Climate Watch (Serial No.: 20190715 – 00)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 15-7-2019 12:00 P.M.

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

Valid from – to: 15-7 – 30-9-2019 Next amendment: 22-7-2019

Region of concern: **SEE region**

„In the period from July 15th to 21st 2019, precipitation surplus is expected for Turkey, western and southern Balkans, Adriatic, Ionian and Aegean Sea with probability for exceeding upper tercile around 80%.

Monitoring

During the period from June 7th to 13th July 2019, below normal air temperature was registered in almost the entire region, with anomaly up to -5°C in the central and eastern Balkans. Precipitation totals reached up to 65 mm in the western Balkans, while some locations in northern Turkey received up to 95 mm of precipitation. In rest of the region precipitation amounts were below 35 mm.

Outlook

Within the first week (July 15th to 21st 2019), ECMWF monthly forecast predicts below normal mean weekly air temperature for most of the region, with anomaly up to -4°C. Probability for exceeding lower tercile is around 90%. Above normal mean weekly air temperature is expected in eastern part of South Caucasus, with anomaly up to +3°C. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is expected for Turkey, western and southern Balkans, Adriatic, Ionian and Aegean Sea with probability for exceeding upper tercile around 80%.

During the second week (July 22nd to 28th 2019), above normal mean weekly air temperature is expected in southern Turkey and South Caucasus, with anomaly around +3°C. Average temperature is predicted for the rest of the region. Probability for exceeding upper tercile is around 80%. Precipitation surplus is predicted for Adriatic and Aegean Sea. Probability for exceeding upper tercile is around 80%. Average precipitation is expecteed for the rest of the region.

In the period from July 15th to August 11th 2019, below normal mean monthly air temperature is predicted along the Adriatic and in Greece, with anomaly up to -2°C. Probability for exceeding lower tercile is around 80%. Precipitation surplus is expected for the western and southern Balkans, western Turkey, Adriatic, Ionian and Aegean Sea with probability for exceeding upper tercile around 80%.

During the following three months (July, August and September) seasonal forecast predicts above normal seasonal air temperature for most of the Balkans, most of Ukraine, southern Moldova and Romania. Below normal seasonal air temperature is expected in central part of Turkey and Middle East. Precipitation surplus is predicted for the Carpathian region, most of South Caucasus, eastern Turkey, Israel and Jordan. Precipitation deficit is expected in most of the Balkans, most of Ukraine, Moldova, western, central and some parts of southern Turkey and Cyprus.

Update

An updated statement will be issued on 22-7-2019

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

ANNEX

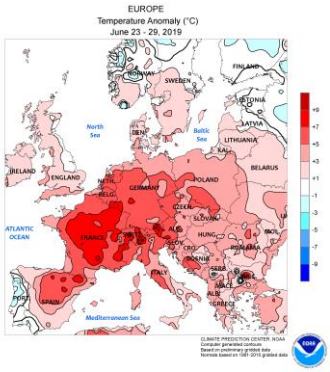
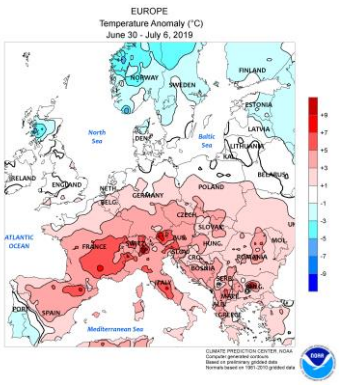
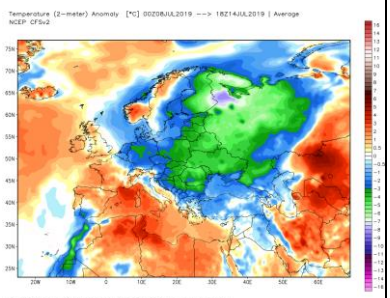
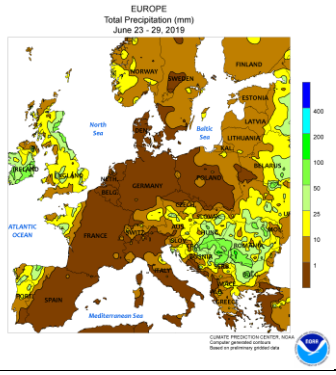
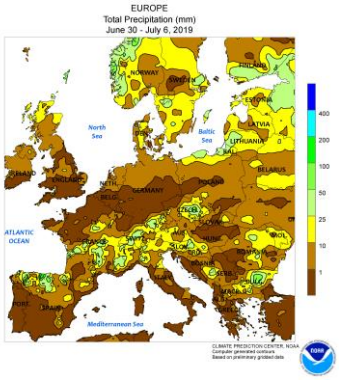
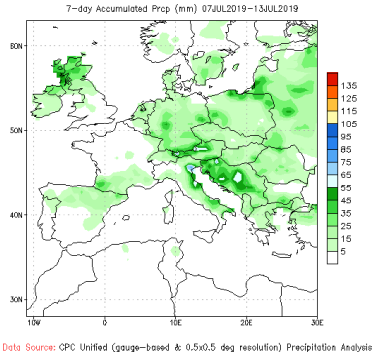
23.-29.6.2019	30.6-6.7.2019	8.7-14.7.2019(T) / 7.7-13.7(Prec)
		
