Climate Watch (Serial No.: 20191216 – 00)

Initial/Updated/Final

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

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

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Valid from – to: 16-12-2019 – 29-2-2020 Next amendment: 23-12-2019

Region of concern: **SEE region**

„In the period from December 16th 2019 to January 12th 2020, above normal mean monthly air temperature is expected in the entire SEE region, with anomaly up to +5 °C. Probability for exceeding upper tercile is around 90%."

Monitoring

During the period from December 8th to 14th 2019, above normal air temperature was observed in most of the SEE region with anomaly reaching up to +5 °C. Below normal air temperature, with anomaly up to -4 °C, was registered at some locations in central and northern Turkey and South Caucasus. Precipitation totals reached 100 mm in the southern Balkans and along the coast of Adriatic, while up to 150 mm of precipitation was observed in southern Turkey.

Outlook

Within the first week (December 16th to 22nd 2019), ECMWF monthly forecast predicts above normal mean weekly air temperature in the entire SEE region, with anomaly up to +6 °C and above in the Balkans. Probability for exceeding upper tercile is around 90%. Precipitation deficit is forecasted for most of the SEECOF region, with up to 90% probability for exceeding lower tercile. Precipitation surplus is predicted along coast of Adriatic with around 60% probability for exceeding upper tercile.

During the second week (December 23rd to 29th 2019), above normal mean weekly air temperature is expected in the entire SEE region, with anomaly from +4 °C up to +6 °C. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is predicted for the southeastern Balkans, with around 60% probability for exceeding upper tercile. In rest of the region average precipitation is expected.

In the period from December 16th 2019 to January 12th 2020, above normal mean monthly air temperature is expected in the entire SEE region, with anomaly up to +5 °C. Probability for exceeding upper tercile is around 90%. Average precipitation is expected for most of the region.

During the following three months (January, February and March) seasonal forecast predicts above normal seasonal air temperature for most of the SEE region. Below normal seasonal air temperature is expected in most of Jordan, while in western, southern and northeastern Turkey, Israel and southern Greece average temperature is predicted. Precipitation surplus is predicted for the Carpathian region, northern and northeastern Turkey, south Caucasus and along Adriatic coast. Precipitation deficit is expected in the southern and part of western Balkans, Cyprus, western and part of southern Turkey, Jordan and most of Israel.

Update

An updated statement will be issued on 23-12-2019

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

ANNEX

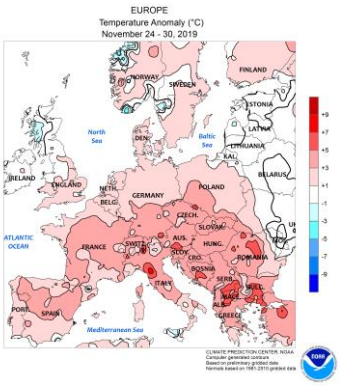
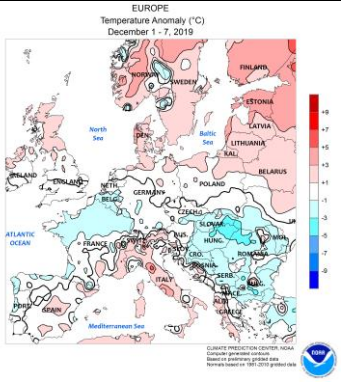
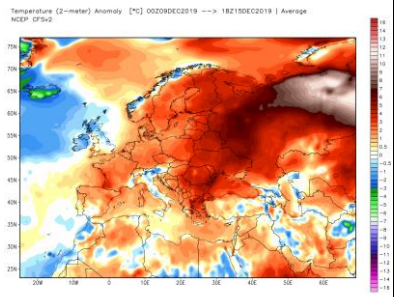
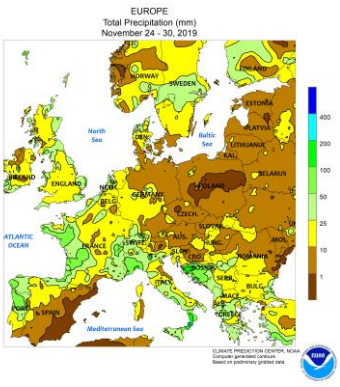
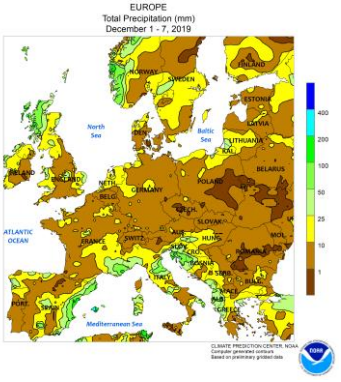
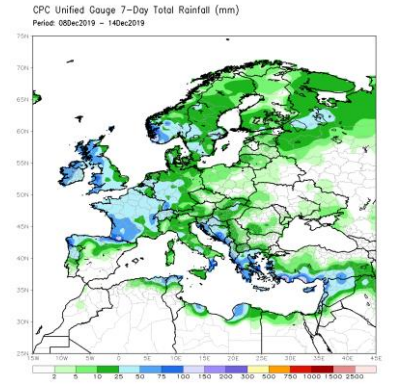
24.11-30.11.2019	1.12-7.12.2019	8.12-14.12.2019
		
