

## Climate Watch (Serial No.: 20191118 – 00)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / 18-11-2019 12:00 P.M.  
Cancelled

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Valid from – to: 18-11-2019 – 29-2-2020 Next amendment: 25-11-2019

Region of concern: **SEE region**

**„In the period from November 18<sup>th</sup> to December 1st 2019, ECMWF monthly forecast predicts above normal mean weekly air temperature in most of the SEE region, with anomaly reaching up to +6 °C. Probability for exceeding upper tercile is 90%. Precipitation deficit is forecasted for most of the region with probability for exceeding lower tercile up to 90% in most parts.”**

### Monitoring

During the period from November 10<sup>th</sup> to 16<sup>th</sup> 2019, above normal air temperature was observed in most of the region, with anomaly reaching up to +6 °C in most parts, in eastern Greece, eastern Bulgaria, most of Romania, in Moldova and Ukraine anomaly reached up to +11 °C. Below normal air temperature, with anomaly up to -1 °C, was registered in some locations in eastern Turkey and central Azerbaijan. Precipitation totals reached 135 mm in some parts of the northwestern Balkans, southern Albania, Republic of Montenegro and western Greece, while some locations in central Balkans, southern Greece and most of Ukraine received up to 50 mm of precipitation. In rest of the region precipitation amounts were below 25 mm.

## **Outlook**

Within the first week (November 18<sup>th</sup> to 24<sup>th</sup> 2019), ECMWF monthly forecast predicts above normal mean weekly air temperature in most of the SEE region, with anomaly in a range from +3 °C in the southern Balkans up to +6 °C in the northeastern Balkans, Romania and westernmost Ukraine. Below normal mean weekly air temperature is forecast for south Caucasus and Middle East, with anomaly around -4 °C. Probability for exceeding upper/lower tercile is 90%. Precipitation surplus is predicted for Carpathian region, most of Greece and along Adriatic Sea coast with around 70% for exceeding upper tercile. Precipitation deficit is forecasted for rest of the region with probability for exceeding lower tercile around 70% in the Balkans and 90% elsewhere.

During the second week (November 25<sup>th</sup> to December 1<sup>st</sup> 2019), above normal mean weekly air temperature is expected in most of the SEE region, with anomaly in a range from +2 °C in western Turkey, eastern Ukraine and the southernmost Balkans up to +5 °C in the central and northern Balkans. Probability for exceeding upper tercile is in a range from around 70% in the eastern and central Balkans up to 90% in the western Balkans. Below normal mean weekly air temperature is forecast for Azerbaijan and part of Jordan, with anomaly around -2 °C and probability for exceeding lower tercile around 80%. Precipitation surplus is expected along Adriatic Sea coast and some location in the eastern Greece, with around 60% probability for exceeding upper tercile. Precipitation deficit is predicted for most of the region, with probability for exceeding lower tercile up to 70% in most parts and around 80% in easternmost Ukraine and northern and eastern Turkey.

In the period from November 18<sup>th</sup> to December 15<sup>th</sup> 2019, above normal mean monthly air temperature is expected in most of the SEE region, with anomaly in a range from +2 °C in most of Turkey, eastern Ukraine and the southern Balkans up to +4 °C in the central and northern Balkans. Probability for exceeding upper tercile is up to 90%. Below normal mean weekly air temperature is forecast for Azerbaijan and Jordan, with anomaly around -2 °C and probability for exceeding lower tercile around 80%. Precipitation surplus is expected along the Adriatic Sea coast, as well as part of eastern Greece, with probability for exceeding upper tercile around 60%. Precipitation deficit is expected in most of the region. Probability for exceeding lower tercile is around 70%.

