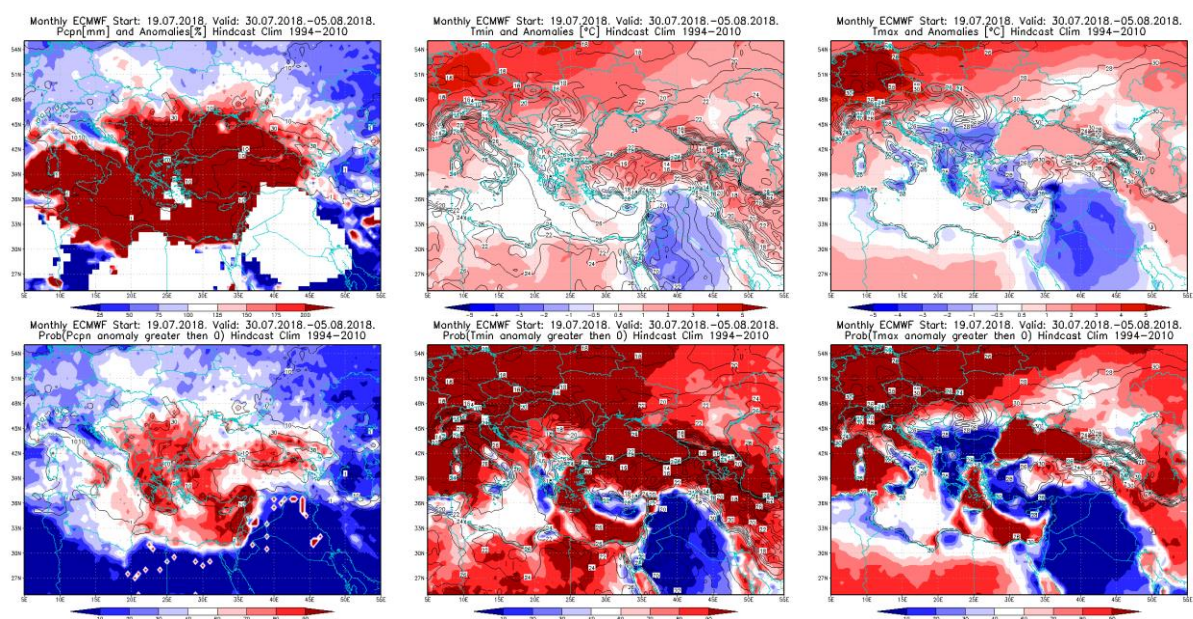


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 30.7 – 5.8.2018 period

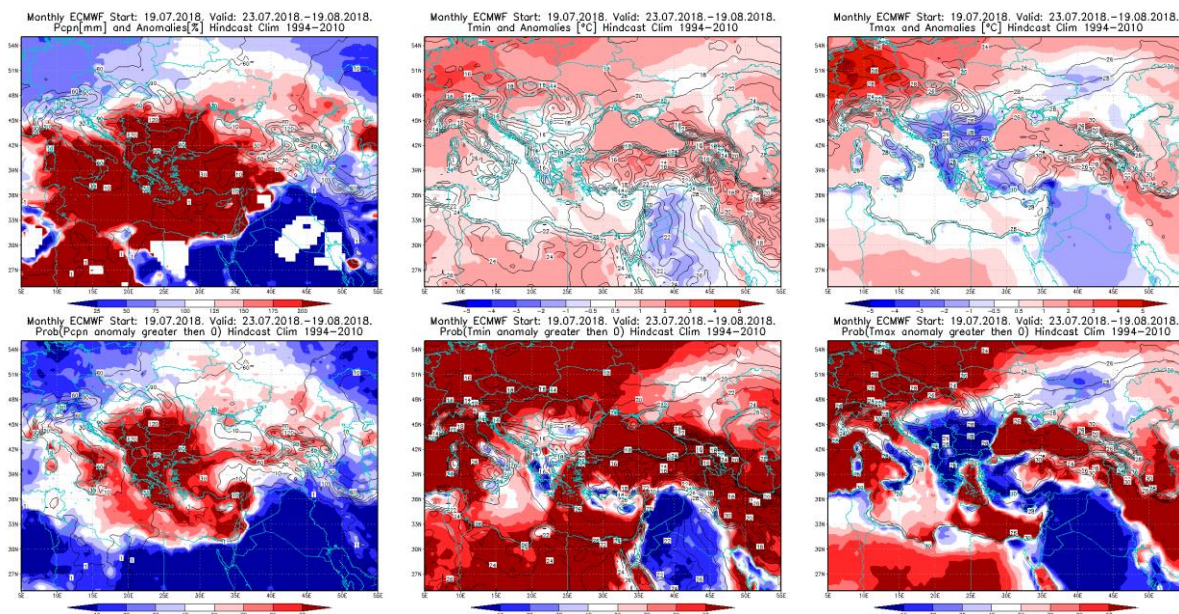


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 23.7 – 19.8.2018 period

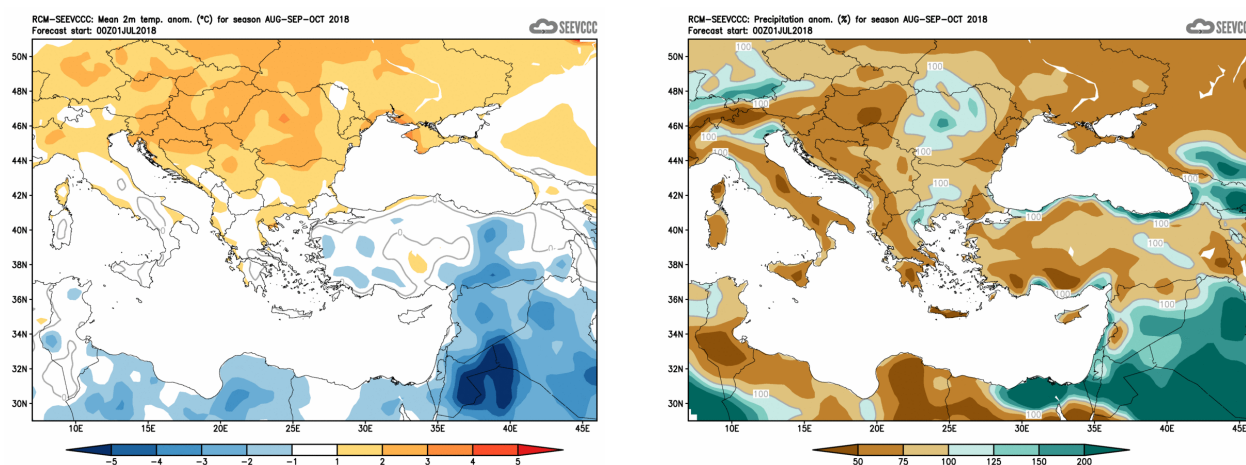


Figure 6. Mean seasonal temperature and precipitation anomaly for the season ASO (seasonal outlook from RCM – SEEVCCC)

Sources

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