Climate Watch (Serial No.: 20170731– 00)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 31-7-2017 12:00 P.M.

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Valid from – to: 31-7-2017– 31-10-2017 Next amendment: 7-8-2017

Region of concern: **SEE region**

„In the period from July 31st to August 6th 2017, above normal mean weekly air temperature, with anomaly up to +4°C, is expected in most of the region, while anomaly up to +5°C is expected in the central and northern Balkans. Probability for exceeding upper tercile is around 90%. Precipitation surplus is expected in western Turkey and southern Aegean Sea with low probability. Precipitation deficit is predicted for rest of the region with up to 90% probability for exceeding lower tercile."

Monitoring

In the period from July 23rd to 29th, 2017, above normal air temperature, with anomaly up to +3°C, was observed in most of the SEE region, while in eastern Ukraine and some parts of the south Caucasus air temperature anomaly reached up to +5°C. Weekly precipitation sums were around 50 mm in most of the Balkans and Ukraine, while some parts of the eastern and western Balkans received up to 100 mm of precipitation. In rest of the region weekly precipitation sums were below 25 mm.

Outlook

Within the first week (July 31st to August 6th 2017), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +4°C in most of the region, while anomaly up to +5°C is expected in the central and northern Balkans.. Probability for exceeding upper tercile is around 90%. Precipitation surplus is expected in western Turkey and southern Aegean Sea with low probability. Precipitation deficit is predicted for rest of the region with up to 90% probability for exceeding lower tercile.

During the second week (August 7th to 13th 2017), above normal mean weekly air temperature is forecasted for most of the region, with anomaly up to +3°C and up to 90% probability for exceeding upper tercile. Precipitation surplus is expected in the Aegean Sea and western Turkey, with 60% probability for exceeding upper tercile. Precipitation deficit is predicted for most of the region with low probability.

In the period from July 31st to August 27th 2017, above normal mean monthly air temperature, with anomaly up to +3°C, is forecasted for most of the region, with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for most of the region, with around 60% 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 7-8-2017

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

ANNEX

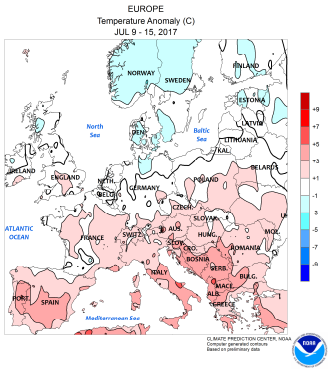
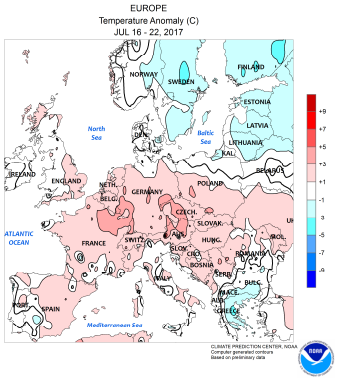
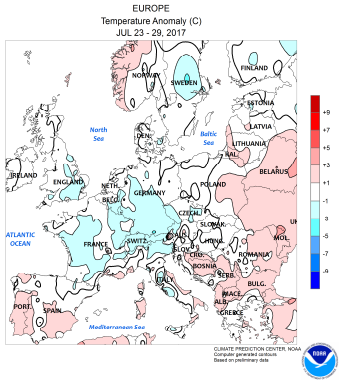
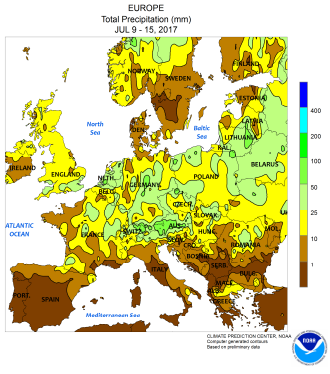
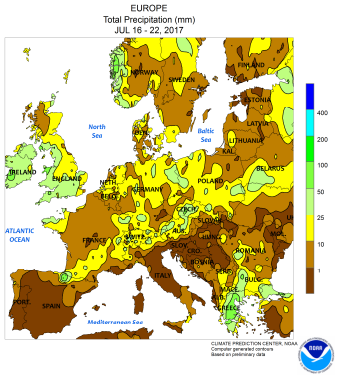
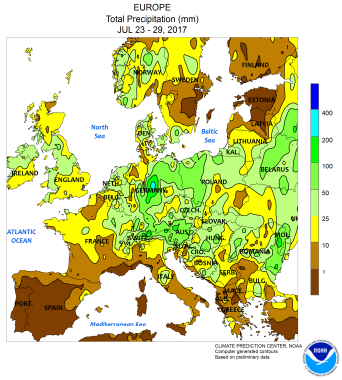
9.7-15.7.2017	16.7-22.7.2017	23.7-29.7.2017
		