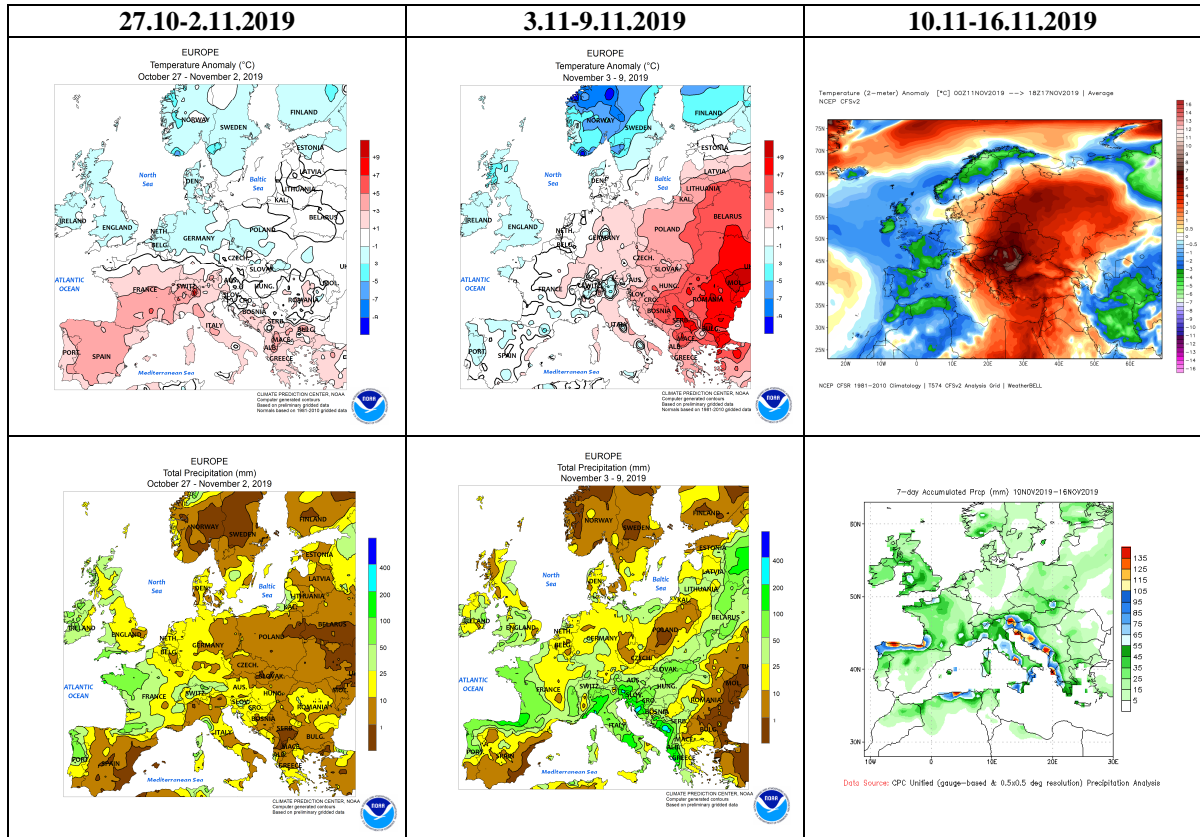
During the following three months (December, January and February) seasonal forecast predicts above normal seasonal air temperature for most of the SEE region. Below normal seasonal air temperature is expected in most of Jordan, while in western, southern and northeastern Turkey, Israel and southern 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, most of western and eastern Balkans, southeastern Moldova, Cyprus, western and part of southern Turkey, Jordan and most of Israel.

