Climate Watch (Serial No.: 20190826 – 00)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 26-8-2019 12:00 P.M.

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

Valid from – to: 26-8 – 30-11-2019 Next amendment: 2-9-2019

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

„In the period from August 26th to September 22nd 2019, ECMWF monthly forecast predicts above normal mean monthly air temperature in the entire SEE region, with anomaly reaching up to +3°C, in most of the western and southern Balkans, Turkey and south Caucasus. In the central and eastern Balkans, Moldova and most of Ukraine anomaly is forecasted to reach up to +5°C. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is forecasted for eastern Turkey and some locations in the south Caucasus and western Turkey, with up to 60% probability for exceeding upper tercile. Precipitation deficit is expected in south Caucasus, north Turkey, south Balkans, Cyprus, Aegean Sea and Ukraine. Probability for exceeding lower tercile is in a range from around 60% for most areas up to 80% for the area of Aegean Sea."

Monitoring

During the period from August 18th to 24th 2019, above normal air temperature, with anomaly up to +4°C, was observed in most of the region, while in the parts of eastern Balkans, central Romania, south Moldova and Ukraine, temperature anomaly reached up to +5°C. Below normal air temperature, with anomaly up to -3°C, was registered in most of Turkey. Precipitation totals were mostly below 25 mm. In some locations in the northernmost Turkey precipitation sums reached up to 100 mm.

Outlook

Within the first week (August 26th to September 1st 2019), ECMWF monthly forecast predicts above normal mean weekly air temperature in the entire SEE region, with anomaly reaching up to +3°C, in most of the western and southern Balkans, Turkey and south Caucasus. In the central and eastern Balkans, Moldova and most of Ukraine anomaly is forecasted to reach up to +5°C. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is forecasted for eastern Turkey and some locations in the south Caucasus and western Turkey, with up to 60% probability for exceeding upper tercile. Precipitation deficit is expected in rest of the region, with probability for exceeding lower tercile above 90% in most of Bulgaria, Romania, Moldova and Ukraine and around 80% in central Balkans.

During the second week (September 2nd to September 8th 2019), above normal mean weekly air temperature is expected in most of the region, with anomaly up to +3°C, while in Moldova, Ukraine and eastern Balkans temperature anomaly is expected to be around +4°C. Probability for exceeding upper tercile is around 80%, in most of Bulgaria, southern Romania, Moldova and Ukraine up to 90%. Precipitation surplus is predicted for the northwestern Balkan and central and eastern Turkey. Probability for exceeding upper tercile is up to 60%. Precipitation deficit is expected in south Caucasus, north Turkey, south Balkans, Cyprus, Aegean Sea and Ukraine. Probability for exceeding lower tercile is in a range from around 60% for most areas and up to 80% in the area of Aegean Sea.

In the period from August 26th to September 22nd2019, above normal mean monthly air temperature is expected in most of the region with anomaly up to +2°C, and in some locations of central Balkans, eastern Balkans, Moldova and Ukraine with anomaly reaching up to +3°C. Probability for exceeding upper tercile is around 80%, in Bulgaria, Romania, Moldova and Ukraine up to 90%. Precipitation surplus is forecasted for eastern Turkey with low probability. Precipitation deficit is expected in southern and eastern Balkans, Moldova, Ukraine, central Turkey and Cyprus, with around 60% probability for exceeding lower tercile.

During the following three months (September, October and November) seasonal forecast predicts above normal seasonal air temperature for most of SEE region. Below normal seasonal air temperature is expected in central and southern parts of Turkey. Precipitation surplus is predicted for the Carpathian region, northernmost and southernmost Turkey and some locations in the South Caucasus and along southern Adriatic. Precipitation deficit is expected in western, some central, eastern and southern parts of the Balkans, most of Moldova and Ukraine, southwestern and eastern Turkey and Cyprus.

