

## Climate Watch (Serial No.: 20181126 – 00)

Initial/Updated/Final

Topic: **temperature** and **precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 26-11-2018 12:00 P.M.

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Valid from – to: 26-11-2018 – 31-01-2019 Next amendment: 3-12-2018

Region of concern: **SEE region**

„In the period from November 26<sup>th</sup> to December 2<sup>nd</sup> 2018, ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly around -3°C, in most of the Balkans, and anomaly up to -5°C in the eastern Balkans, Moldova and Ukraine. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected in most of the SEE region, while in eastern and southern Balkans as well as Turkey probability for exceeding upper tercile is up to 90%.“

### Monitoring

In the period from November 18<sup>th</sup> to 24<sup>th</sup> 2018, above normal air temperature was registered in most of the southern Balkans, Cyprus, northern Romania, most of Turkey and south Caucasus, with anomaly reaching up to +3°C, and in western and central Turkey with anomaly reaching up to +5°C. Below normal air temperature was recorded in most of the central Balkans, parts of the eastern and southern Balkans, with anomaly up to -3°C. In Moldova, Ukraine and eastern Romania temperature anomaly reached up to -5°C. Precipitation totals were below 25 mm in most of the region. Coastal areas of the southwestern Greece, most of the southwestern Balkans, south and northeastern coasts of the Black Sea, as well as western Turkey, received up to 100 mm of precipitation.

## Outlook

Within the first week (November 26<sup>th</sup> to December 2<sup>nd</sup> 2018), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly around -3°C, in most of Balkans, and up to -5°C in the eastern Balkans, Moldova and Ukraine. Probability for exceeding lower tercile is up to 90%. Above normal mean weekly air temperature, with anomaly up to +3°C, is forecasted for the remainder of the region with around 80% probability for exceeding upper tercile. Precipitation surplus is expected in most of the SEE region, while in eastern and southern Balkans as well as Turkey probability for exceeding upper tercile is up to 90%. Precipitation deficit is expected in northern Ukraine and area of the Aegean Sea, with around 70% probability for exceeding lower tercile in northernmost Ukraine.

During the second week (December 3<sup>rd</sup> to 9<sup>th</sup> 2018), below normal mean weekly air temperature is predicted for most of the region, with anomaly around -3°C, and in the eastern Balkans, Moldova and Ukraine up to -5°C. Probability for exceeding lower tercile is around 80%. Above normal mean weekly air temperature, with anomaly up to +2°C, is forecasted for the southern part of Turkey, with up to 70% probability for exceeding upper tercile. Precipitation surplus is expected in most of Turkey, South Caucasus and Middle East with up to 70% probability for exceeding upper tercile. Precipitation deficit is expected in the area of the Adriatic Sea with low probability.

In the period from November 26<sup>th</sup> to December 23<sup>rd</sup> 2018, below normal mean monthly air temperature is predicted for most of the Balkans, with anomaly up to -3°C, and in Ukraine, Moldova, eastern Romania and Bulgaria with anomaly up to -4°C. Probability for exceeding lower tercile is up to 90% in Ukraine, Moldova, most of Bulgaria and Romania. Above normal mean monthly air temperature, with anomaly up to +1°C, is forecasted for northernmost part of Turkey, with low probability. Precipitation surplus is expected in parts of the southern Balkans, south Caucasus, Turkey and Middle East, with around 80% probability for exceeding upper tercile.

