

## Climate Watch (Serial No.: 20200504 – 18)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 4-5-2020 12:00 P.M.

Contact: E-mail: [cws-seevccc@hidmet.gov.rs](mailto:cws-seevccc@hidmet.gov.rs)  
Phone: +381112066925  
Fax: +381112066929

Valid from – to: 4-5-2020 – 31-7-2020 Next amendment: 11-5-2020

Region of concern: **the Balkans, Ukraine, Cyprus, Turkey and Middle East**

**„In the period from May 4th to 10th 2020, below normal mean weekly air temperature is expected for most of the Balkans, western Ukraine, Cyprus, Turkey and Middle East, with anomaly up to -4°C. Probability for exceeding lower tercile is around 80% for the Balkans and Ukraine, and even more than 90% for Cyprus, Turkey and Middle East. Precipitation surplus is predicted for the Aegean Sea, central and eastern Ukraine, as well as Cyprus, western and central Turkey. Probability for exceeding upper tercile is up to 90%.“**

### Monitoring

During the period from April 26<sup>th</sup> to May 3<sup>rd</sup> 2020, above normal air temperature was observed in Moldova, Ukraine, most of the Balkans and northwestern Turkey, with anomaly up to +3°C. Below normal air temperature was registered in the southwestern Balkans, Cyprus, southern and western Turkey, as well as South Caucasus and Middle East, with anomaly up to -2°C. Almost the entire SEE region received up to 25 mm of precipitation. Precipitation sums reached up to 50 mm in central Ukraine and Moldova, as well as some parts of western Balkans, central and eastern Turkey.

## **Outlook**

Within the first week (May 4<sup>th</sup> to 10<sup>th</sup> 2020), ECMWF monthly forecast predicts below normal mean weekly air temperature for most of the Balkans, western Ukraine, Cyprus, Turkey and Middle East, with anomaly up to -4°C. Probability for exceeding lower tercile is around 80% for the Balkans and Ukraine, and even more than 90% for Cyprus, Turkey and Middle East. Above normal mean weekly air temperature is predicted for Azerbaijan, with anomaly up to +2°C and probability for exceeding upper tercile up to 90%. Precipitation surplus is predicted for the Aegean Sea, central and eastern Ukraine, as well as Cyprus, western and central Turkey. Probability for exceeding upper tercile is up to 90%.

During the second week (May 11<sup>th</sup> to 17<sup>th</sup> 2020), above normal mean weekly air temperature is expected in most of the Balkans, Cyprus, Turkey and Middle East, with anomaly up to +4°C and around 80% probability for exceeding upper tercile. Precipitation deficit is expected in southern Balkans, Cyprus, Turkey and Middle East, with up to 70% probability for exceeding lower tercile.

In the period from May 4<sup>th</sup> to 31<sup>st</sup> 2020, above normal mean monthly air temperature is expected in Azerbaijan, with up to +3°C anomaly and up to 80% probability for exceeding upper tercile. Precipitation surplus is expected in the southern Balkans, northeastern Ukraine and southern Turkey, with up to 70% probability for exceeding upper tercile.

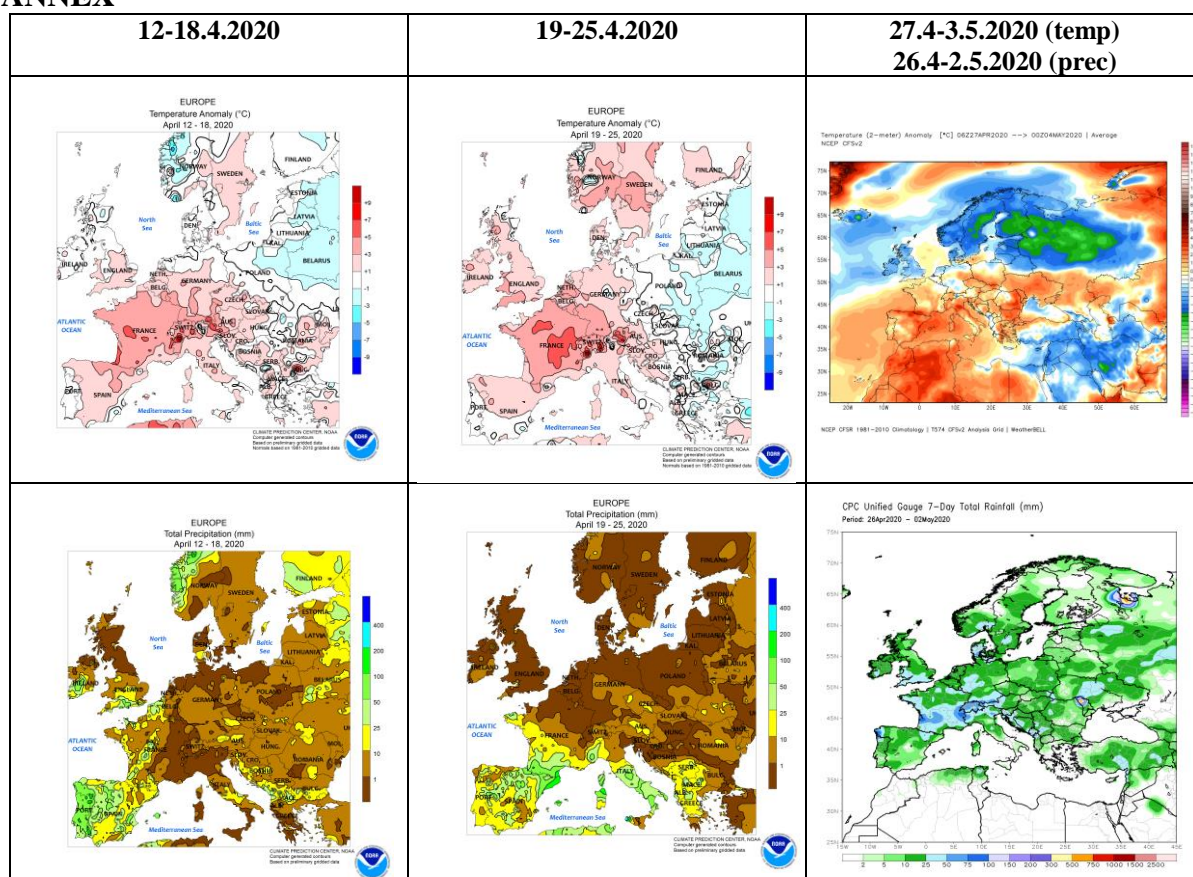
During the following three months (May, June and July) seasonal forecast predicts above normal seasonal air temperature for the Balkans and central and eastern Turkey. Precipitation surplus is predicted for the Carpathian region, eastern Turkey and in South Caucasus. Precipitation deficit is expected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

