

## Climate Watch (Serial No.: 20190422 – 00)

Initial/Updated/Final

Topic: **temperature**

Organization issuing  
the statement: SEEVCCC

Issued/ Amended / 22-4-2019 12:00 P.M.  
Cancelled

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Valid from – to: 22-4 – 31-7-2019 Next amendment: 29-4-2019

Region of concern: **Turkey, south Caucasus, Middle East**

**„In the period from April 22<sup>nd</sup> to 28<sup>th</sup> 2019, ECMWF monthly forecast predicts below normal mean weekly air temperature in most of Turkey, Cyprus, Middle East, south Caucasus, eastern Romania and easternmost Bulgaria, with anomaly in a range from -2°C in the eastern Balkans and central Turkey up to -6°C in easternmost Turkey, Armenia and southwestern and northern Azerbaijan. Probability for exceeding upper/lower tercile is around 90%. Precipitation deficit is forecasted for most of the region, except for parts of the central and western Balkans. Probability for exceeding lower tercile is around 80%.”**

### Monitoring

In the period from April 14<sup>th</sup> to 20<sup>th</sup> 2019, above normal air temperature was registered in the southwestern part of Balkans, with anomaly reaching up to +3°C. Below normal air temperature was observed in most of Turkey, Moldova, Ukraine, Romania, Jordan and the eastern and southeastern parts of Balkans, with anomaly reaching up to -3°C, while in some locations in western Turkey anomaly reached up to -5°C. Precipitation totals ranging from 50 up to 100 mm were recorded in most of south Caucasus region, eastern Turkey, southern Ukraine and southeastern part of Greece. In rest of the region weekly precipitation sums were below 25 mm.

## **Outlook**

Within the first week (April 22<sup>nd</sup> to 28<sup>th</sup> 2019), ECMWF monthly forecast predicts above normal mean weekly air temperature in most of the Balkans, northwestern Romania and northern Ukraine, with anomaly up to +3°C. Below normal mean weekly air temperature is expected in most of Turkey, Cyprus, Middle East, south Caucasus, eastern Romania and easternmost Bulgaria, with anomaly in a range from -2°C in the eastern Balkans and central Turkey up to -6°C in easternmost Turkey, Armenia and southwestern and northern Azerbaijan. Probability for exceeding upper/lower tercile is around 90%. Precipitation deficit is forecasted for most of the region, except for parts of the central and western Balkans. Probability for exceeding lower tercile is around 80%.

During the second week (April 29<sup>th</sup> to May 5<sup>th</sup> 2019), above normal mean weekly air temperature, with anomaly up to +3°C is expected in most of the Balkans, Romania, Moldova, western Ukraine, western Turkey and Israel. Probability for exceeding upper tercile is around 70% in the Balkans. Below normal mean weekly air temperature, with anomaly up to -3°C, is predicted for eastern Turkey and south Caucasus. Probability for exceeding lower tercile is around 80%. Precipitation surplus is predicted for southeastern Turkey and Middle East, with probability for exceeding upper tercile up to 70%. Precipitation deficit is forecasted for eastern Mediterranean, Aegean Sea, Moldova, eastern Romania and most of Ukraine, with around 60% probability for exceeding lower tercile.

In the period from April 22<sup>nd</sup> to May 19<sup>th</sup> 2019, above normal mean weekly air temperature, with anomaly up to +2°C is expected in most of the Balkans, Ukraine, Moldova and western Turkey, with probability for exceeding upper tercile up to 80%. Below normal mean weekly air temperature, with anomaly up to -3°C is expected in central and eastern Turkey and south Caucasus. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is forecasted for southeastern Turkey and Middle East, with around 80% probability for exceeding upper tercile. Precipitation deficit is expected in most of Ukraine and Moldova, with probability for exceeding lower tercile up to 70%.