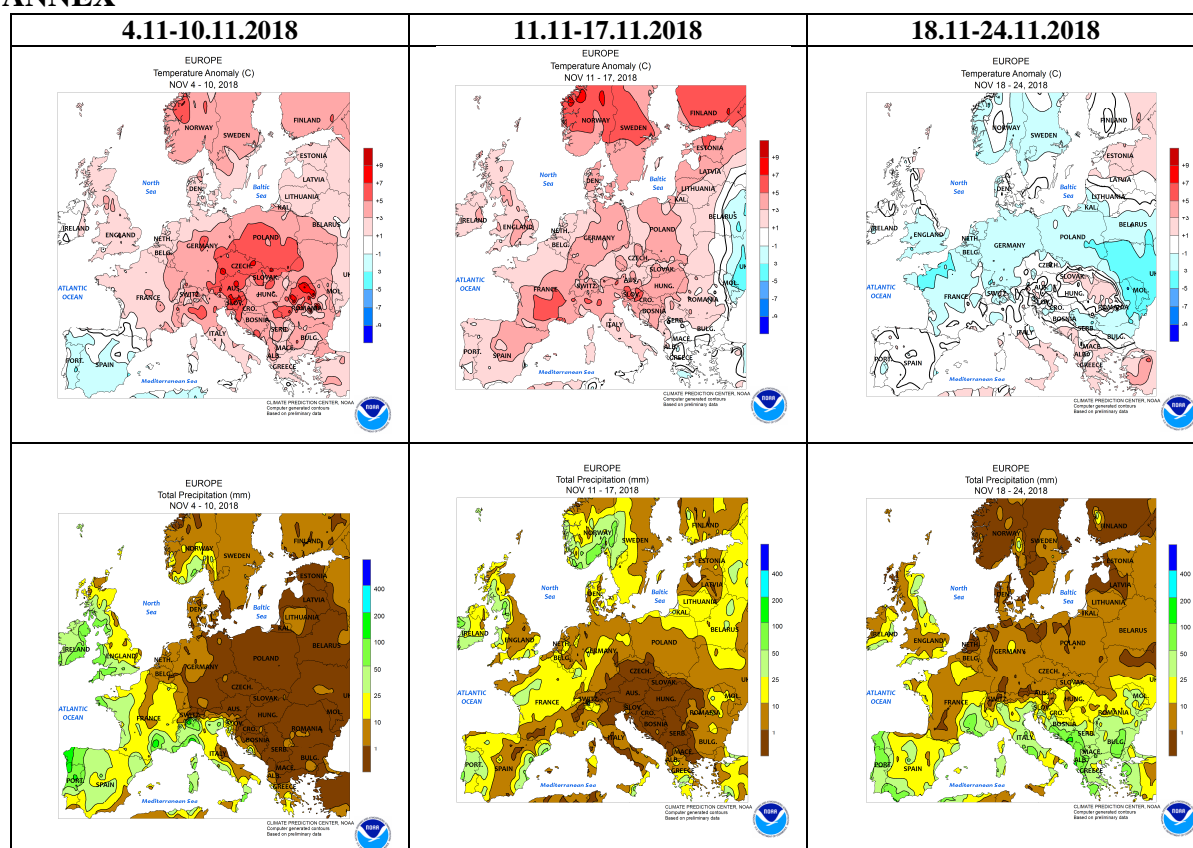
During the following three months (November, December and January) seasonal forecast predicts above normal seasonal air temperature for most of the Balkans, Romania, Ukraine, south Caucasus and some locations in central and eastern Turkey. Precipitation surplus is predicted for the Carpathian region, most of South Caucasus, southwestern Ukraine, northernmost and southernmost Turkey and along the Adriatic Sea. Precipitation deficit is expected in most of the western and southern Balkans, western and southwestern Turkey, Cyprus and Jordan.