## **Update**

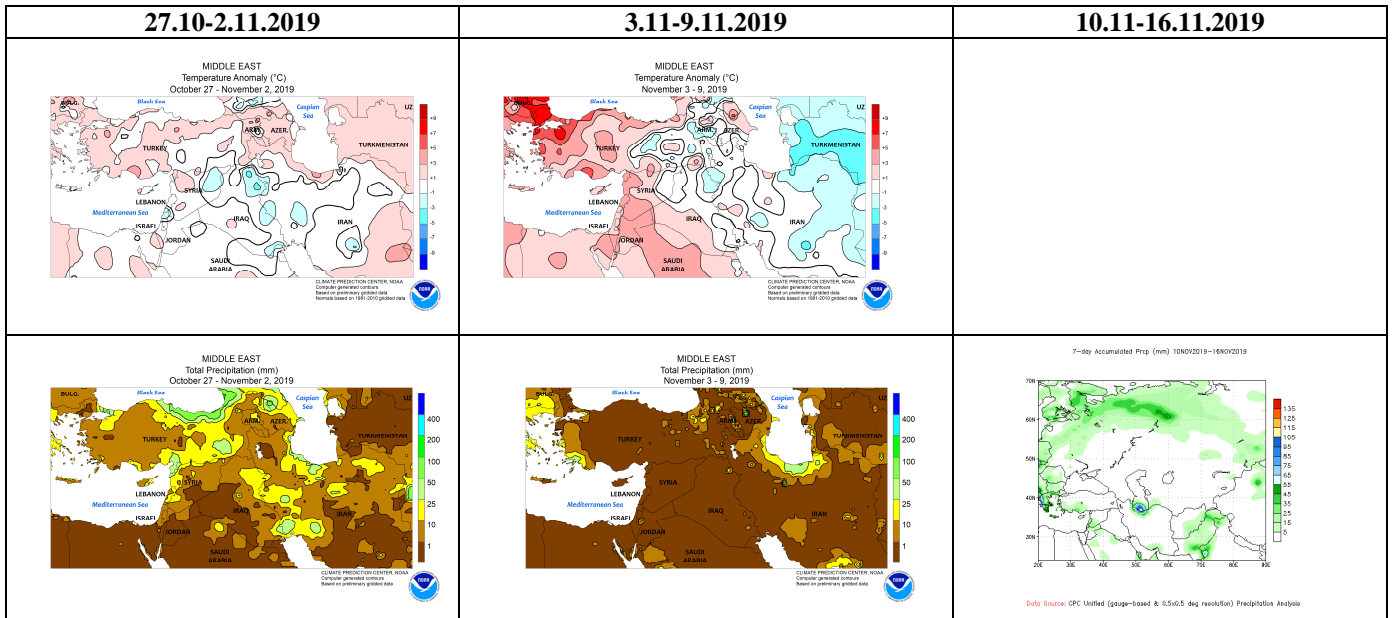
An updated statement will be issued on 25-11-2019

For further information please contact [cws-seevccc@hidmet.gov.rs](mailto:cws-seevccc@hidmet.gov.rs)