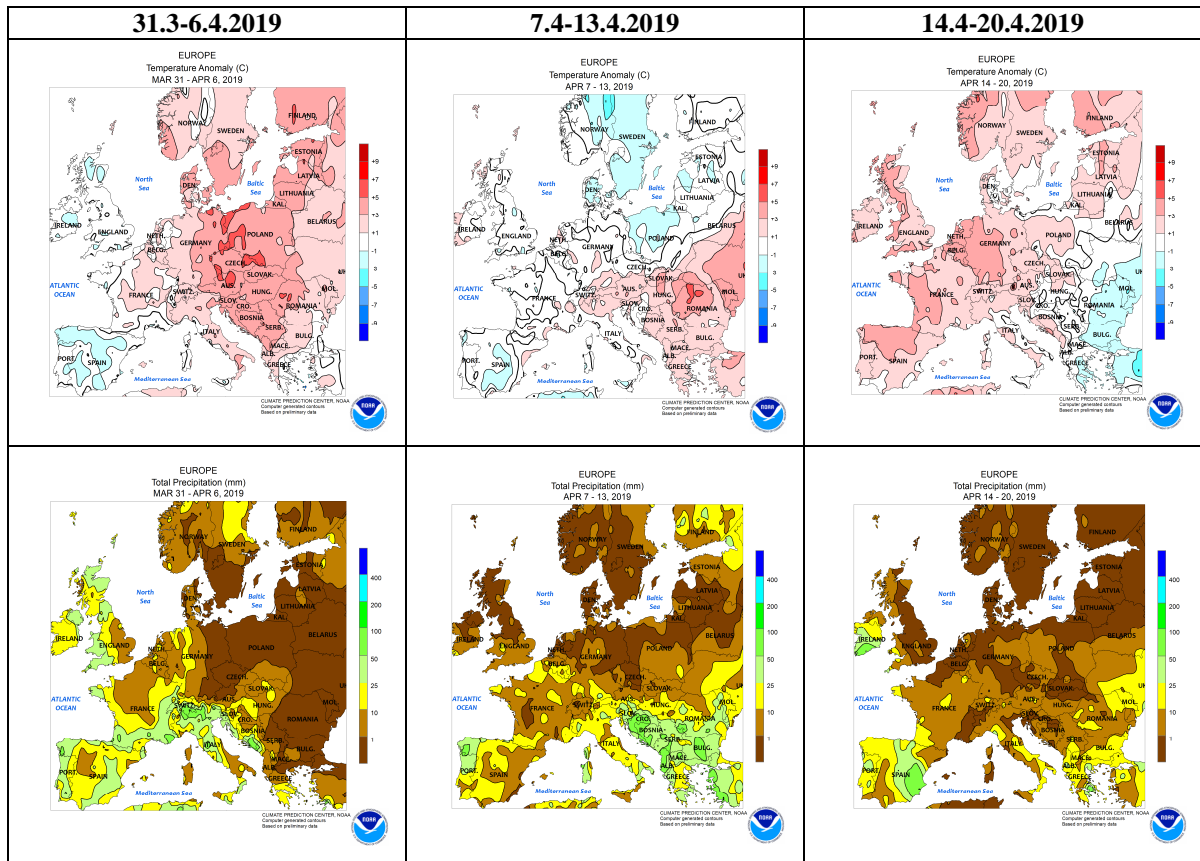
During the following three months (May, June and July) seasonal forecast predicts above normal seasonal air temperature for the Balkans, central and eastern Turkey, southern Moldova and most of Ukraine. Precipitation surplus is predicted for the Carpathian region, most of South Caucasus, eastern Turkey, Israel and Jordan. Precipitation deficit is expected in most of the Balkans, most of Ukraine, southern Moldova, western and some parts of southern Turkey and Cyprus.