		

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

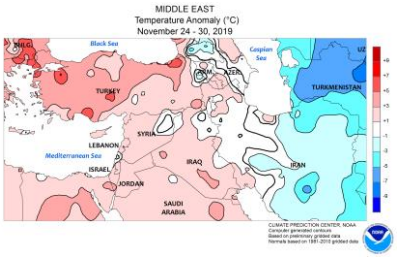
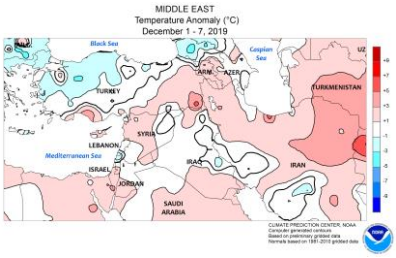
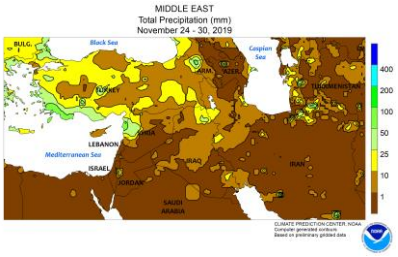
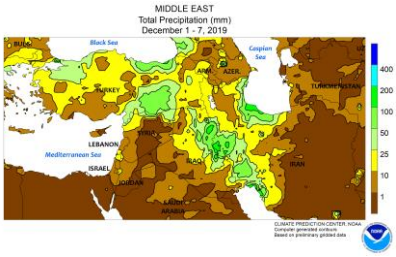
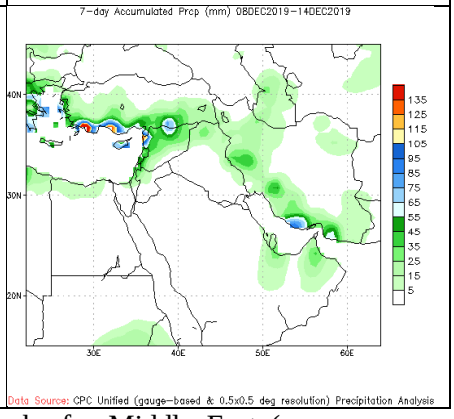
24.11-30.11.2019	1.12-7.12.2019	8.12-14.12.2019
		-
		

