Climate Watch (Serial No.: 20190902 – 00)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 2-9-2019 12:00 P.M.

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

Region of concern: **SEE region**

„In the period from September 2nd to 8th 2019, ECMWF monthly forecast predicts above normal mean weekly air temperature in the Balkans, western Turkey, Romania, Moldova and Ukraine, with anomaly in a range from +2°C up to +4°C. Below normal mean weekly air temperature, with anomaly in a range from -2°C up to -5°C, is expected in eastern Turkey, Cyprus and south Caucasus. Probability for exceeding upper/lower tercile is up to 90%. Precipitation surplus is forecasted for Adriatic and Ionian Sea, the westernmost Balkans, easternmost Turkey and south Caucasus. Precipitation deficit is expected in rest of the region. Probability for exceeding upper/lower tercile is around 80%."

Monitoring

During the period from August 25th to 31st 2019, above normal air temperature, with anomaly up to +4°C, was observed in most of the region, while below normal air temperature, with anomaly up to -3°C, was registered in Azerbaijan, Armenia, eastern Georgia and part of southern Turkey. Precipitation totals were mostly below 25 mm. In some locations in the northeastern Turkey precipitation sums reached up to 100 mm.

Outlook

Within the first week (September 2nd to 8th 2019), ECMWF monthly forecast predicts above normal mean weekly air temperature in the Balkans, western Turkey, Romania, Moldova and Ukraine, with anomaly in a range from +2°C up to +4°C. Below normal mean weekly air temperature, with anomaly in a range from -2°C up to -5°C, is expected in eastern Turkey, Cyprus and south Caucasus. Probability for exceeding upper/lower tercile is up to 90%. Precipitation surplus is forecasted for Adriatic and Ionian Sea, the westernmost Balkans, easternmost Turkey and south Caucasus. Precipitation deficit is expected in rest of the region. Probability for exceeding upper/lower tercile is around 80%.

During the second week (September 9th to 15th 2019), above normal mean weekly air temperature is expected in the eastern Balkans, Moldova, most of Romania, western Ukraine, northern and central Turkey and western Georgia, with anomaly up to +2°C, while in most of Ukraine temperature anomaly is expected to be up to +3°C. Probability for exceeding upper tercile is around 80%. Precipitation surplus is predicted for Aegean Sea, the southwestern and northern Balkans, western Ukraine, Carpathian region and western Turkey. Precipitation deficit is expected in central and southeastern Turkey, Azerbaijan, eastern Georgia and some locations in eastern Ukraine. Probability for exceeding upper/lower tercile is around 60%.

In the period from September 2nd to 29th2019, above normal mean monthly air temperature is expected in Ukraine, Moldova, Romania, most of Bulgaria and eastern Serbia, with anomaly up to +2°C. Probability for exceeding upper tercile is around 80%. Precipitation surplus is forecasted for Adriatic Sea and southern Armenia, with probability up to 70% for exceeding upper tercile. Precipitation deficit is expected in eastern and central Ukraine, most of Moldova, eastern Romania, northeastern Bulgaria, central and part of eastern Turkey, 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 9-9-2019

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

ANNEX

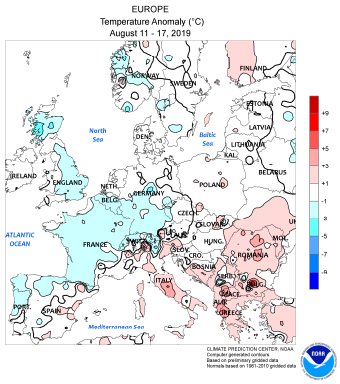
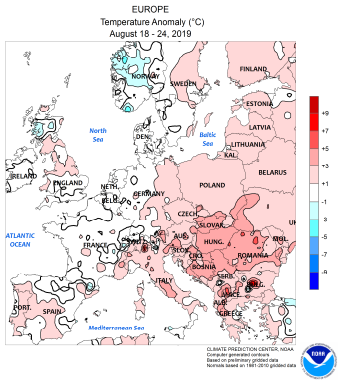
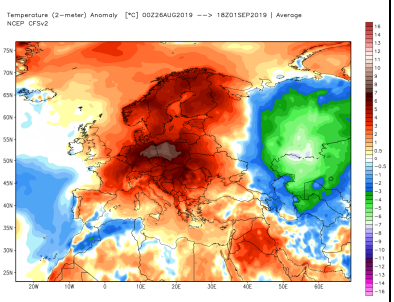
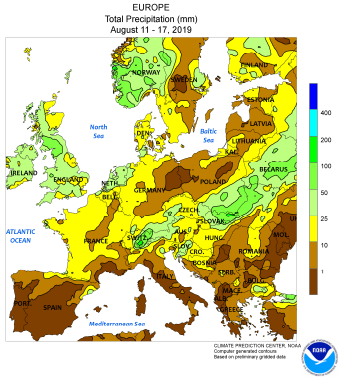
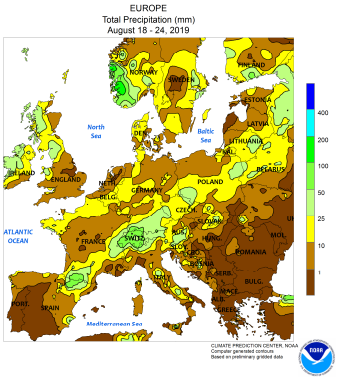
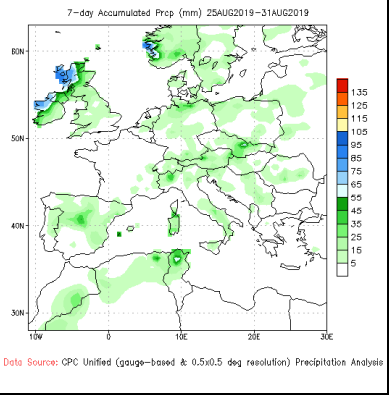
11.8-17.8.2019	18.8-24.8.2019	26.8-1.9(T)/25.8-31.8.2019(RR)
		