## **Update**

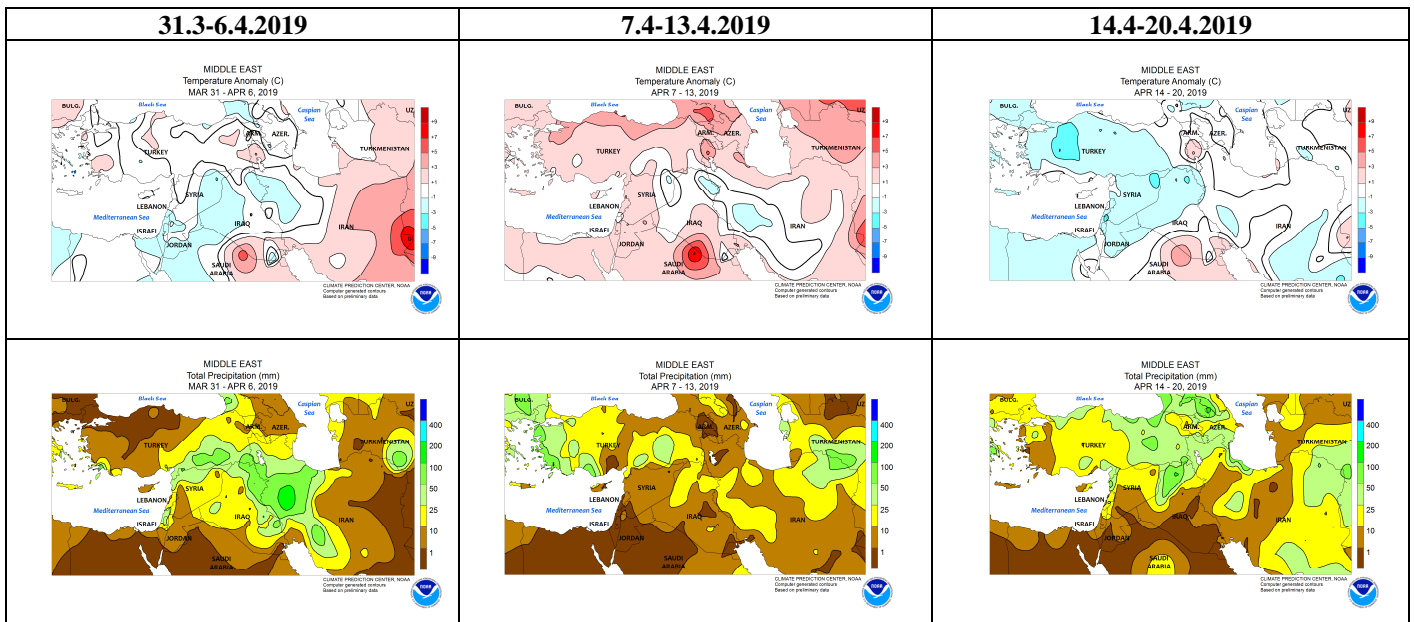
An updated statement will be issued on 29-4-2019