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

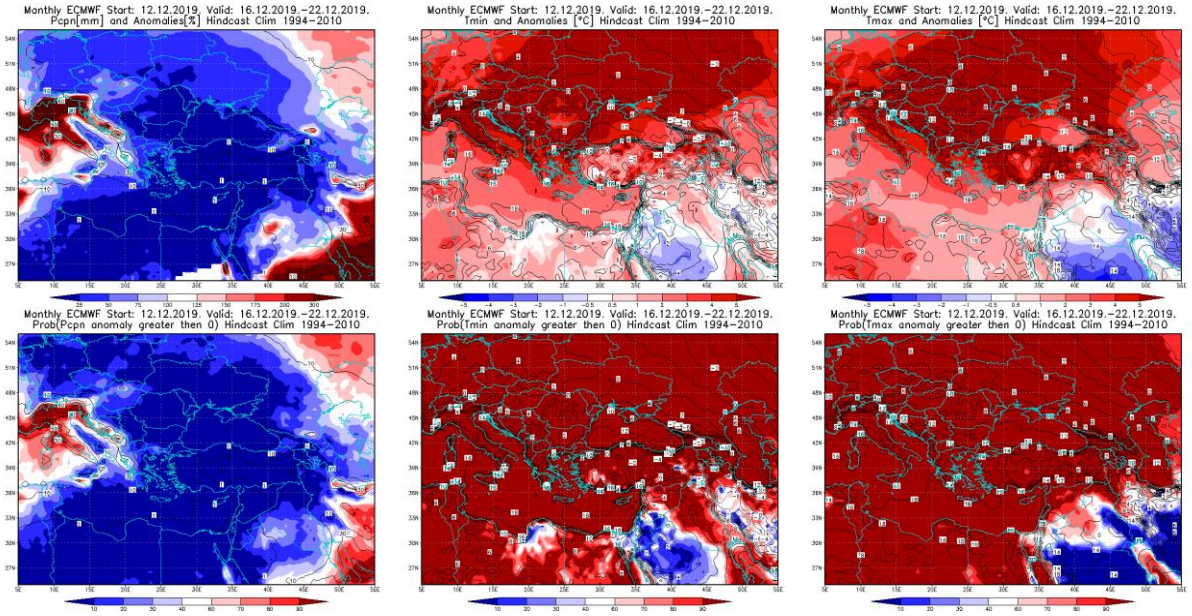


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 16.12 – 22.12.2019 period

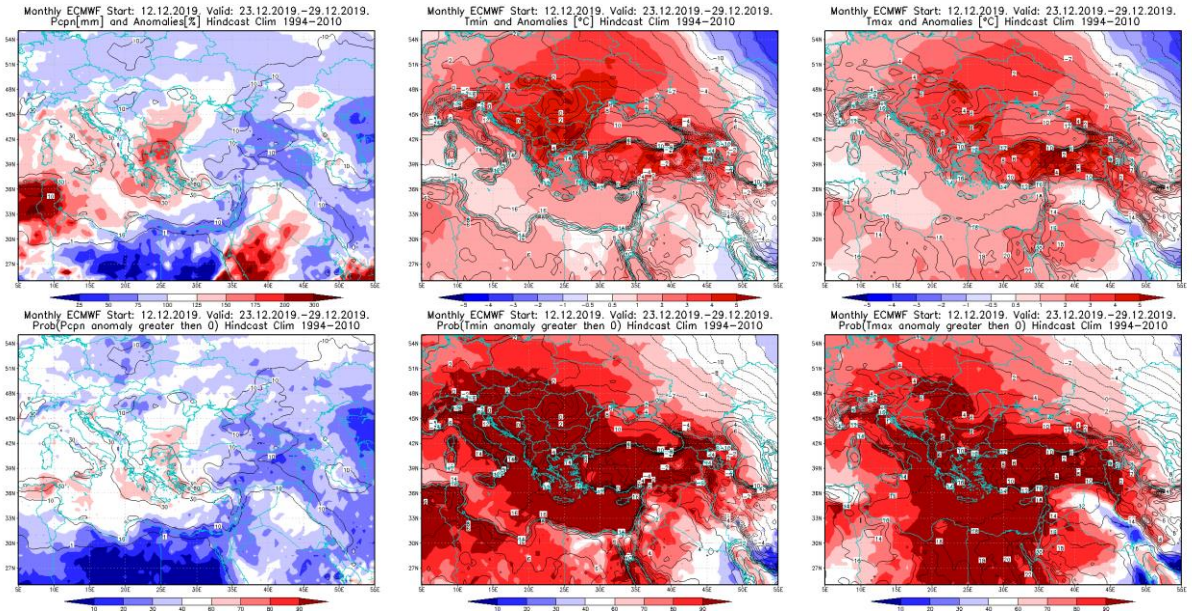


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 23.12 – 29.12.2019 period

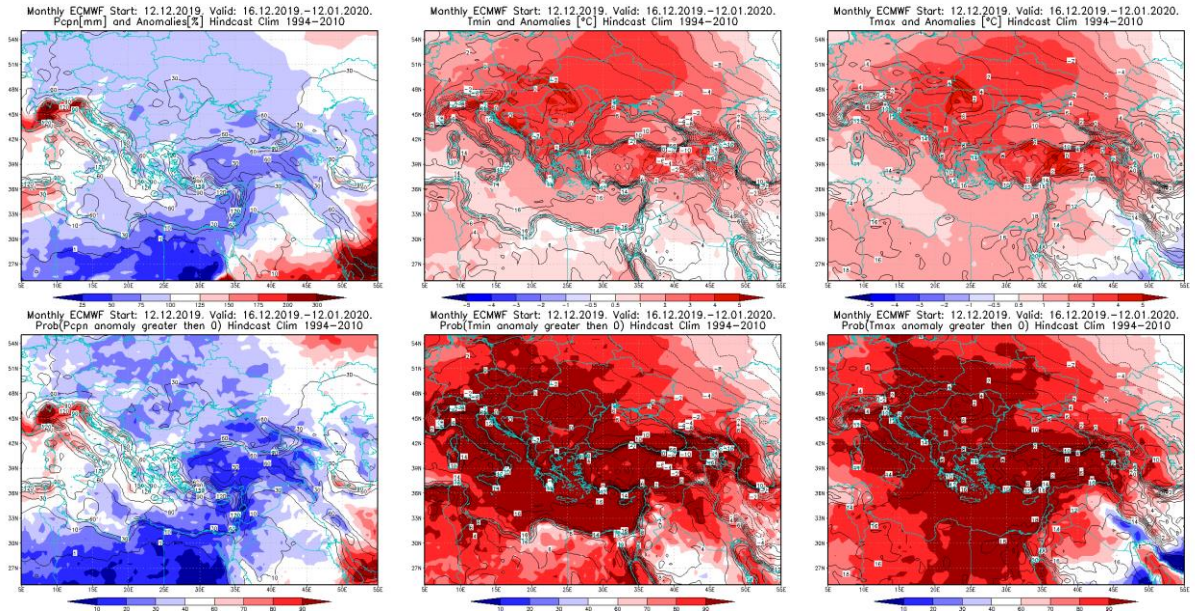