Update

An updated statement will be issued on 2-9-2019

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

ANNEX

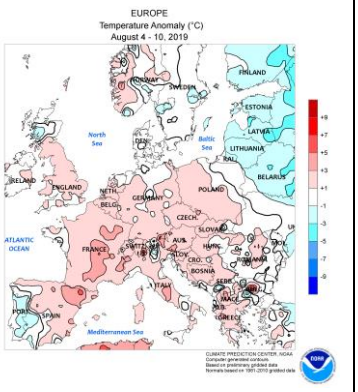
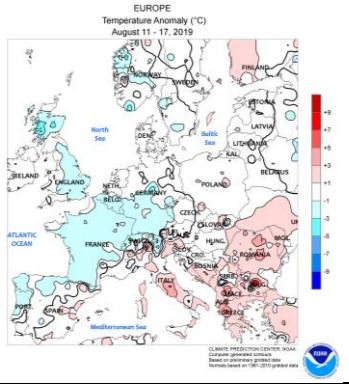
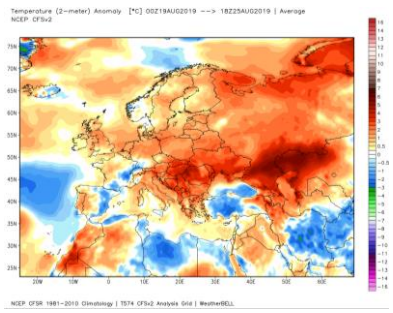
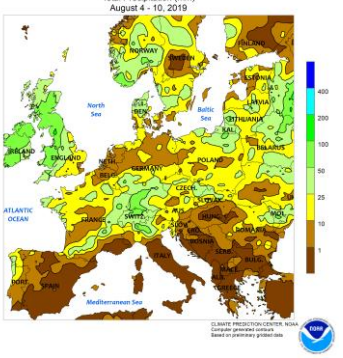
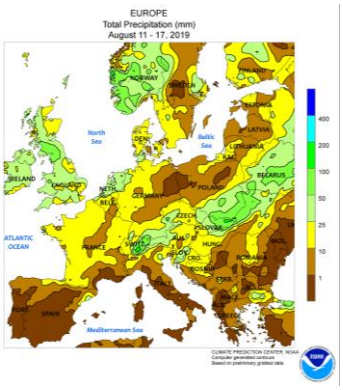
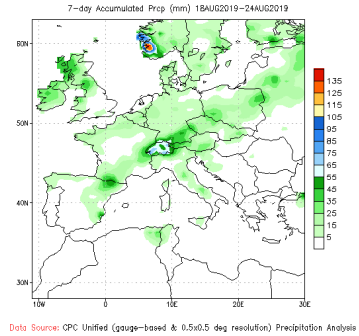
4.8-10.8.2019	11.8-17.8.2019	18/19.8-24/25.8.2019
		
		

