

Climate Watch (Serial No.: 20170724– 00)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 24-7-2017 12:00 P.M.

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Valid from – to: 24-7-2017– 31-10-2017 Next amendment: 31-7-2017

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

„In the period from July 24th to 30th 2017, above normal mean weekly air temperature, with anomaly up to +3°C, is expected in the central and eastern Balkans, most of Turkey and south Caucasus. Below normal mean weekly air temperature is expected in Greece, with anomaly up to -2°C. Probability for exceeding upper/lower tercile is up to 90%. Precipitation surplus is expected in the southern and eastern Balkans and most of Turkey with around 70% probability for exceeding upper tercile.”

Monitoring

In the period from July 16th to 22nd, 2017, above normal air temperature, with anomaly up to +5°C, was observed in the central Balkans and Turkey. Below normal air temperature, with anomaly up to -5°C, was recorded in the southern Balkans. Weekly precipitation sums were below 25 mm in most of the region. Greece and Bulgaria received up to 100 mm of precipitation.

Outlook

Within the first week (July 24th to 30th 2017), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +3°C, in the central and eastern Balkans, most of Turkey and south Caucasus. Below normal mean weekly air temperature is expected in Greece, with anomaly up to -2°C. Probability for exceeding upper/lower tercile is up to 90%. Precipitation surplus is expected in the southern and eastern Balkans and most of Turkey with around 70% probability for exceeding upper tercile.

During the second week (July 31st to August 6th 2017), above normal mean weekly air temperature is forecasted for most of the region, with anomaly up to +3°C and around 80% probability for exceeding upper tercile. Precipitation surplus is expected in the Aegean Sea and southern Turkey, with 60% probability for exceeding upper tercile. Precipitation deficit is predicted for most of the region with around 70% probability for exceeding lower tercile.

In the period from July 24th to August 20th 2017, above normal mean monthly air temperature, with anomaly up to +3°C, is forecasted for most of the region, with up to 80% probability for exceeding upper tercile. Precipitation surplus is forecasted for the Aegean Sea and western Turkey, with around 60% probability for exceeding upper tercile. Precipitation deficit is predicted for the central Balkans and Turkey, with up to 70% probability for exceeding lower tercile.

During the following three months (August, September and October) seasonal forecast predicts above normal seasonal air temperature in most of the western and eastern Balkans and western Ukraine. Below normal seasonal air temperature is expected in most of Turkey, south Caucasus, Cyprus and Middle East. Precipitation surplus is predicted for the Carpathians, South Caucasus, northeastern Turkey and Middle East, while precipitation deficit is expected over the Pannonia plain, along Aegean Sea coast, most of western and southern Balkans, Ukraine, Cyprus, as well as, southern and southeastern Turkey.

