Climate Watch (Serial No.: 20190916 – 00)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 16-9-2019 12:00 P.M.

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Valid from – to: 16-9 – 30-11-2019 Next amendment: 23-9-2019

Region of concern: **Balkans**

„In the period from September 16th to 22nd 2019, ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly up to -3°C in the Balkans. Probability for exceeding lower tercile is around 80%. Precipitation surplus is forecasted for the southeastern Balkans and Aegean Sea with low probability for exceeding upper tercile. Precipitation deficit is forecasted for central Balkans with 70% probability for exceeding lower tercile."

Monitoring

During the period from September 8th to 14th 2019, above normal air temperature, with anomaly up to +3°C, was observed in most of the Balkans, in Ukraine reaching even up to +5°C. Below normal air temperature, with anomaly up to -5°C, was registered in Turkey, South Caucasus and Middle East. Precipitation totals were mostly below 25 mm.

Outlook

Within the first week (September 16th to 22nd 2019), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly up to -3°C in the Balkans. Probability for exceeding lower tercile is around 80%. Precipitation surplus is forecasted for the southeastern Balkans and Aegean Sea with low probability for exceeding upper tercile. Precipitation deficit is forecasted for the central Balkans with 70% probability for exceeding lower tercile.

During the second week (September 23rd to 29th 2019), below normal mean weekly air temperature is expected in most of Turkey, with anomaly up to -2°C, in northern Turkey up to -3°C. Probability for exceeding lower tercile is up to 60%. In rest of the region average temperature is expected. Precipitation deficit is predicted in the central and eastern Balkans, Turkey and south Caucasus. Probability for exceeding upper tercile is up to 70%.

In the period from September 16th to October 13th 2019, average temperature is expected in most of the region. Precipitation deficit is expected in Turkey and South Caucasus, with around 60% probability for exceeding lower tercile. In the Balkans average precipitation is expected.

During the following three months (September, October and November) seasonal forecast predicts above normal seasonal air temperature for most of the 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 23-9-2019

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

ANNEX

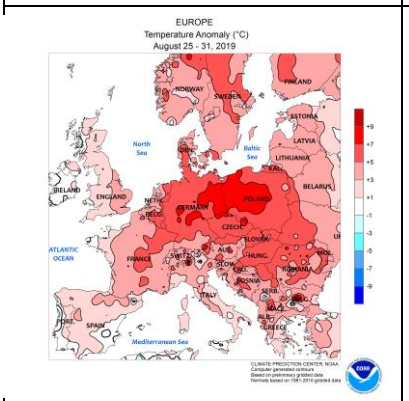
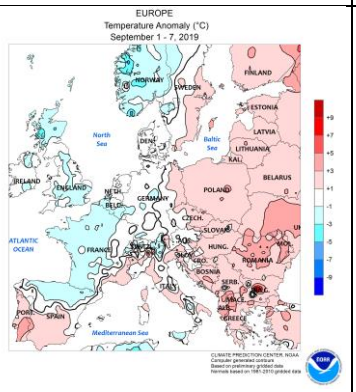
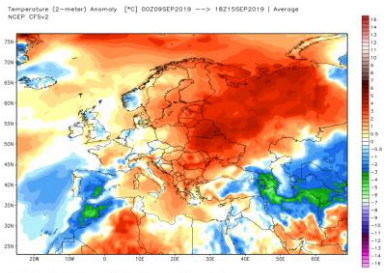
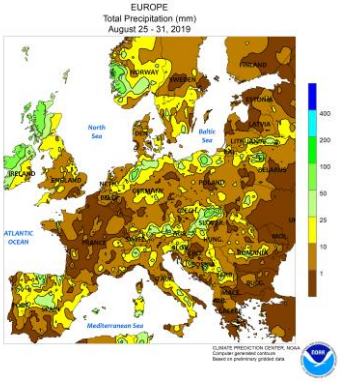
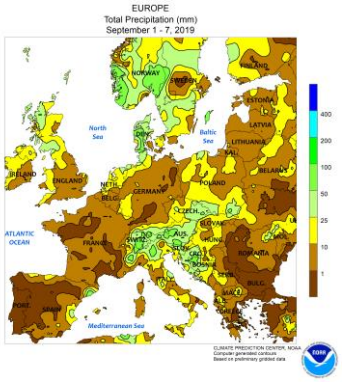
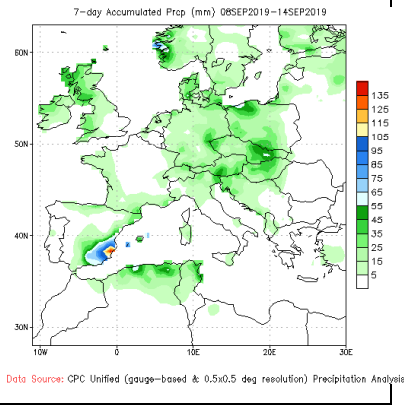
25.8-31.8.2019	1.9-7.9.2019	8.9-14.9.2019
		