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

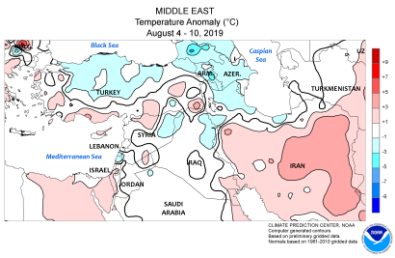
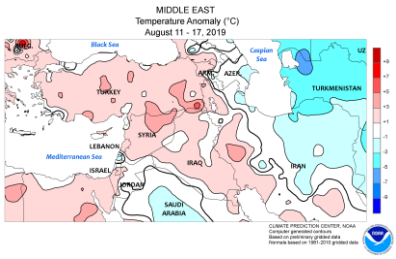
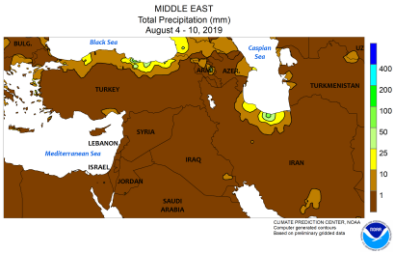
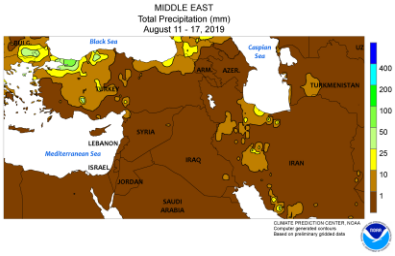
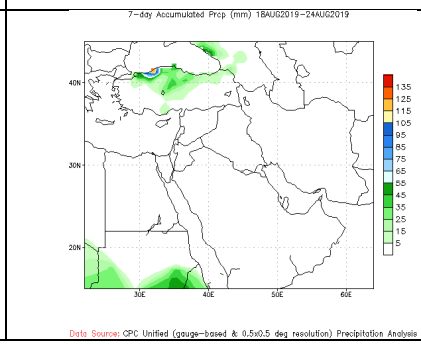
4.8-10.8.2019	11.8-17.8.2019	18.8-24.8.2019
		
		