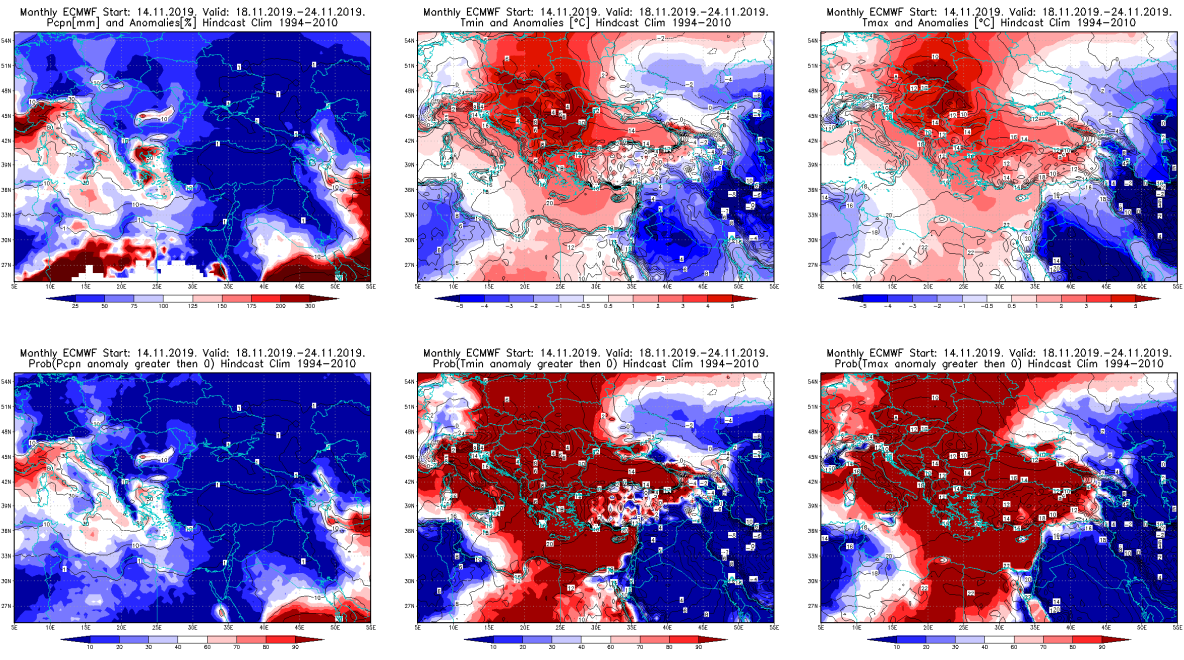
**ANNEX**



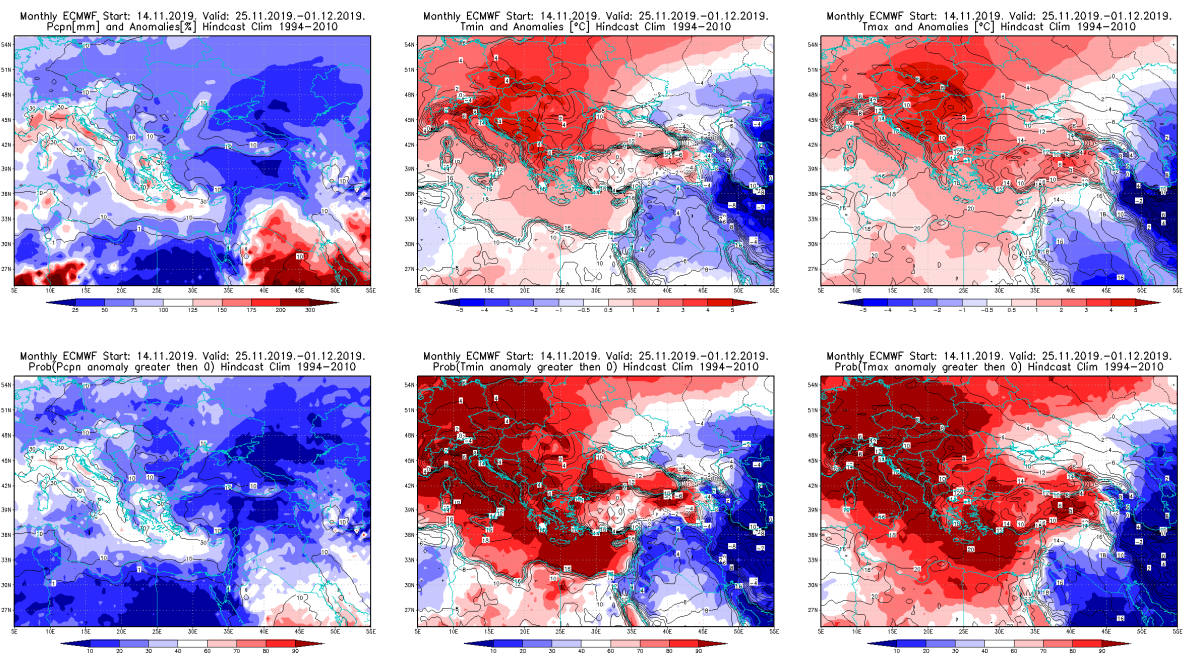
**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