Update

An updated statement will be issued on 31-7-2017

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

ANNEX

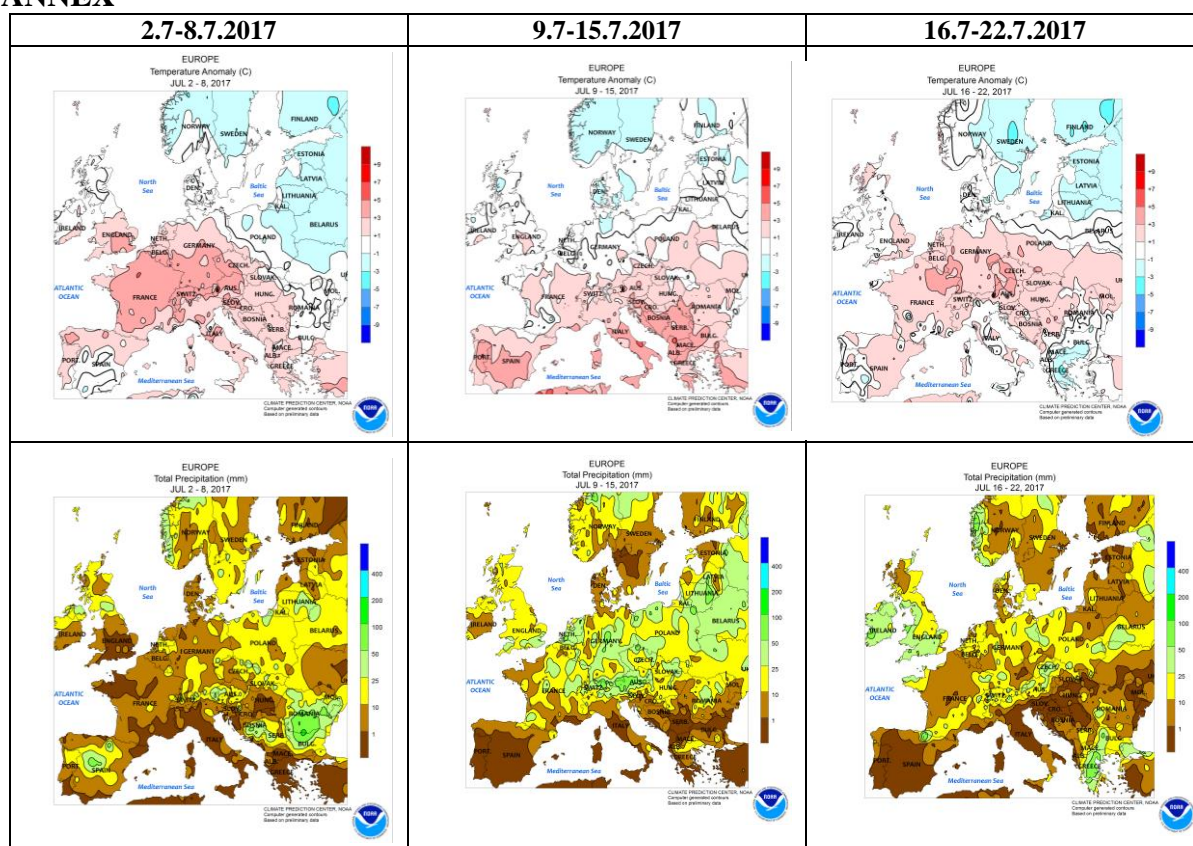


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

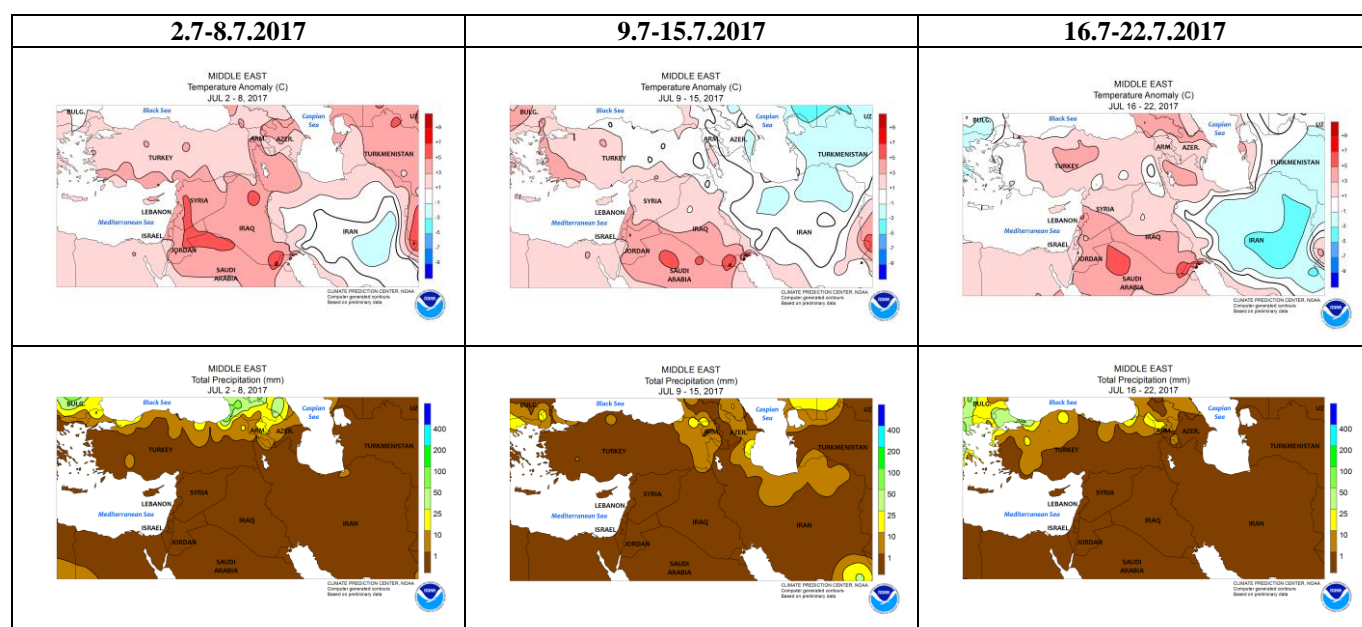


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