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

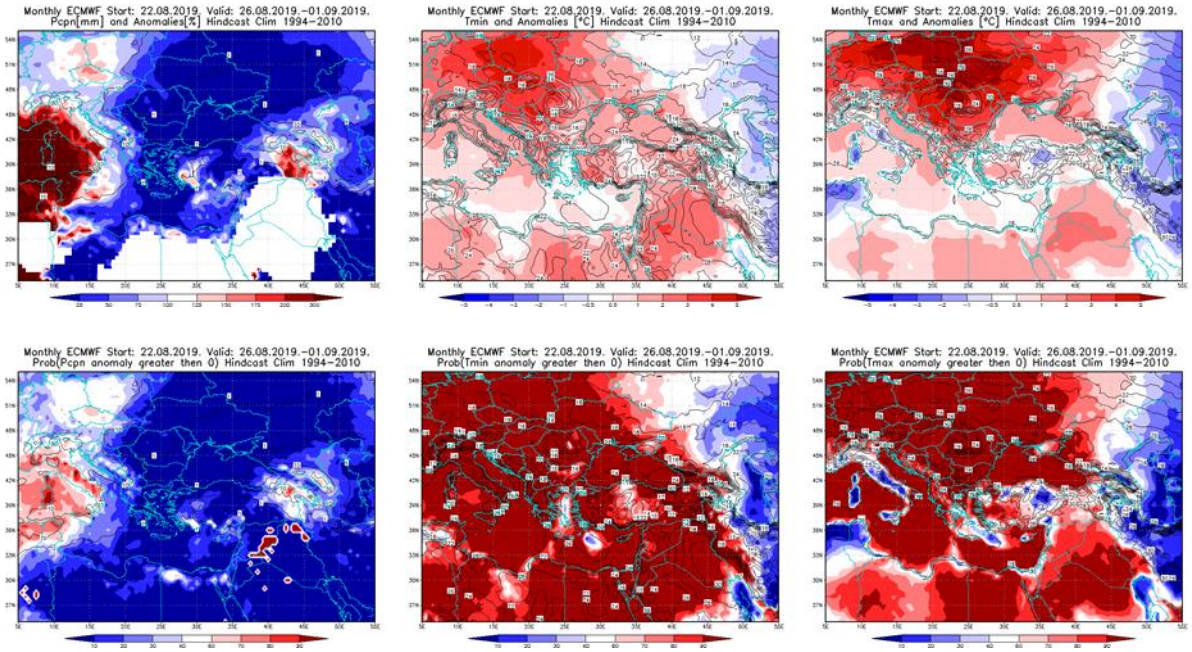


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 26.8 – 1.9.2019 period

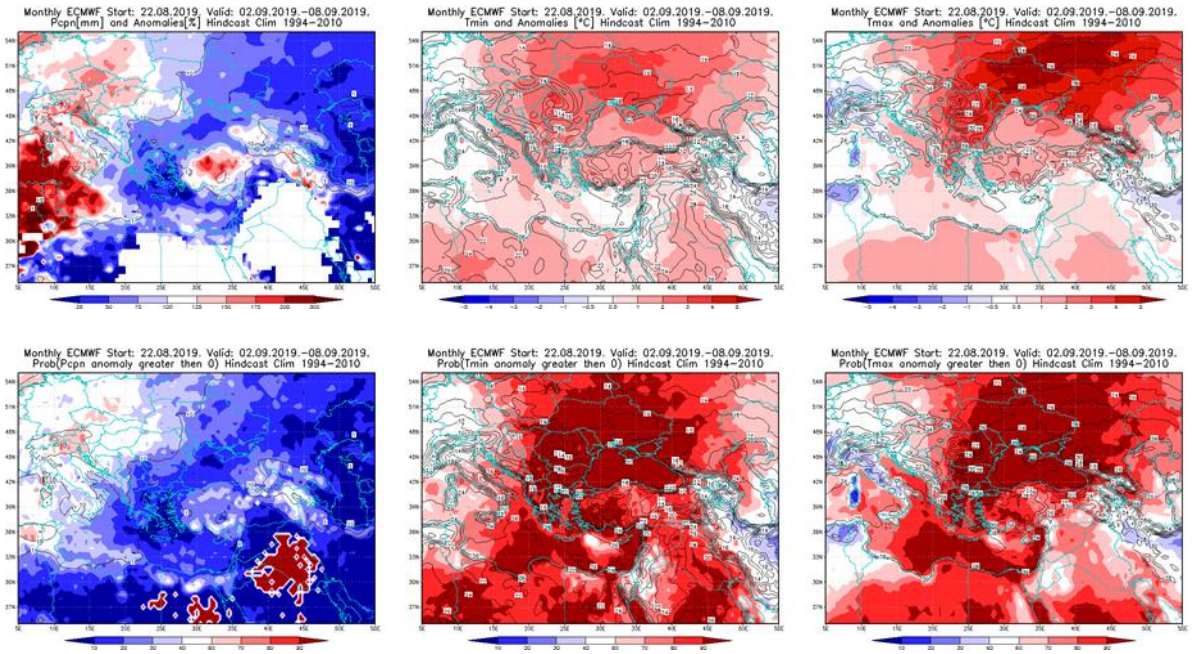


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 2.9 – 8.9.2019 period