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 16.12.2019 – 12.1. 2020 period

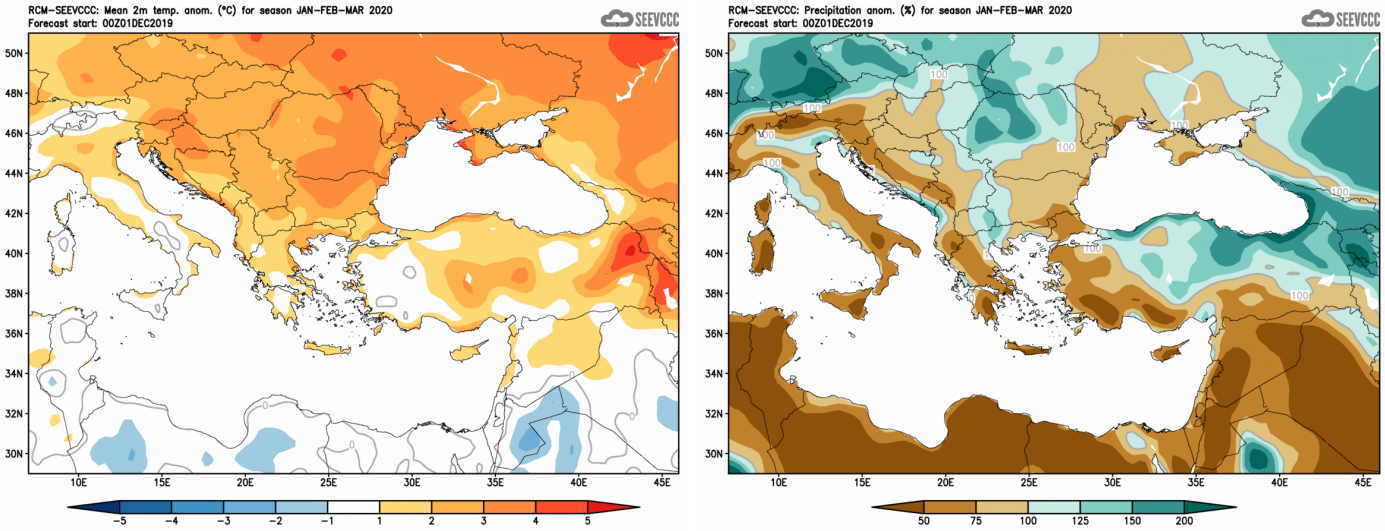


Figure 6. Mean seasonal temperature and precipitation anomaly for the season JFM (seasonal outlook from RCM – SEEVCCC)

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/)