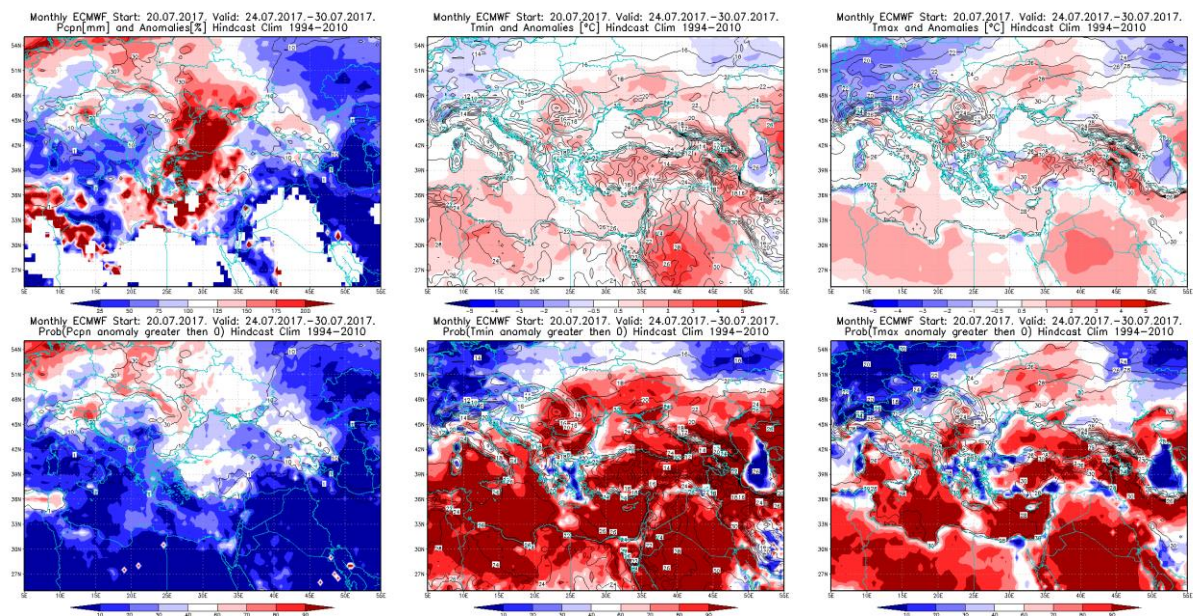


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 24.7 – 30.7.2017 period

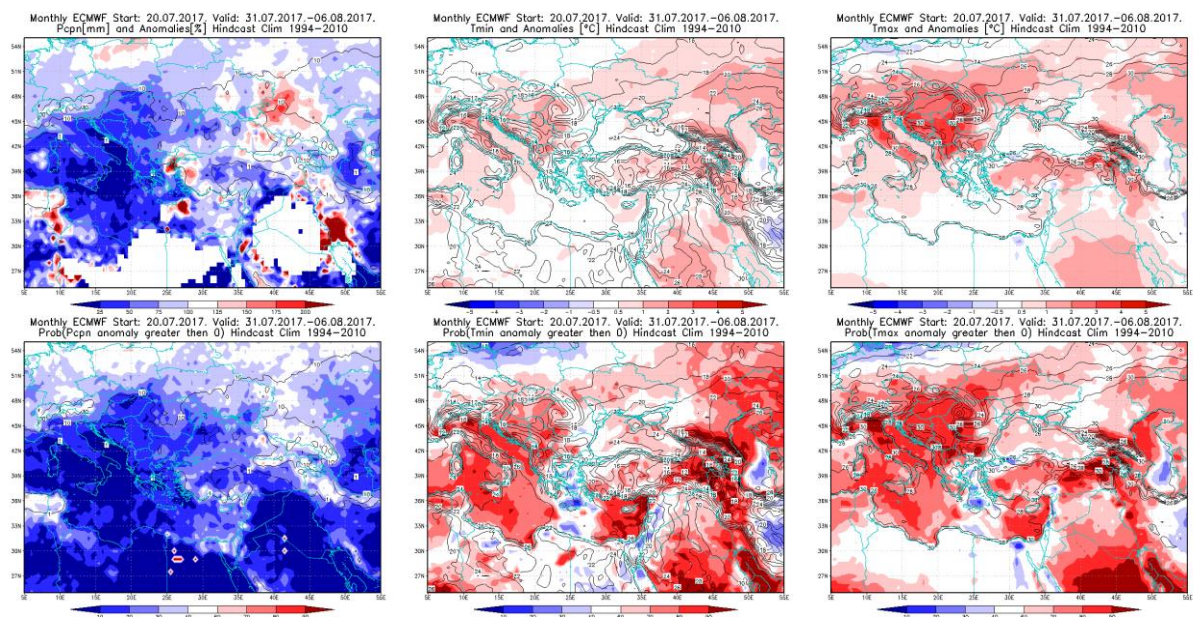


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 31.7 – 6.8.2017 period

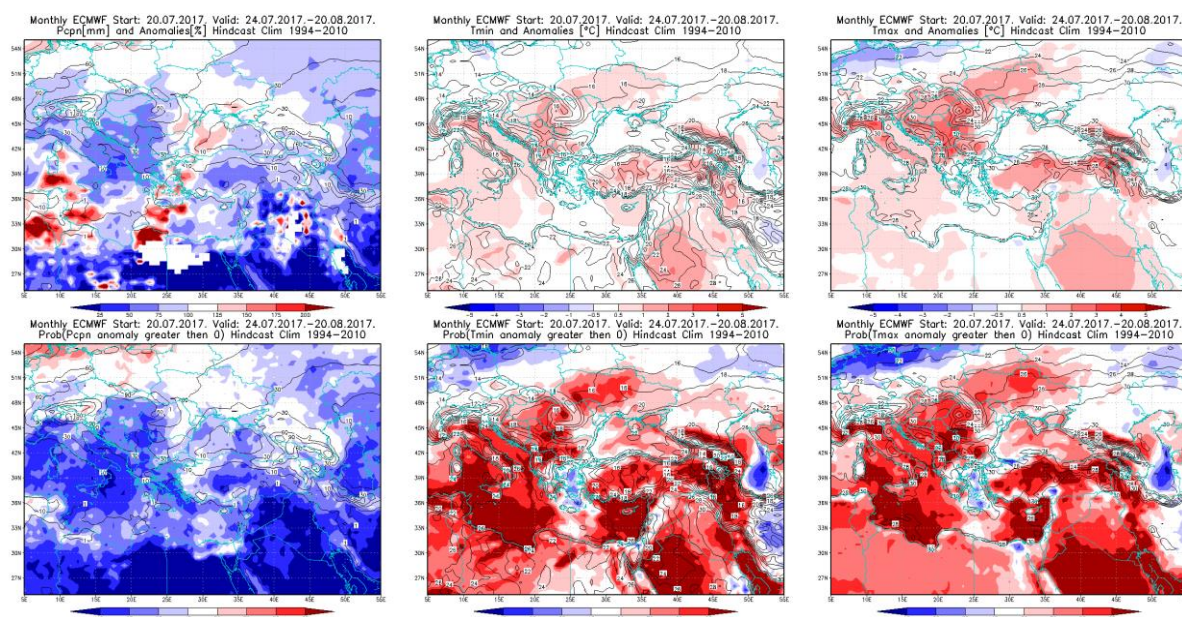