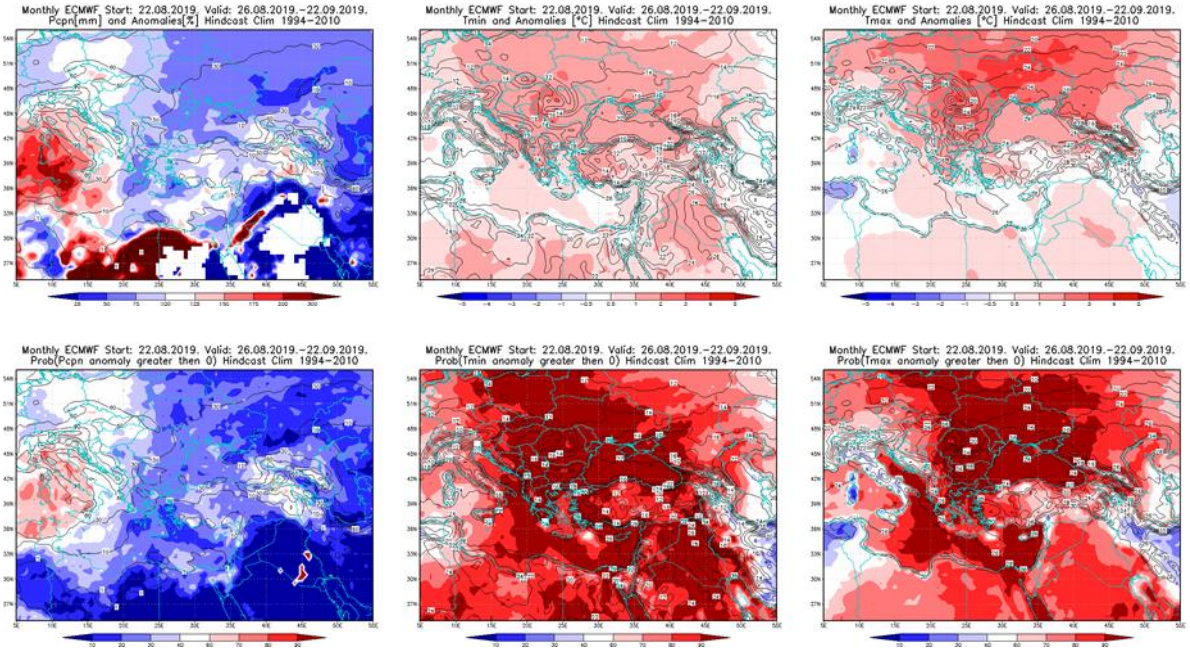


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 26.8 – 22.9.2019 period

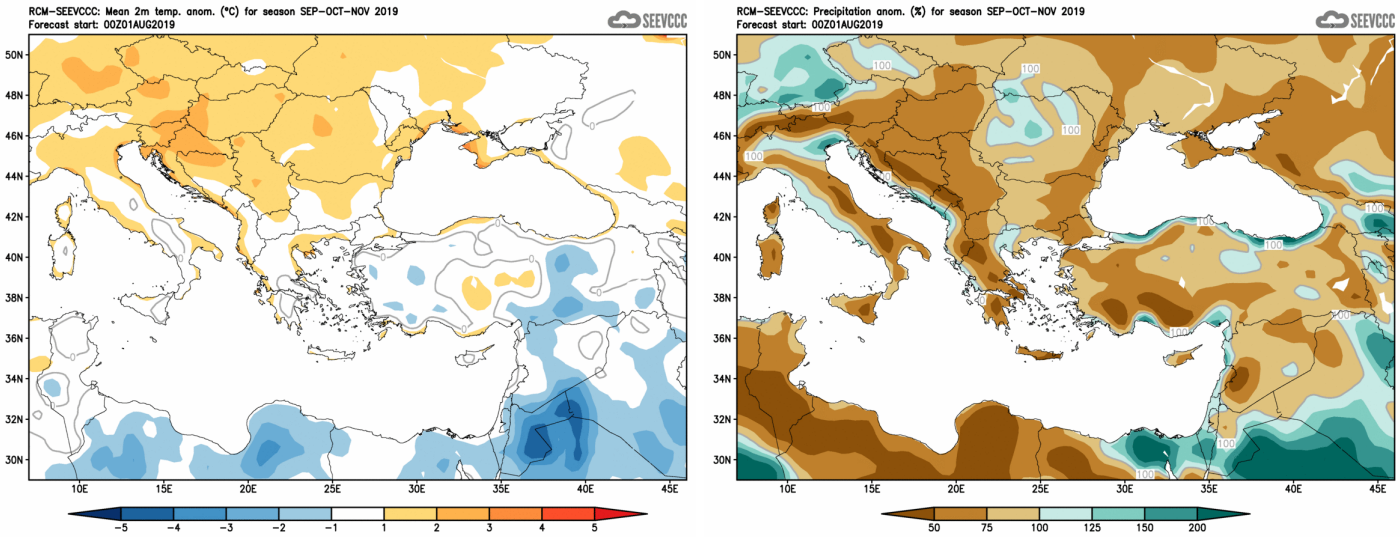


Figure 6. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook from RCM – SEEVCCC)

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/)