## Update

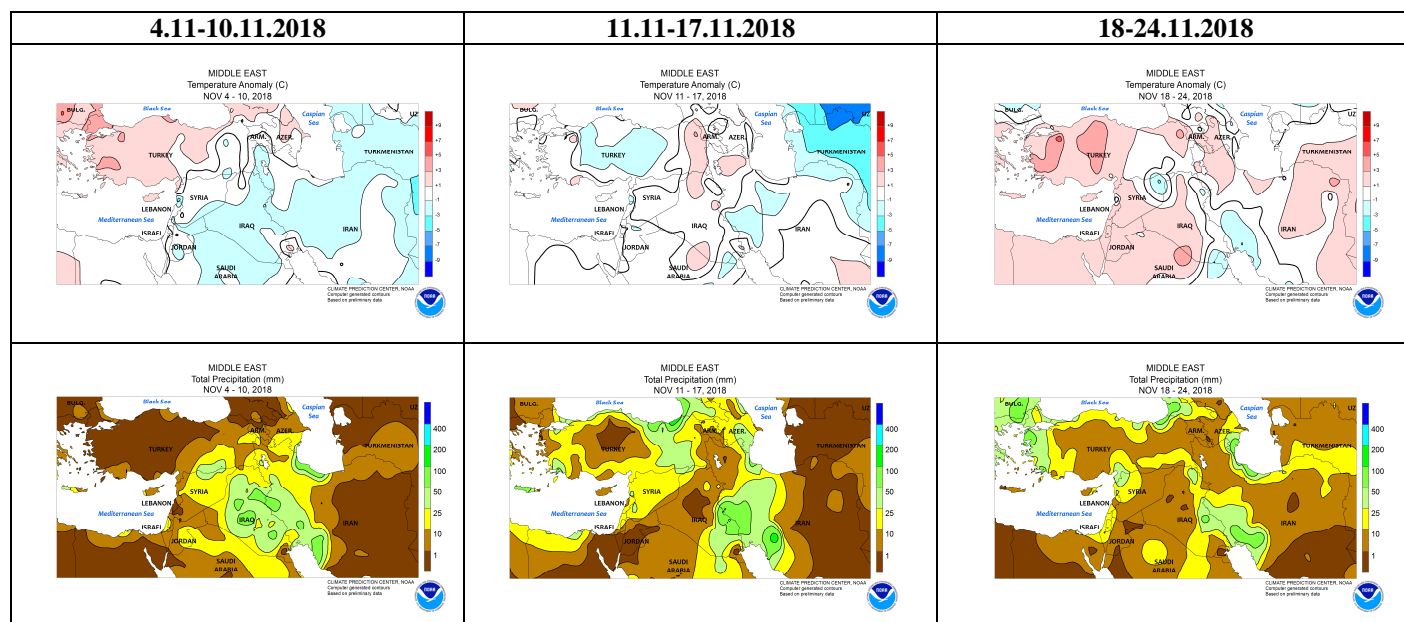
An updated statement will be issued on 3-12-2018