		

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

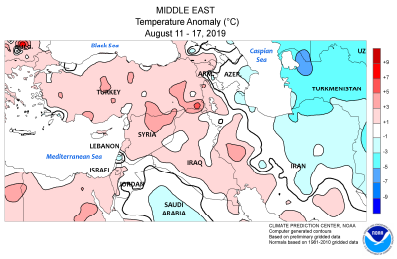
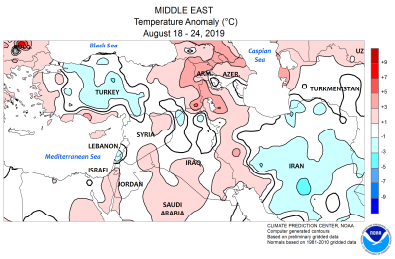
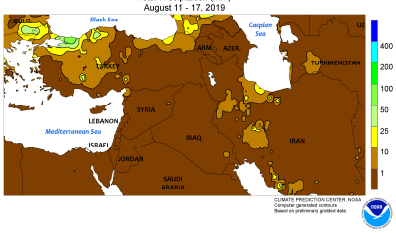
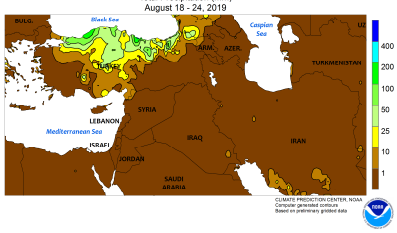
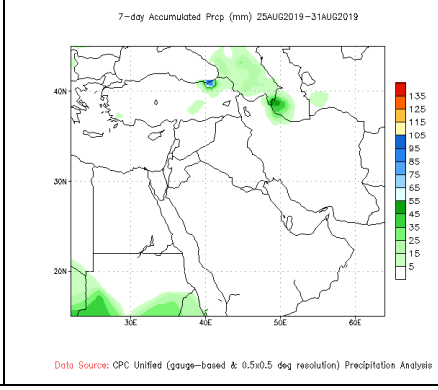
11.8-17.8.2019	18.8-24.8.2019	25.8-31.8.2019
		-
		