		

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

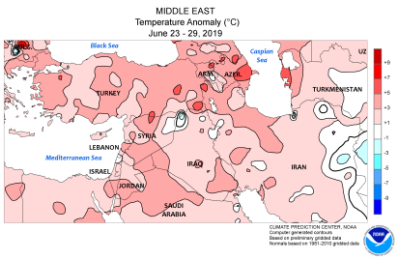
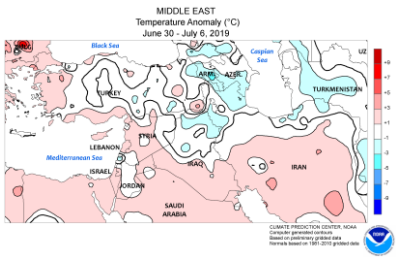
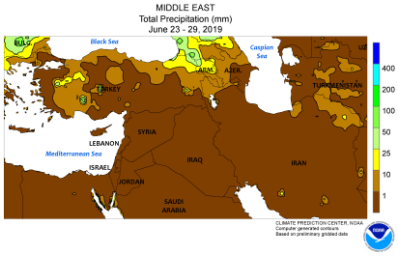
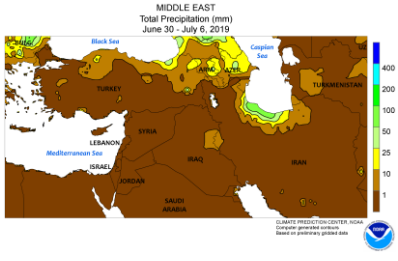
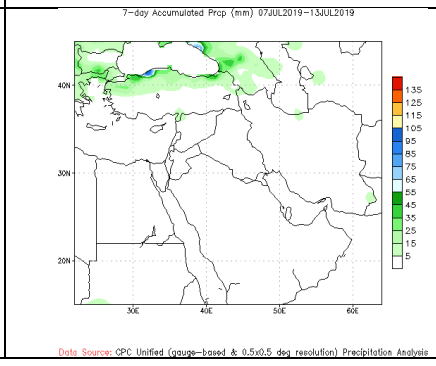
23-29.6.2019	30.6-6.7.2019	7.7-13.7.2019.
		-
		