		

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

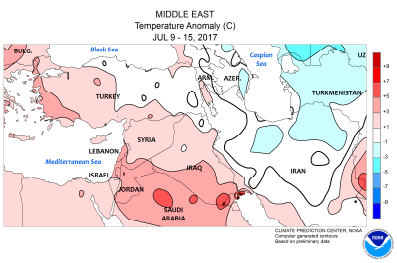
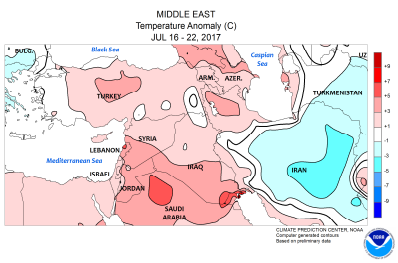
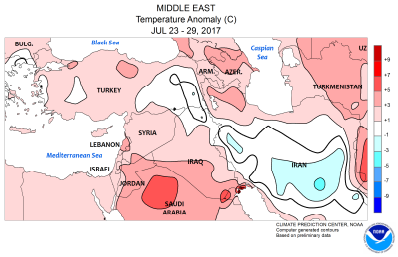
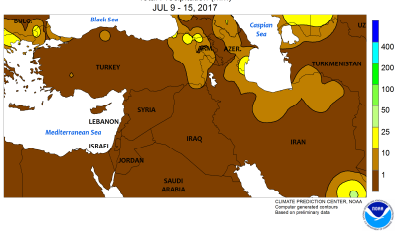
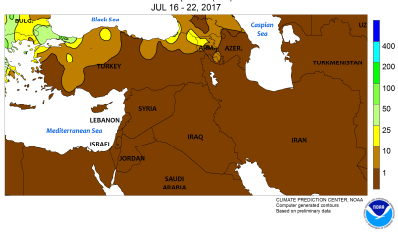
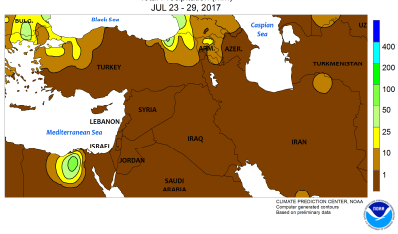
9.7-15.7.2017	16.7-22.7.2017	23.7-29.7.2017
		
		