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

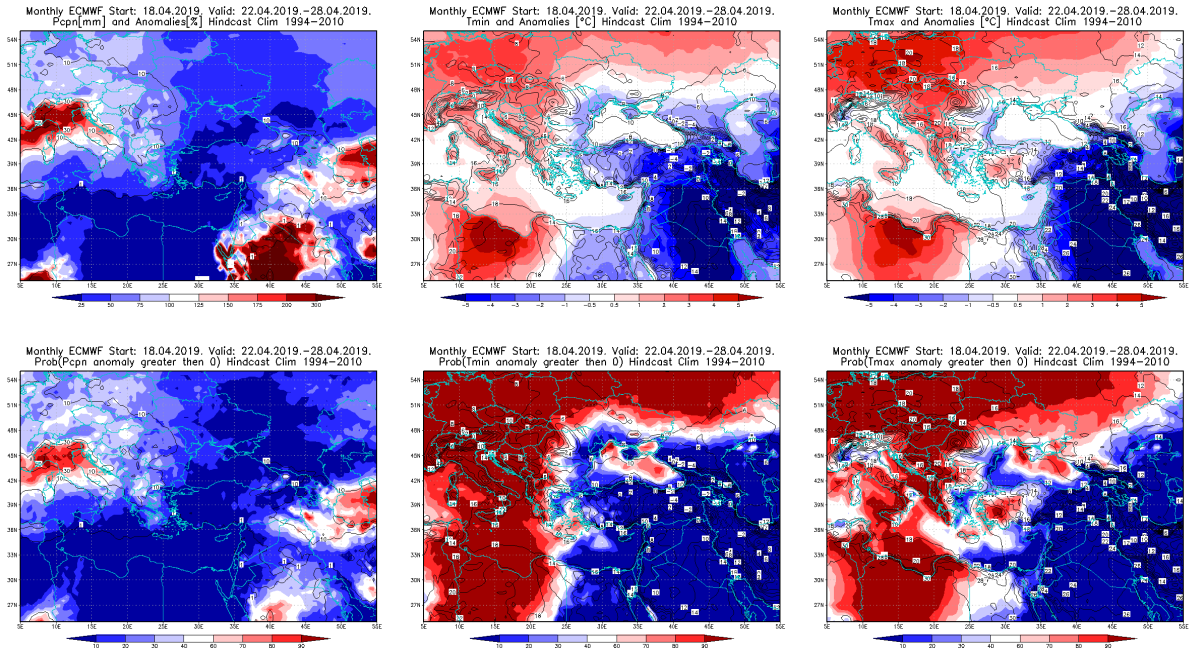
# ANNEX



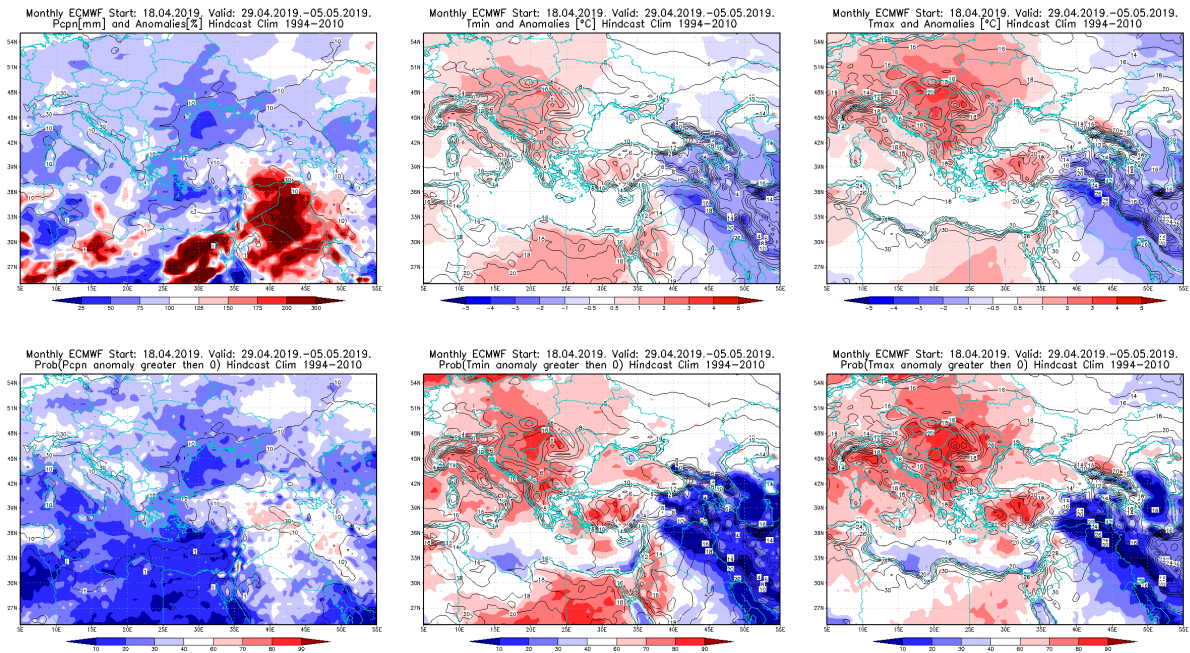
**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