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

## ANNEX

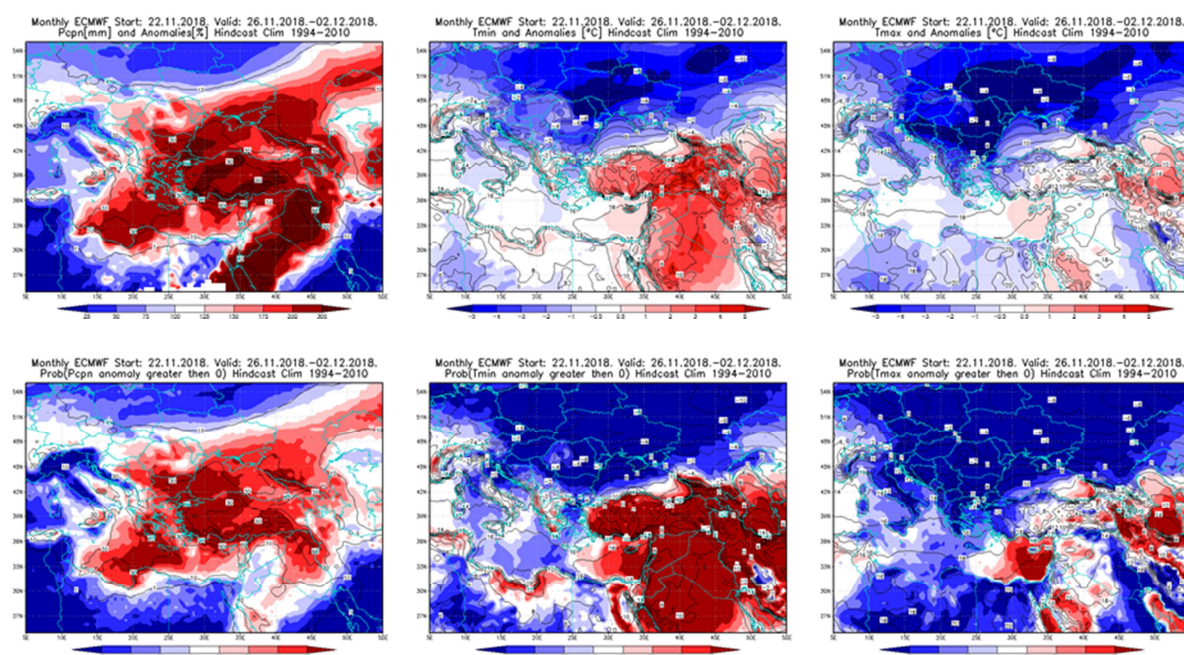


**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

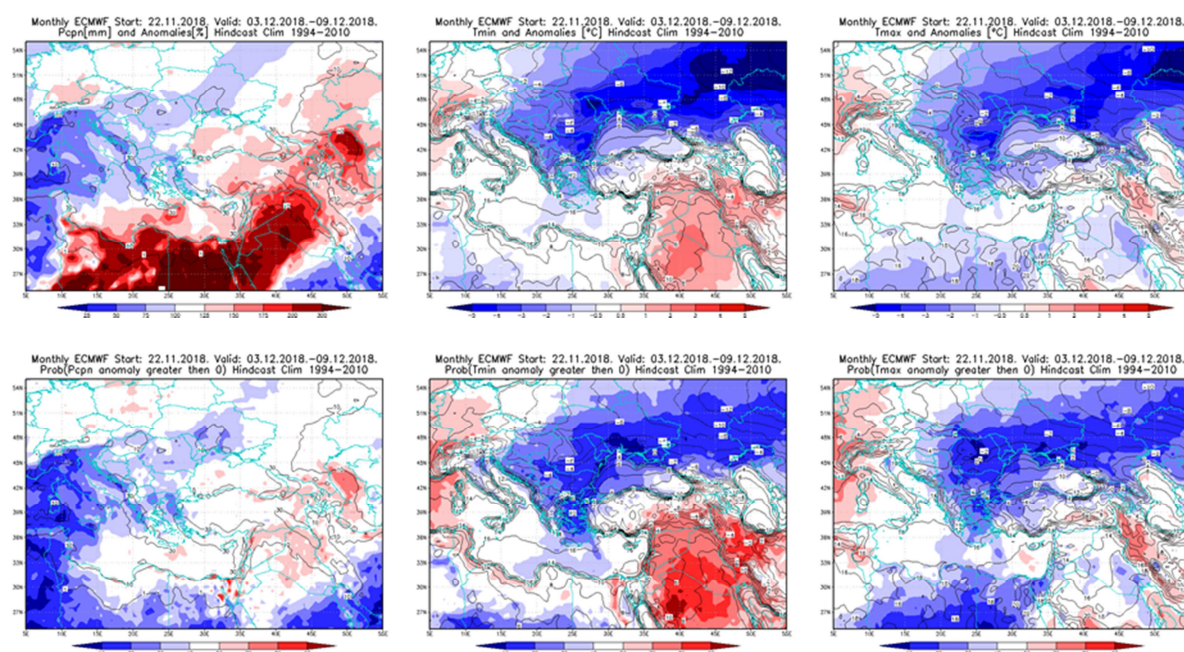


**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



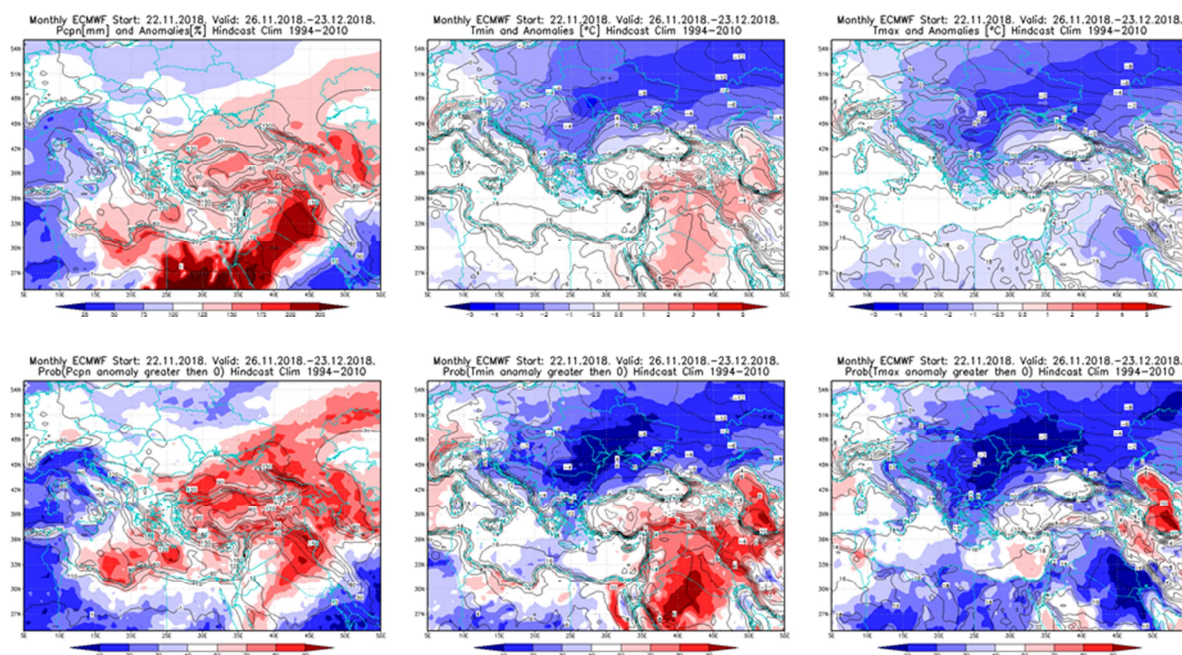


**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 26.11 - 