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

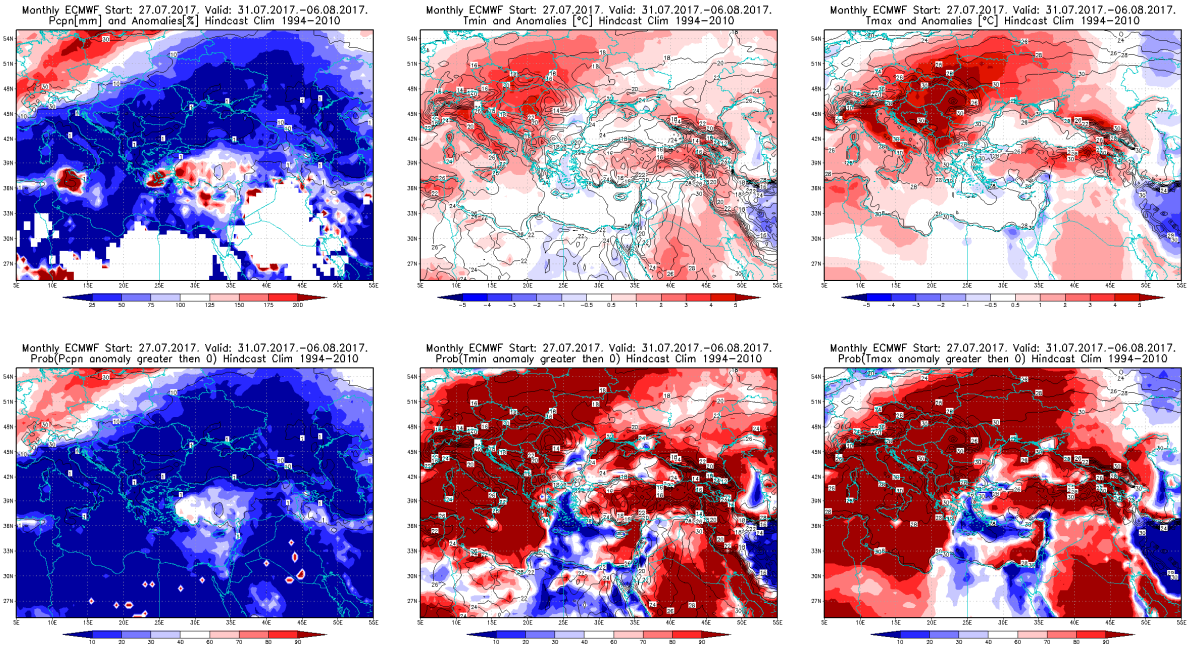


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 31.7 – 6.8.2017 period

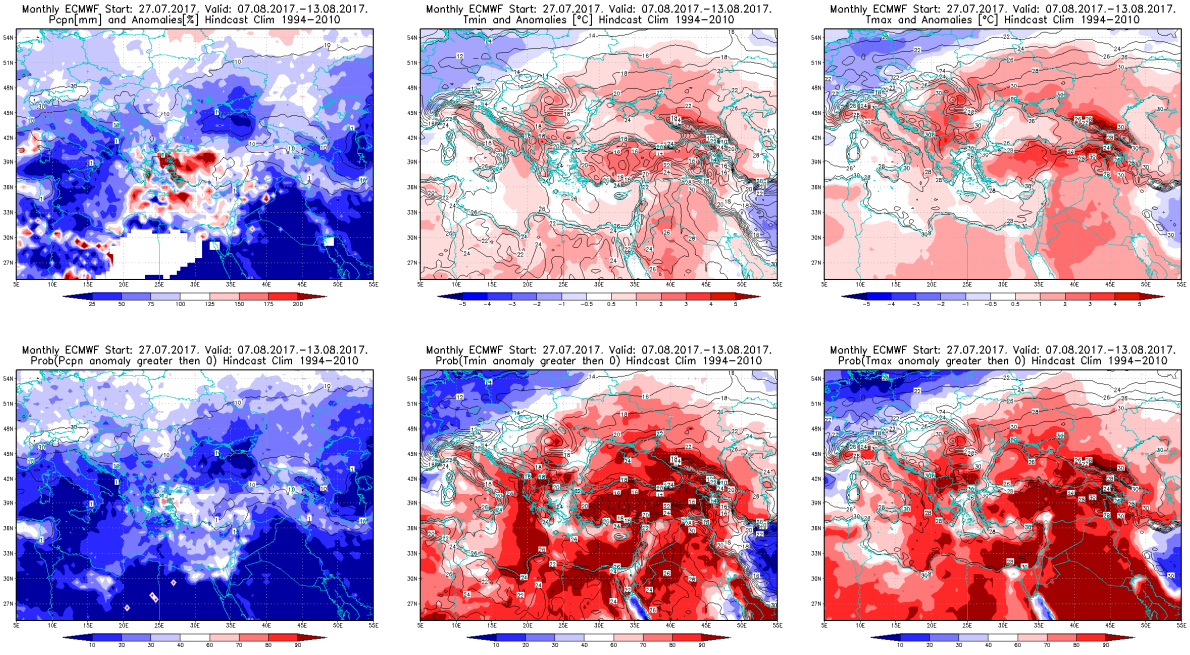


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 7 – 13.8.2017 period

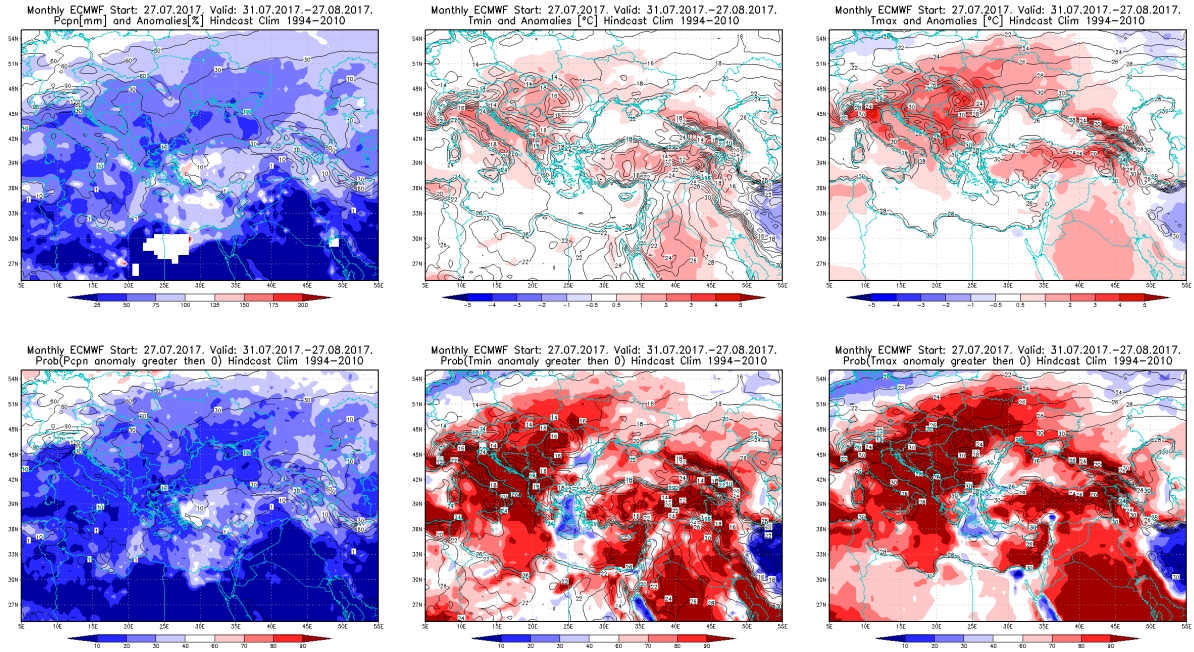