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

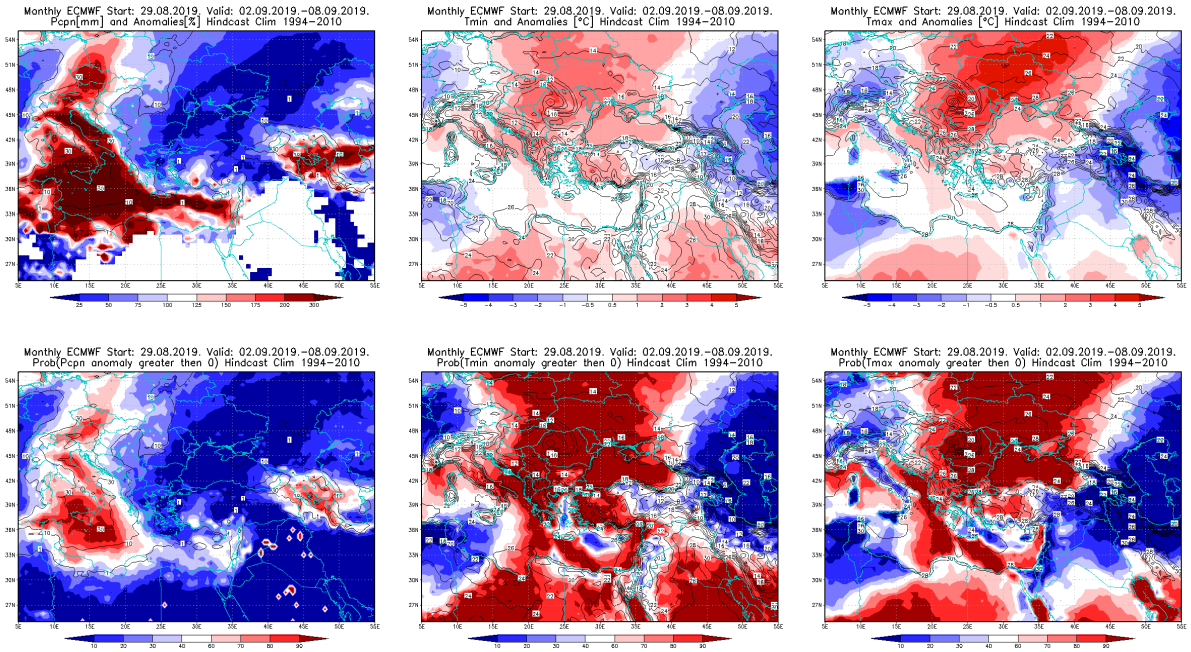


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 2.9 – 8.9.2019 period

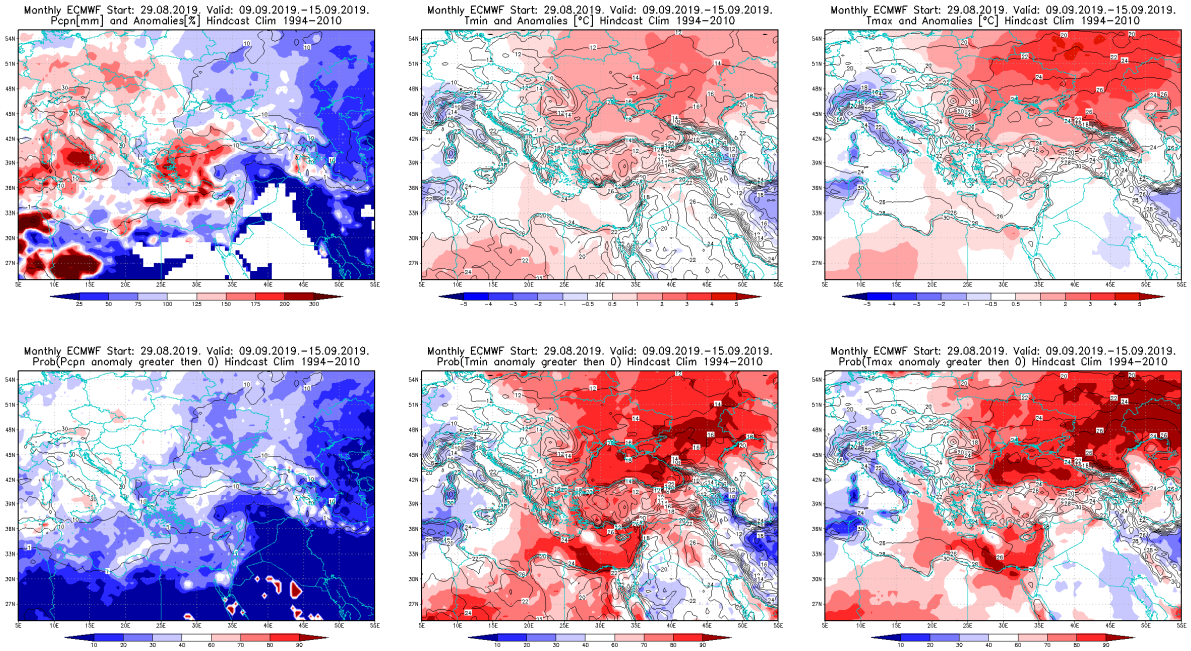


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 9.9 – 15.9.2019 period