		

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

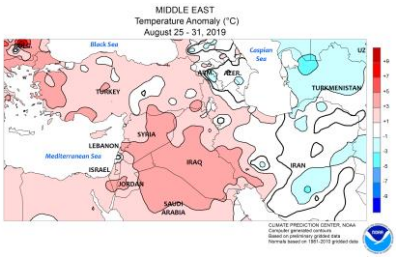
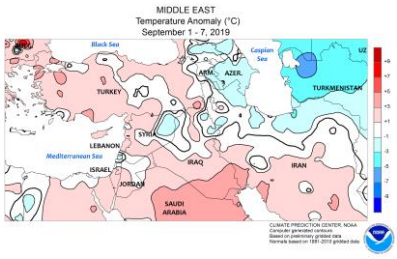
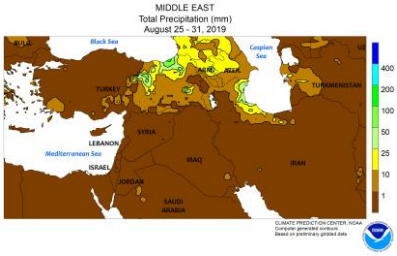
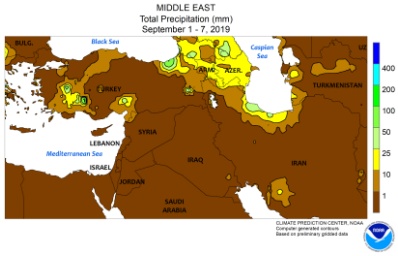
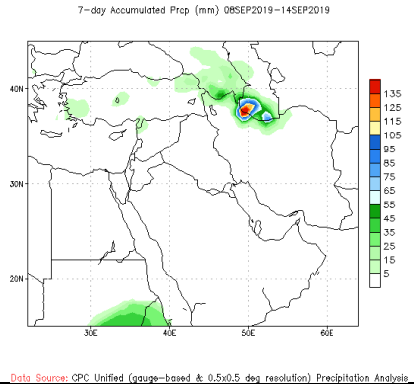
25.8-31.8.2019	1.9-7.9.2019	8.9-14.9.2019
		-
		