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 31.7 – 27.8.2017 period

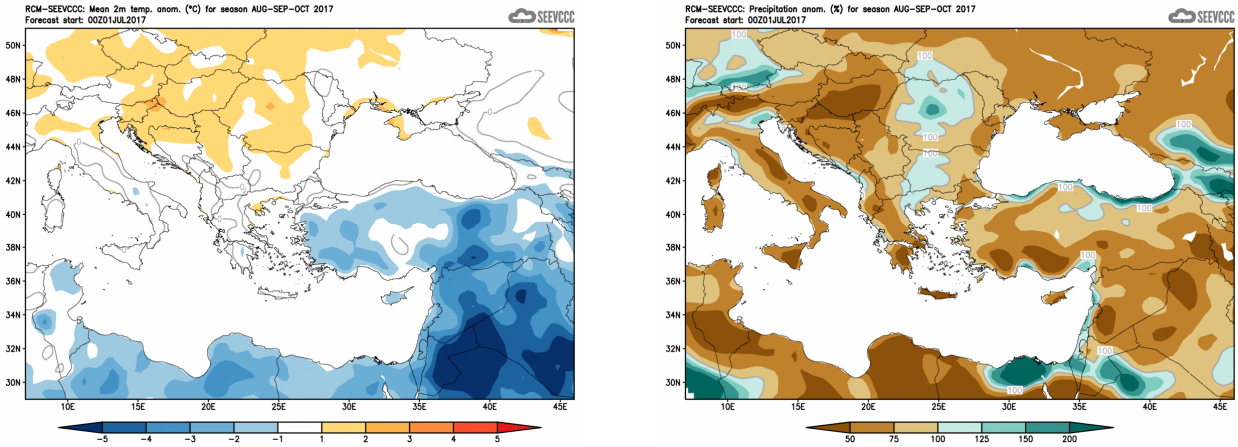


Figure 6. Mean seasonal temperature and precipitation anomaly for the season ASO (seasonal outlook from RCM – SEEVCCC)

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/)