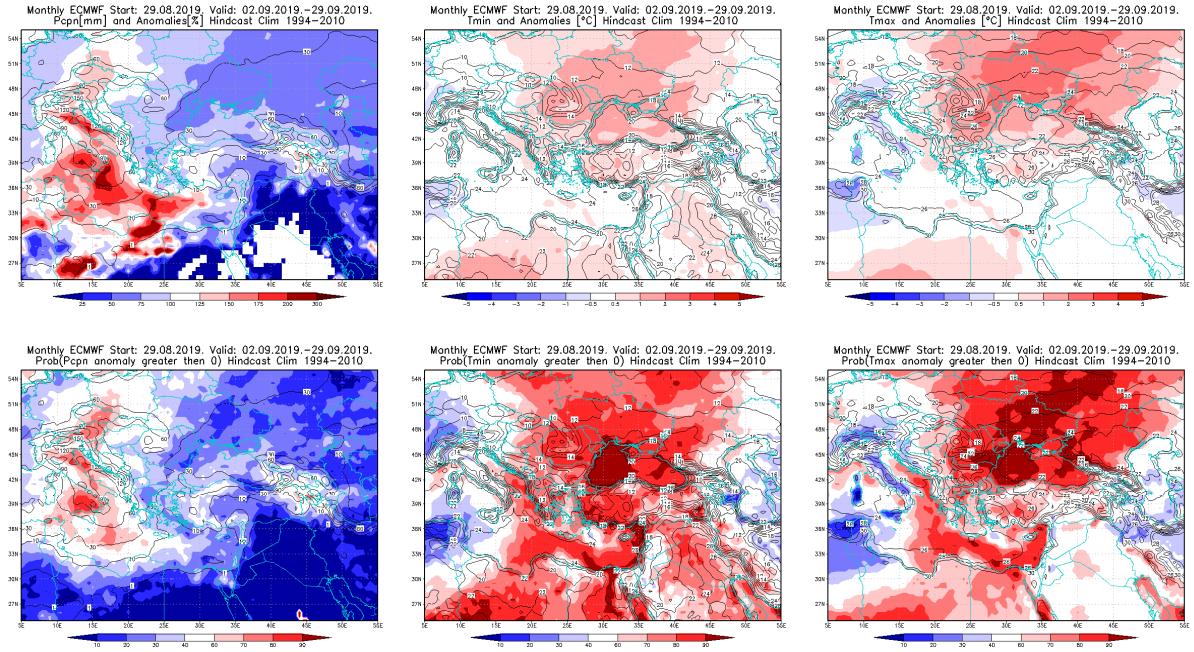


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 2.9 – 29.9.2019 period

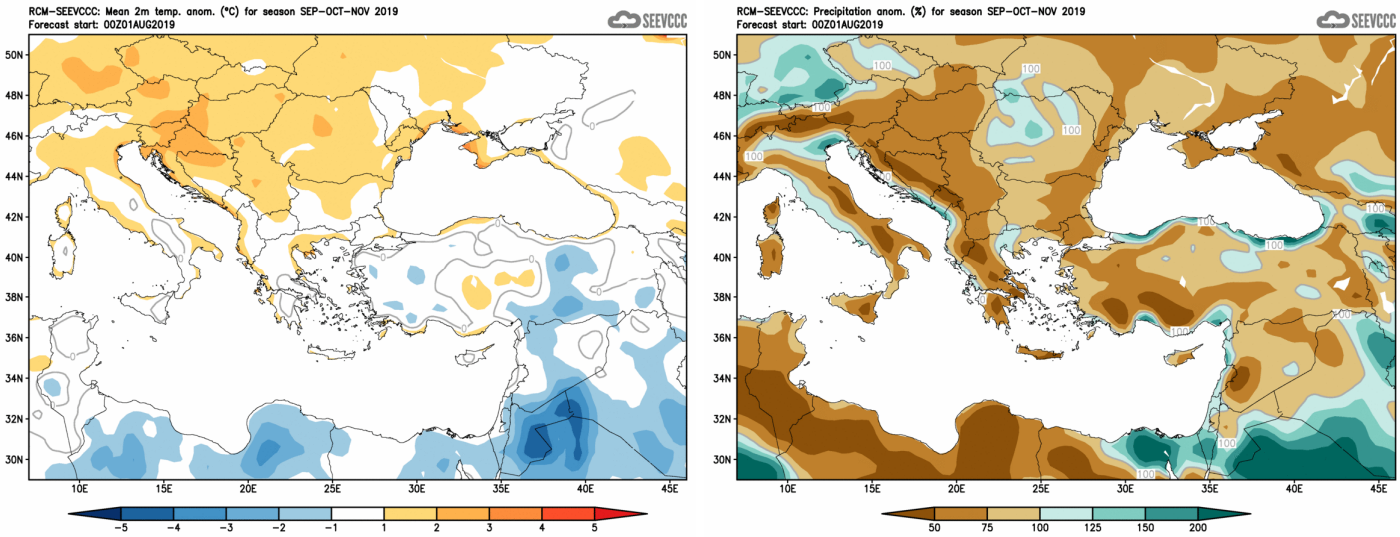


Figure 6. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook from RCM – SEEVCCC)

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/)