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

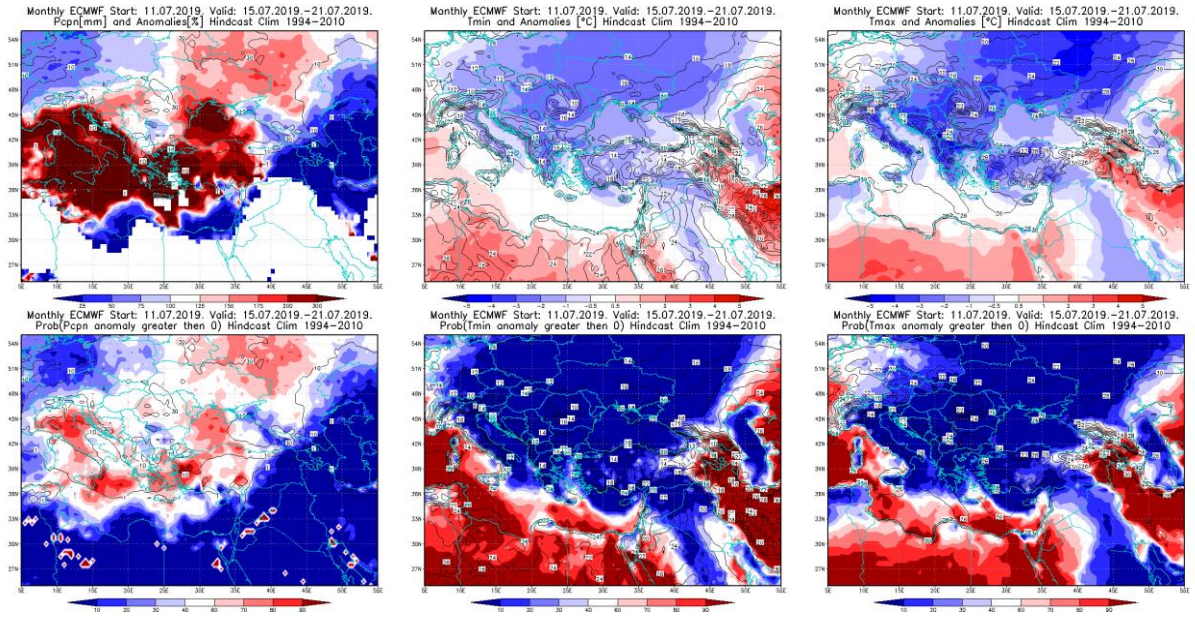


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 15.7 – 21.7.2019 period

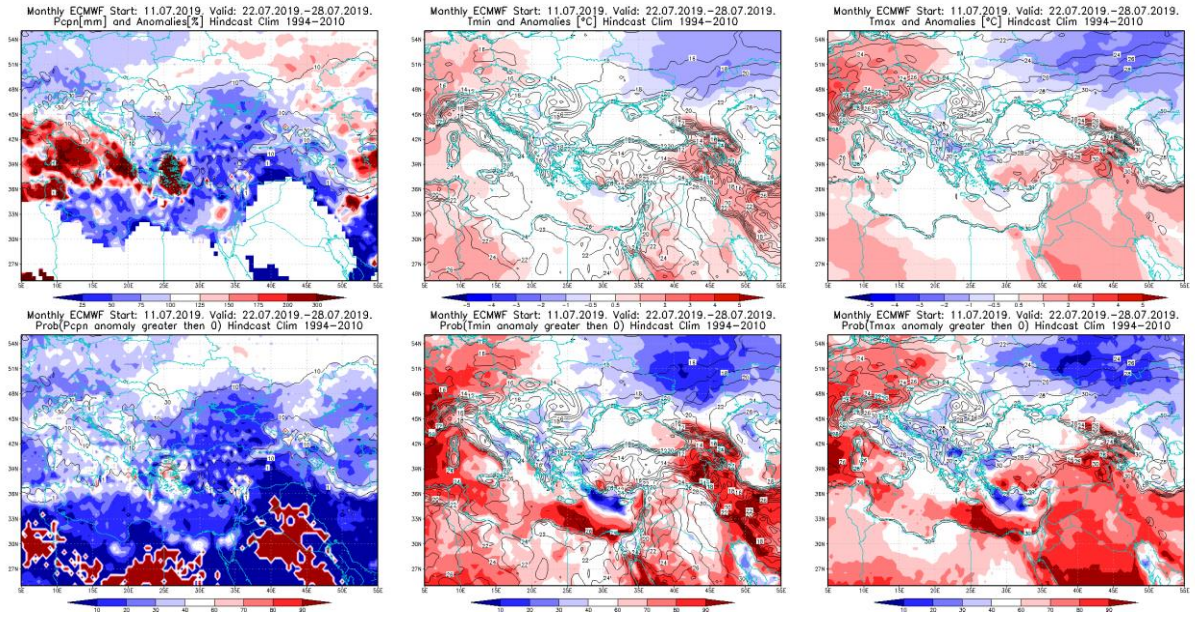


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 22.7 – 28.7.2019 period