2.12.2018 period

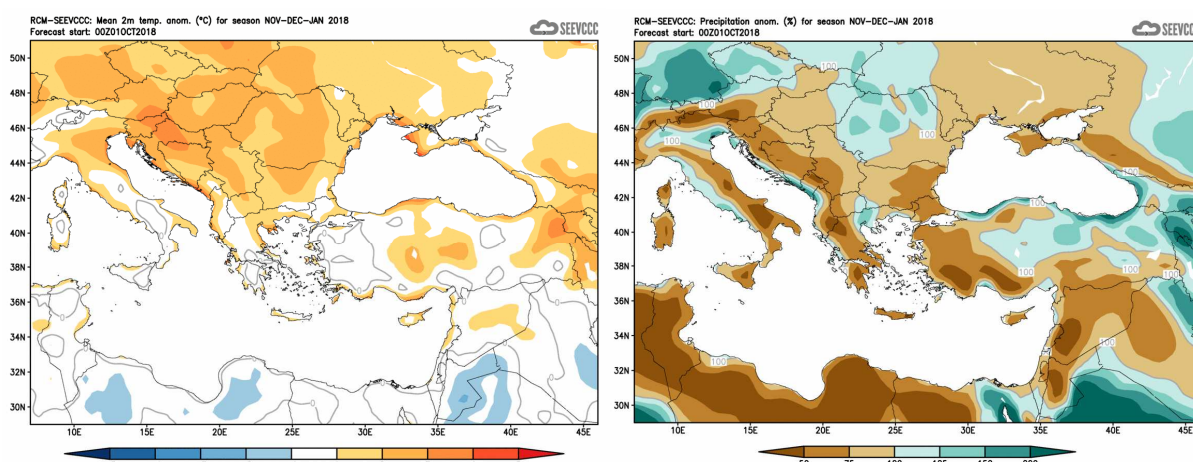


**Figure 4.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 3.12 – 9.12.2018 period





**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 26.11 – 23.12.2018 period



**Figure 6.** Mean seasonal temperature and precipitation anomaly for the season NDJ (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/>)