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

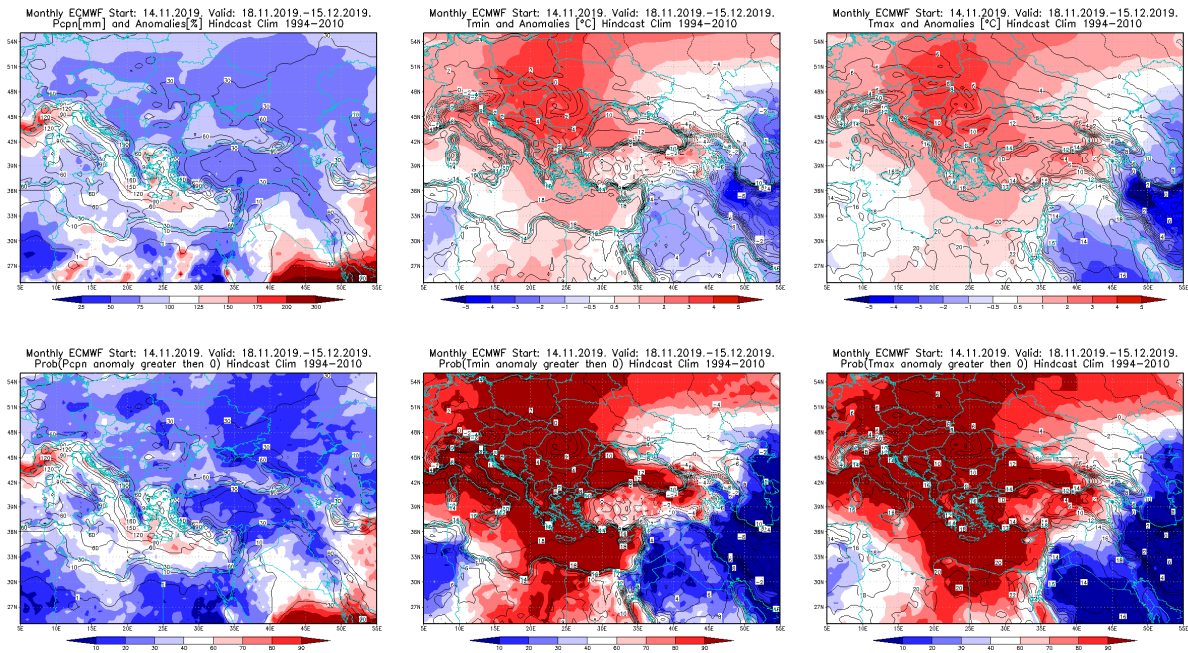


**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 18.11 – 24.11.2019 period

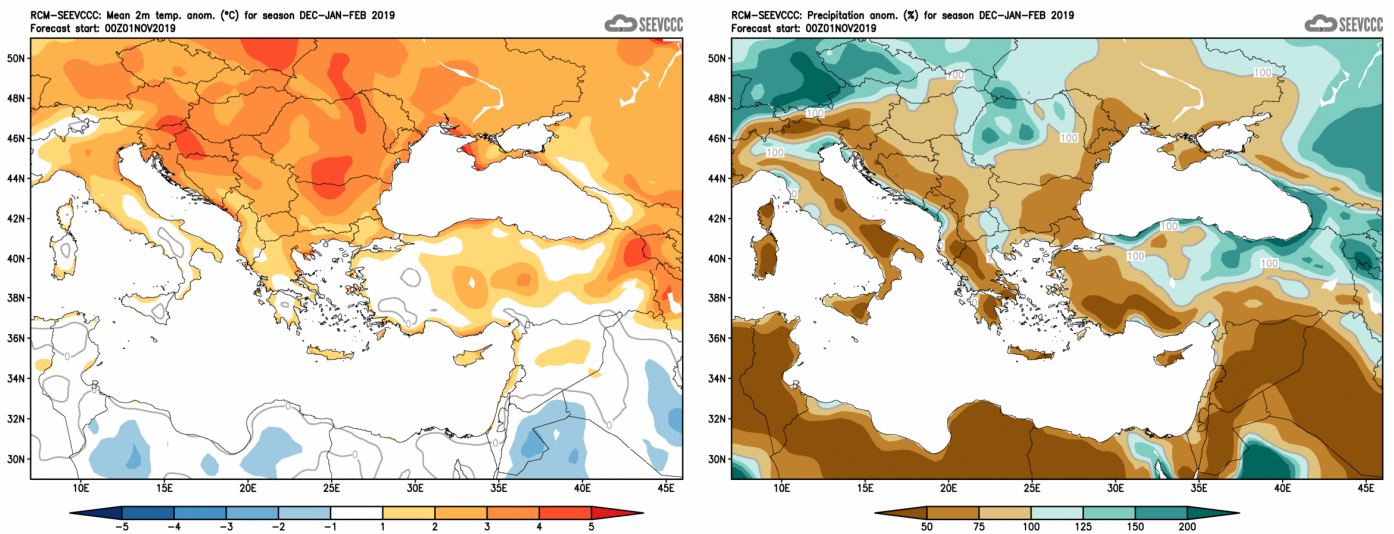


**Figure 4.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 25.11 – 01.12.2019 period





**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 18.11 – 15.12.2019 period



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

## Sources

- Republic Hydrometeorological Service of Serbia ([www.hidmet.gov.rs](http://www.hidmet.gov.rs))
- South East European Virtual Climate Change Center ([www.seevccc.rs](http://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/>)