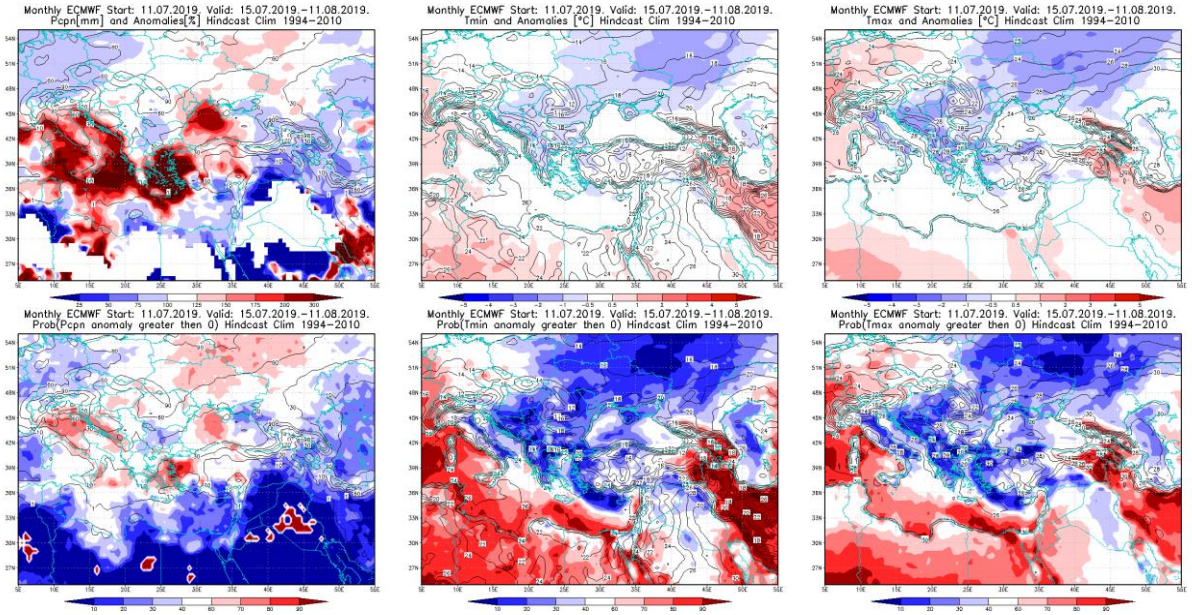


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 15.7 – 11.8.2019 period

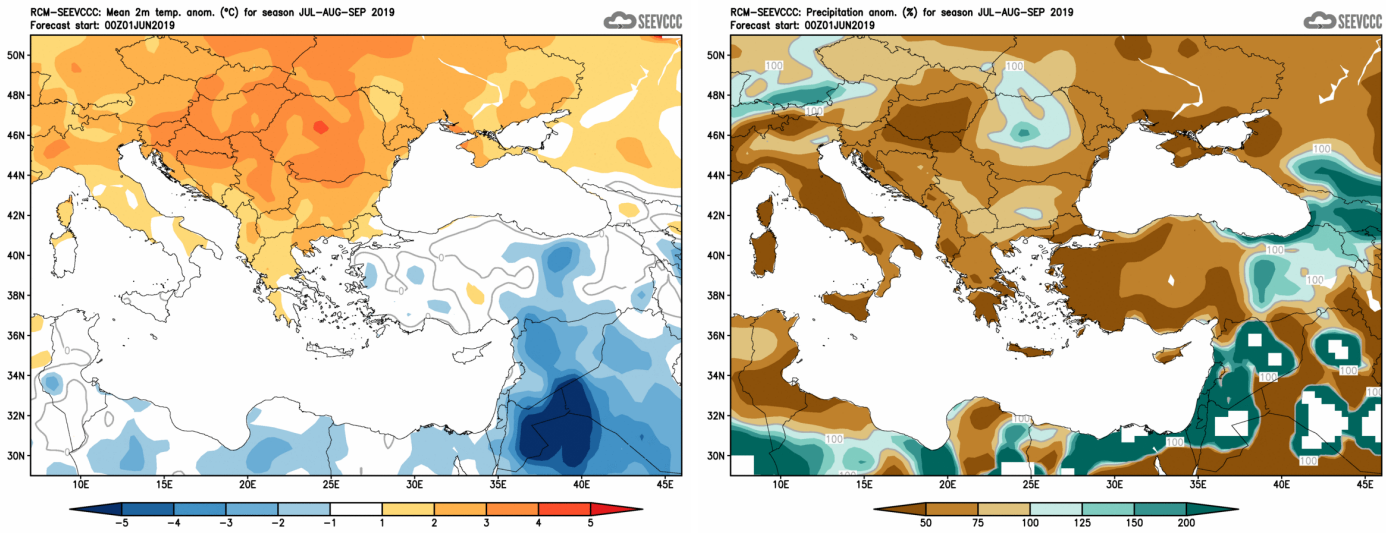


Figure 6. Mean seasonal temperature and precipitation anomaly for the season JAS (seasonal outlook from RCM – SEEVCCC)

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/)