

## Climate Watch (Serial No.: 20181210 – 00)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing  
the statement: SEEVCCC

Issued/ Amended / 10-12-2018 12:00 P.M.  
Cancelled

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Valid from – to: 10-12-2018 – 28-2-2019 Next amendment: 17-12-2018

Region of concern: **SEE region**

**„In the period from December 10<sup>th</sup> to 16<sup>th</sup> 2018, ECMWF monthly forecast predicts precipitation surplus in central and eastern parts of the Balkans, Moldova, Ukraine, Turkey and South Caucasus, with around 80% probability for exceeding upper tercile.”**

### Monitoring

In the period from December 2<sup>nd</sup> to 8<sup>th</sup> 2018, above normal air temperature was registered in the most of Turkey and South Caucasus, with anomaly reaching up to +5°C, at some locations even up to +7°C. Below normal air temperature was recorded in the eastern Balkans with anomaly up to -7°C. Precipitation totals reached up to 25 mm in most of the region. Croatia and Bosnia and Herzegovina received up to 100 mm of precipitation while southern and part of northeastern Turkey received up to 200 mm of precipitation.

## **Outlook**

Within the first week (December 10<sup>th</sup> to 16<sup>th</sup> 2018), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +3°C, in eastern Turkey, and with temperature anomaly up to +4°C in South Caucasus region. Probability for exceeding upper tercile is around 60%, and in South Caucasus up to 90%. Below normal mean weekly air temperature, with anomaly up to -2°C, is forecasted for Bosnia and Herzegovina and Montenegro. Probability for exceeding lower tercile is around 60%. Precipitation surplus is expected in central and eastern parts of the Balkans, Moldova, Ukraine, Turkey and South Caucasus, with around 80% probability for exceeding upper tercile.

During the second week (December 17<sup>th</sup> to 23<sup>rd</sup> 2018), above normal mean weekly air temperature, with anomaly up to +4°C, is forecasted for most of the region. Probability for exceeding upper tercile is around 80%. Average precipitation is expected in most of the region. Precipitation surplus is expected in westernmost of the Balkans, along the coast of the Adriatic, with around 70% probability for exceeding upper tercile.

In the period from December 10<sup>th</sup> to January 6<sup>th</sup> 2018, above normal mean monthly air temperature is predicted for most of the region, with anomaly up to +3°C, and probability for exceeding upper tercile around 60%. Average precipitation is expected in most of the region. Precipitation surplus is expected in southeastern Turkey with around 70% probability for exceeding upper tercile.

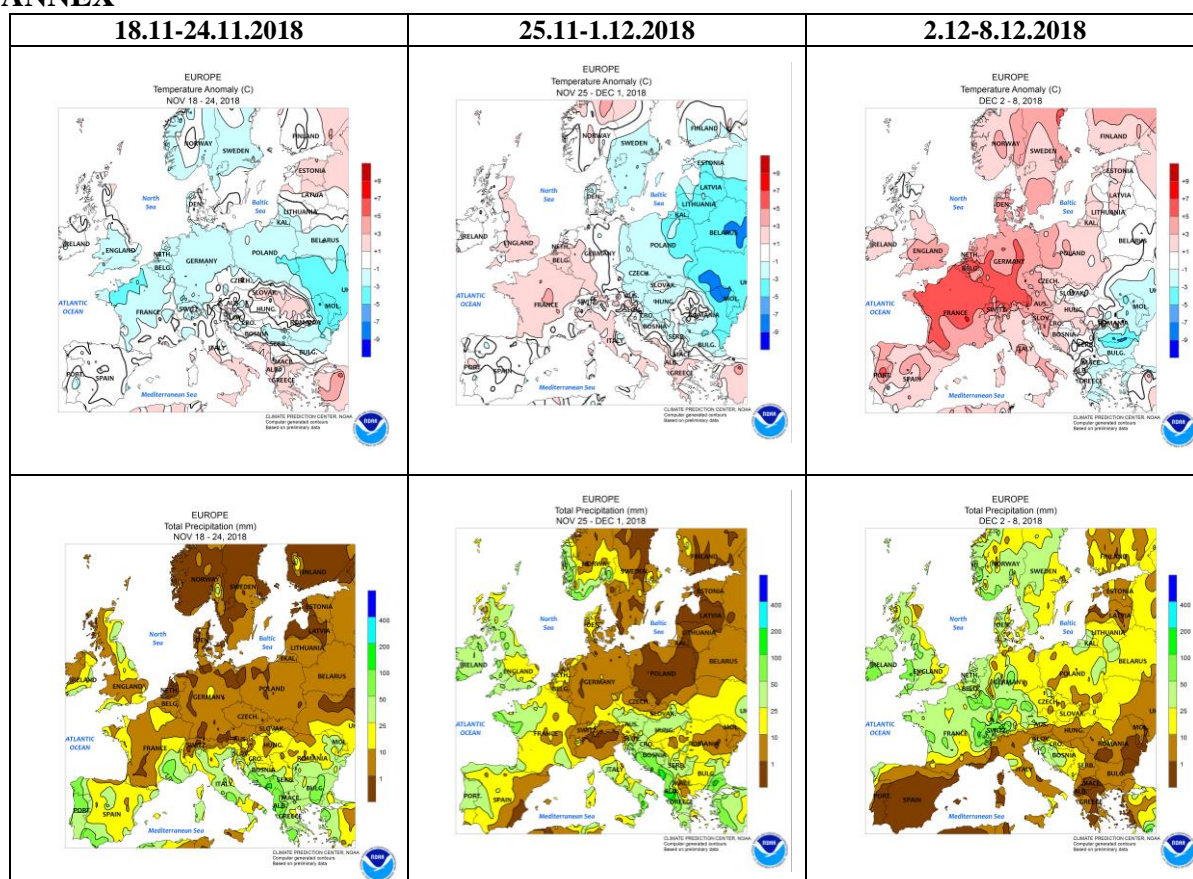
During the following three months (December, January and February) seasonal forecast predicts above normal seasonal air temperature for most of the Balkans, Romania, Moldova, Ukraine, south Caucasus and some locations in central and eastern Turkey. Precipitation surplus is predicted for the Carpathian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