## **Update**

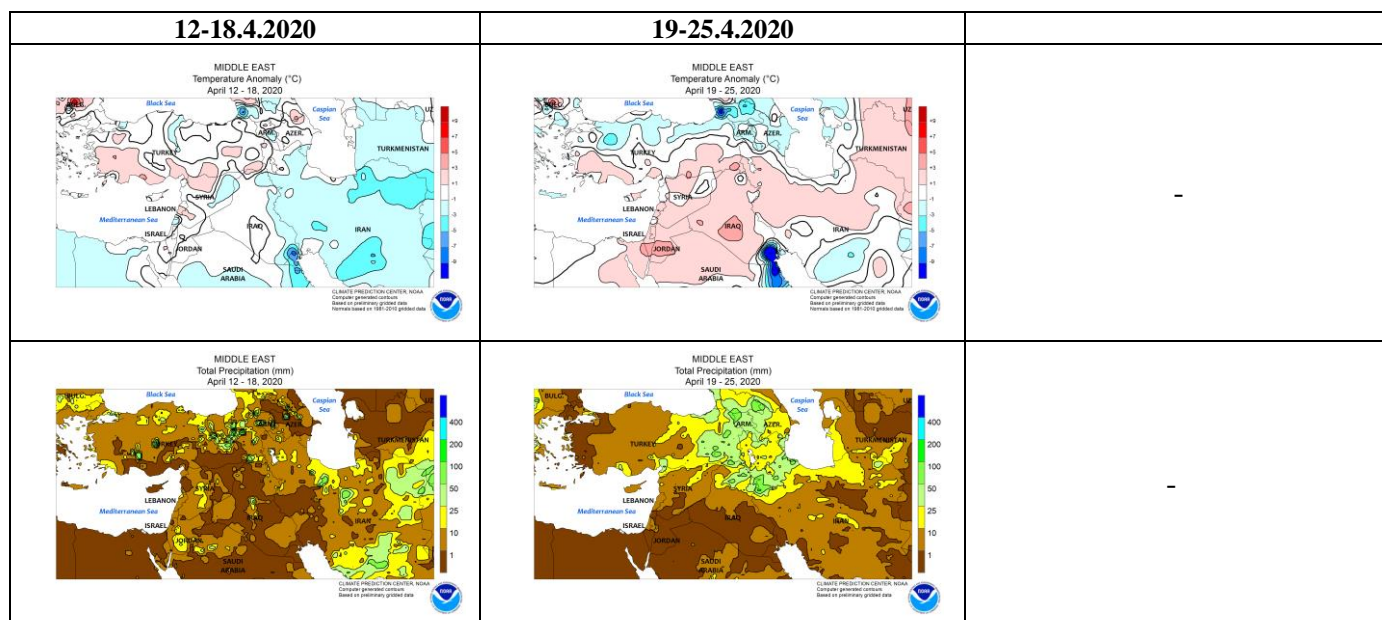
An updated statement will be issued on 11-5-2020