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

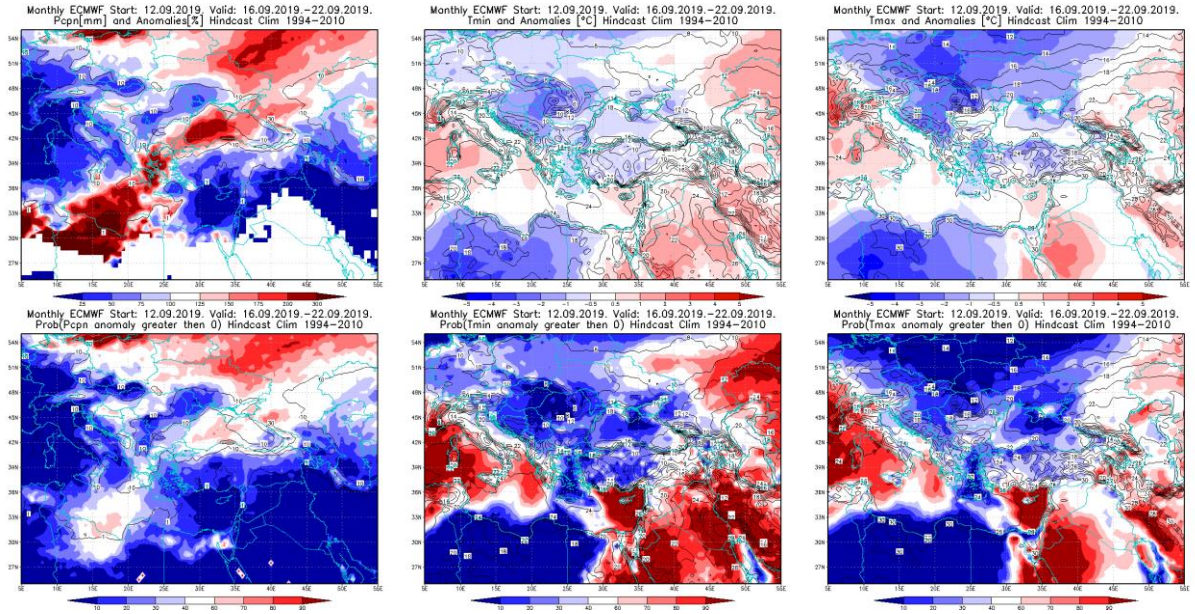


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 16.9 – 22.9.2019 period

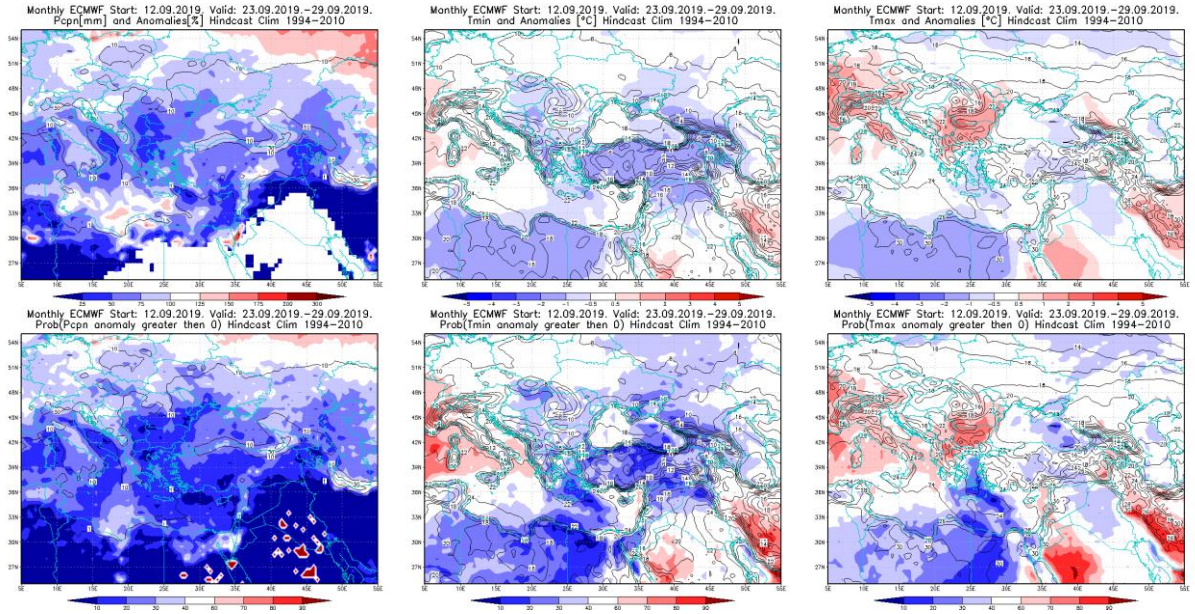


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 23.9 – 29.9.2019 period