## **Update**

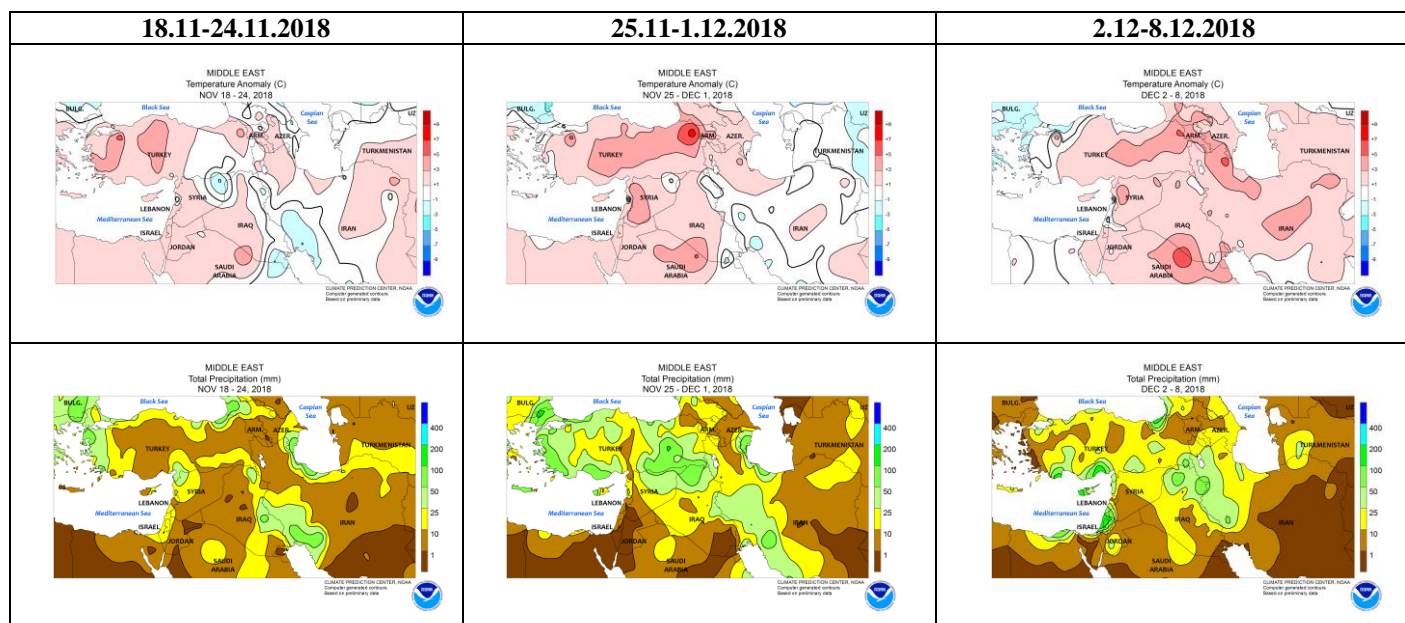
An updated statement will be issued on 17-12-2018