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 24.7 – 20.8.2017 period

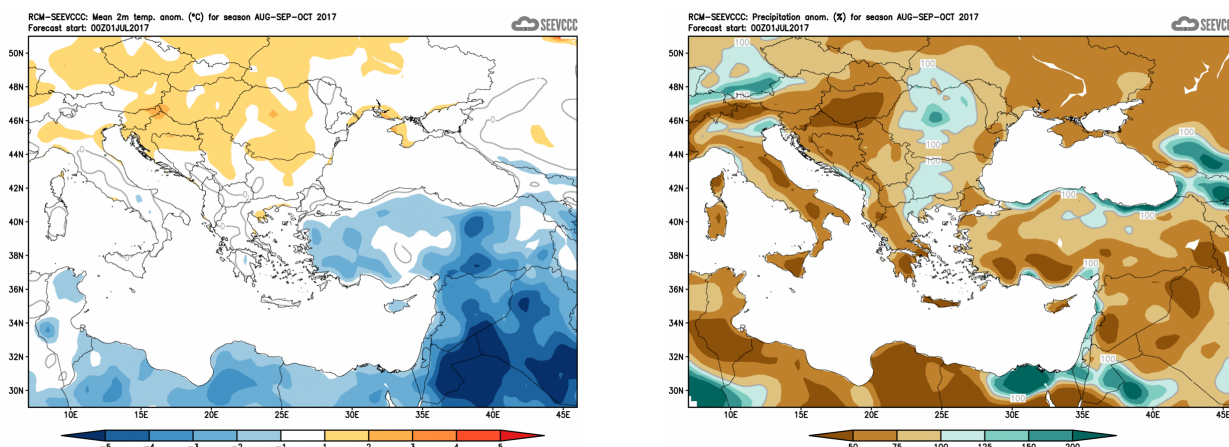


Figure 6. Mean seasonal temperature and precipitation anomaly for the season ASO (seasonal outlook from RCM – SEEVCCC)

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/>)