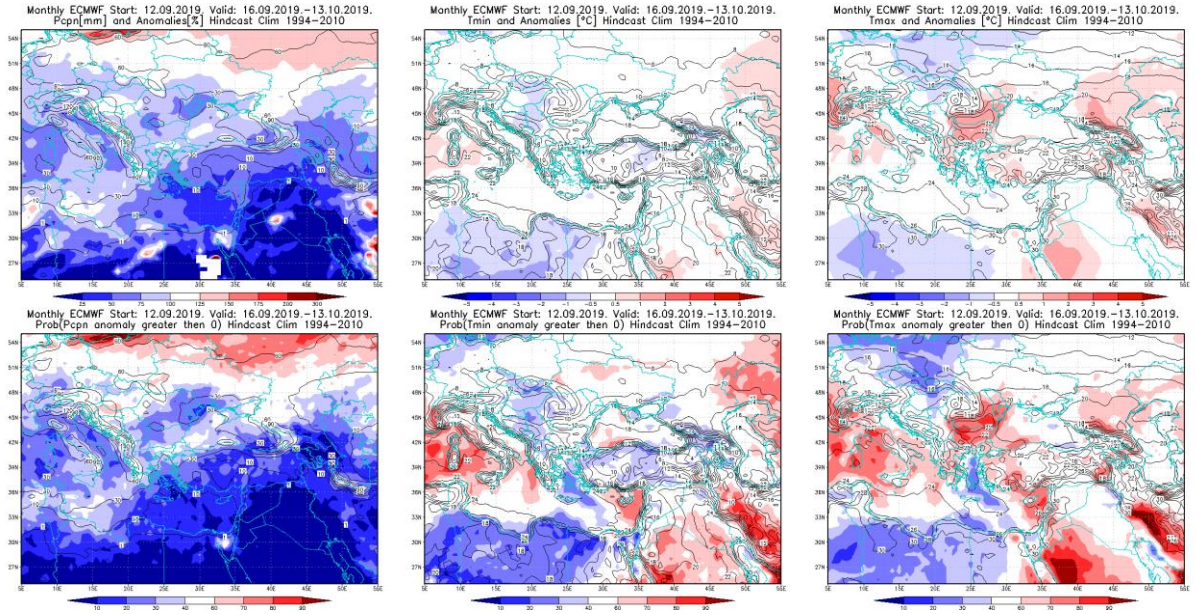


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 16.9 – 13.10.2019 period

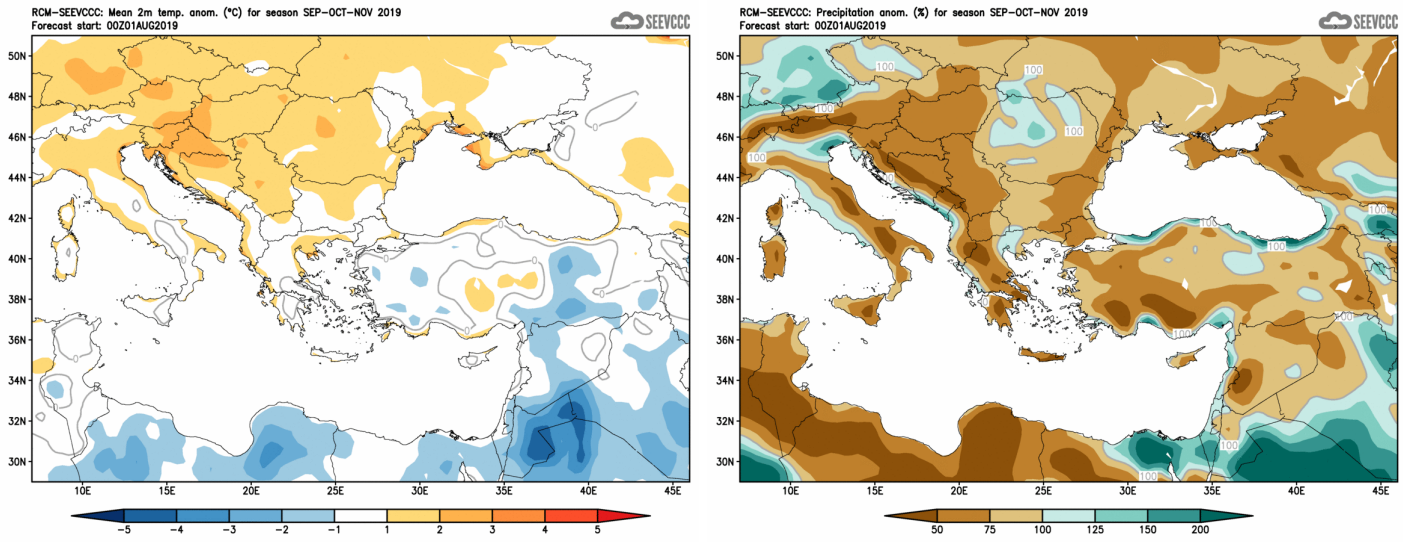


Figure 6. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook from RCM – SEEVCCC)

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/)