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

## ANNEX

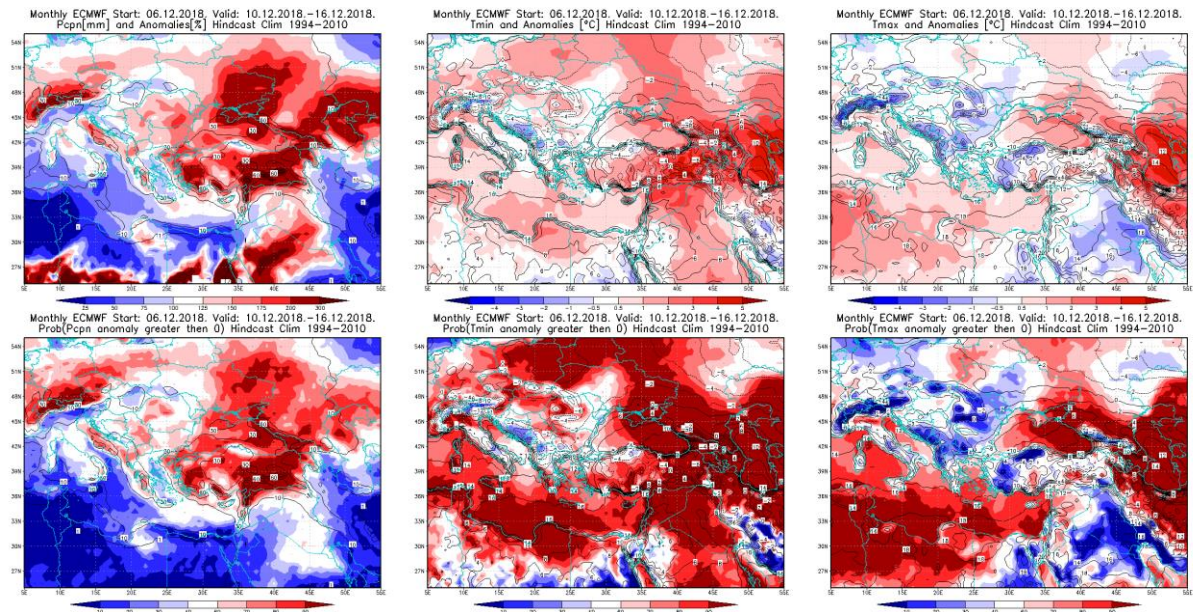


**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

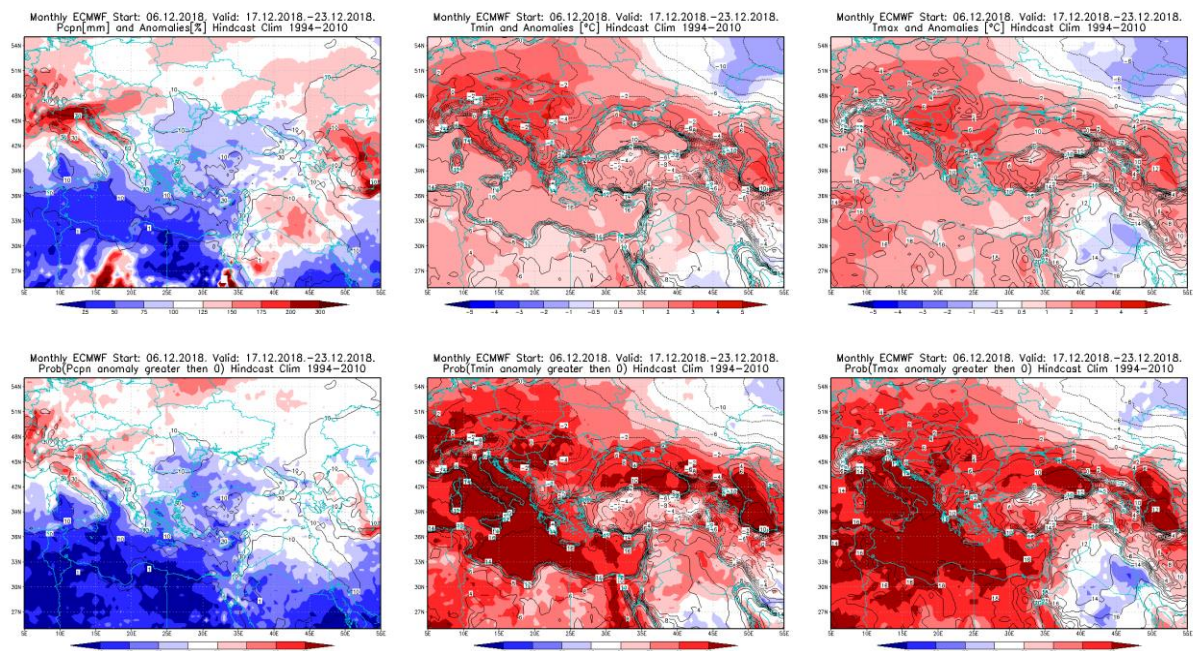


**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



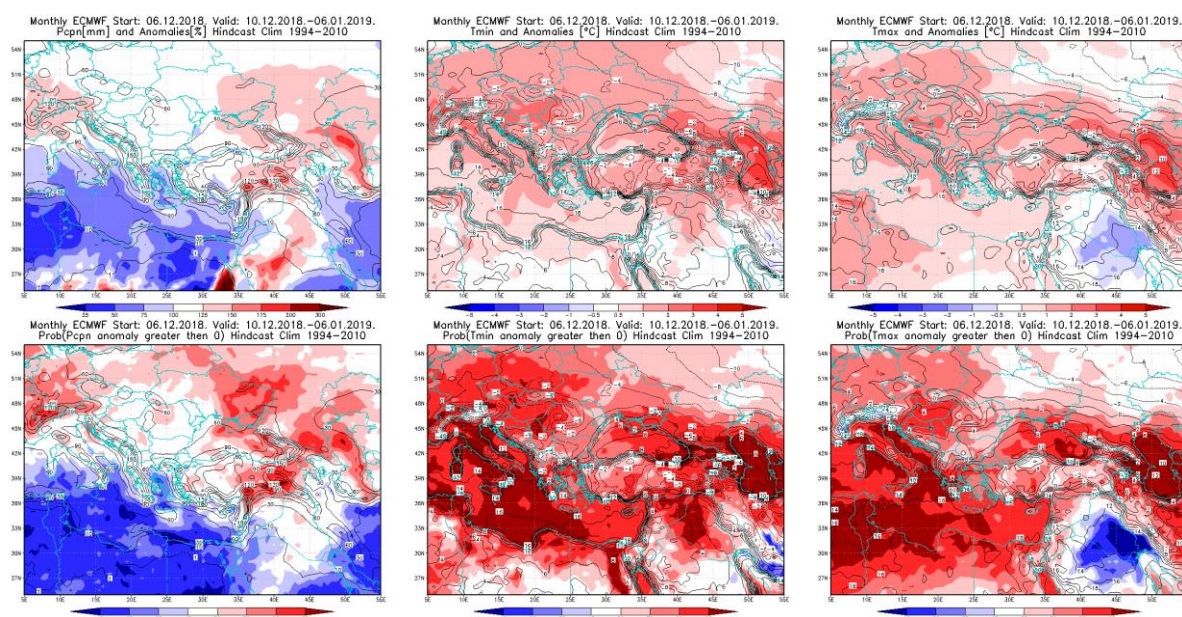