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

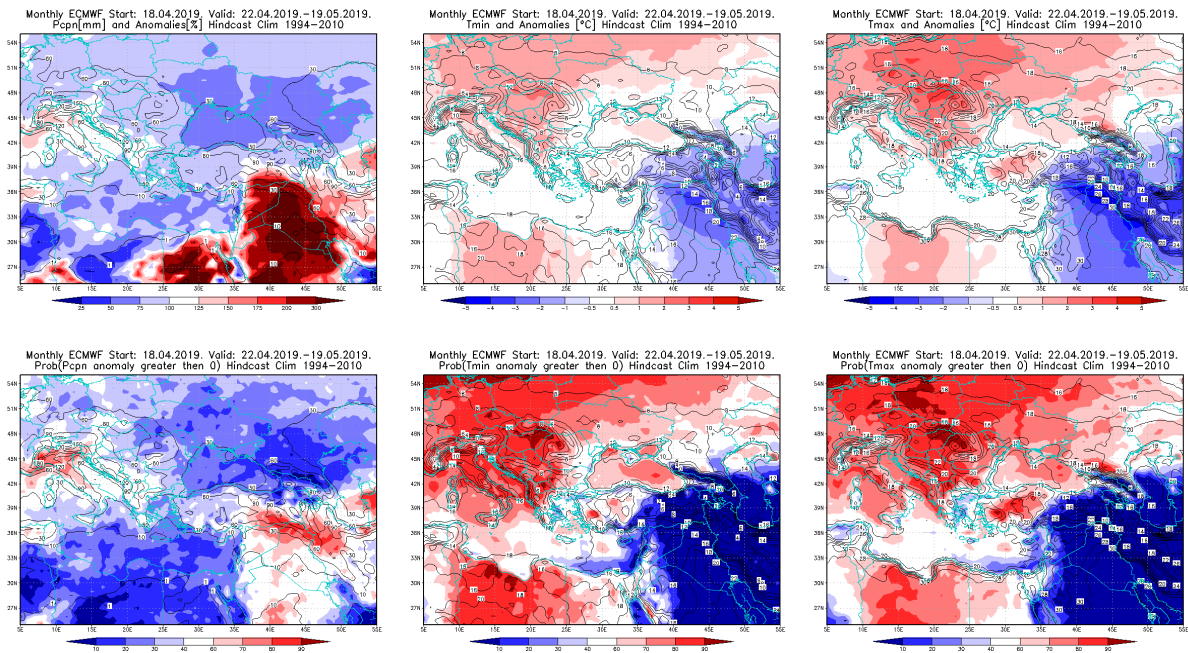


**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 22.4 – 28.4.2019 period

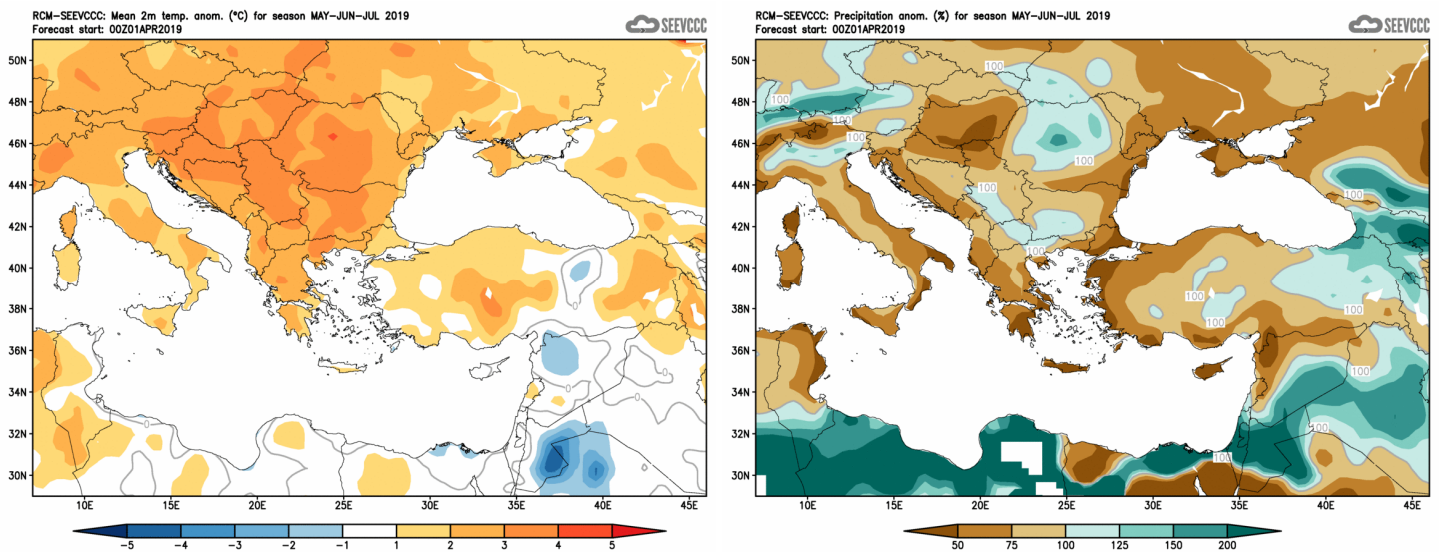


**Figure 4.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 29.4 – 5.5.2019 period





**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 22.4 – 19.5.2019 period



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