**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 10.12 - 16.12.2018 period

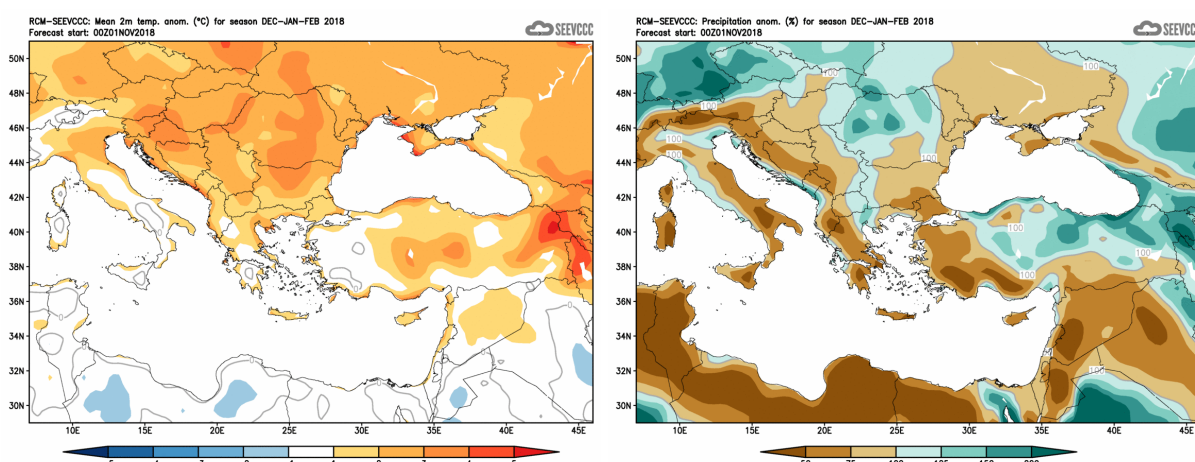


**Figure 4.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 17.12 – 23.12.2018 period





**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 10.12 – 6.1.2018 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/>)