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

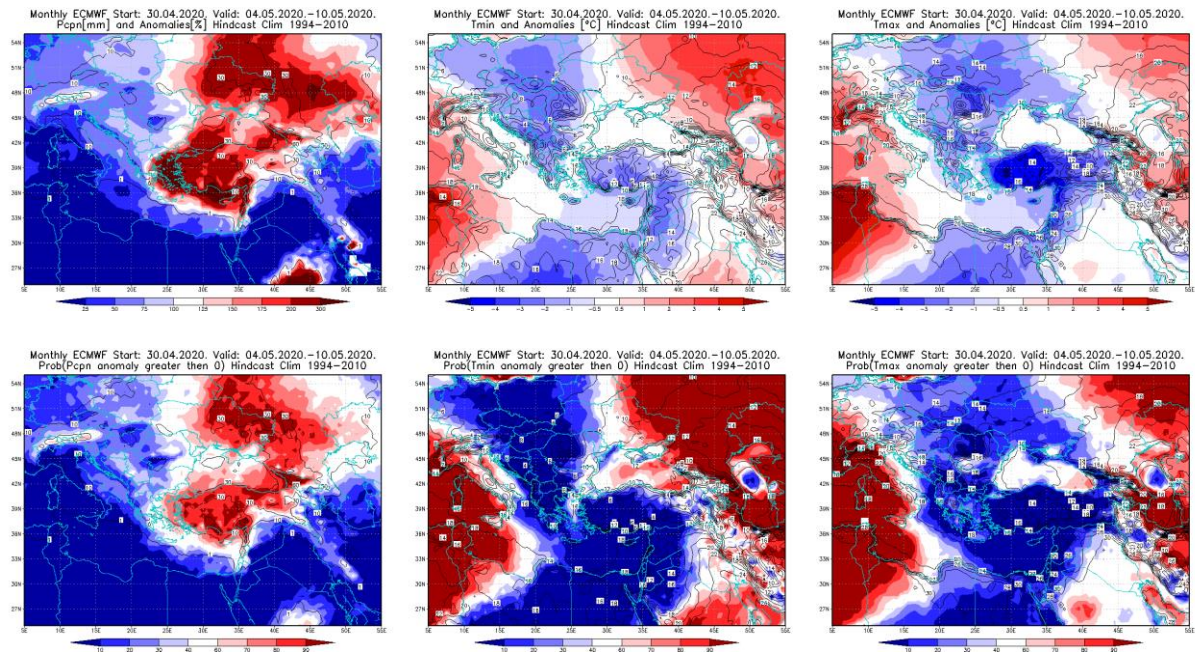
## ANNEX



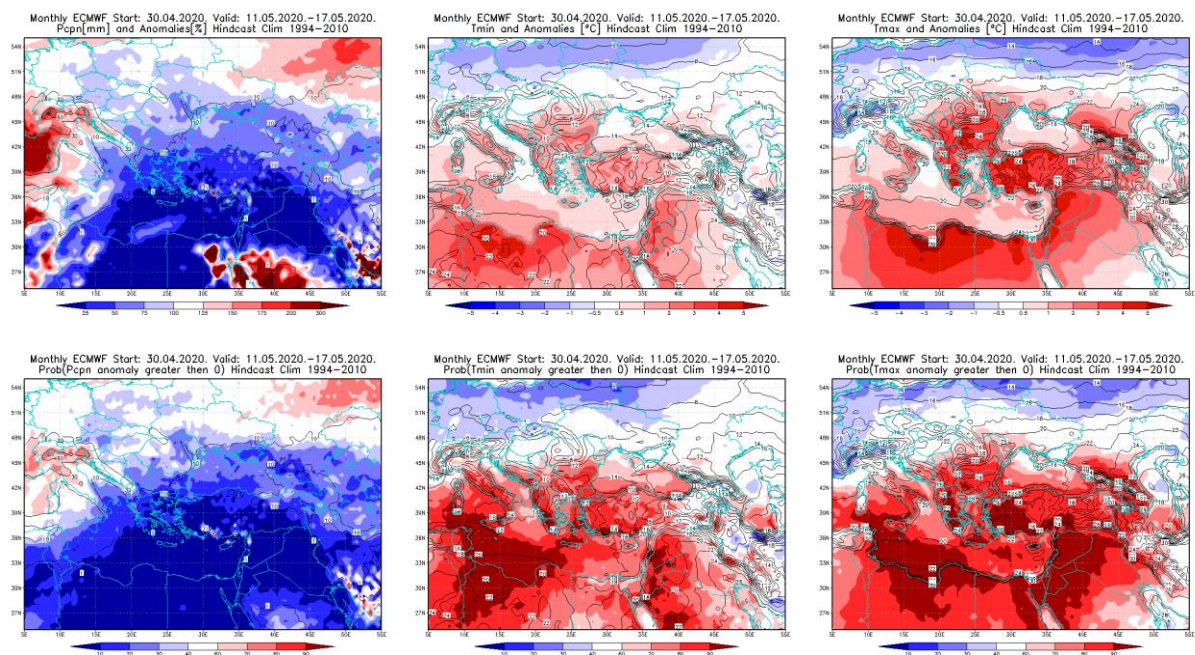
**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



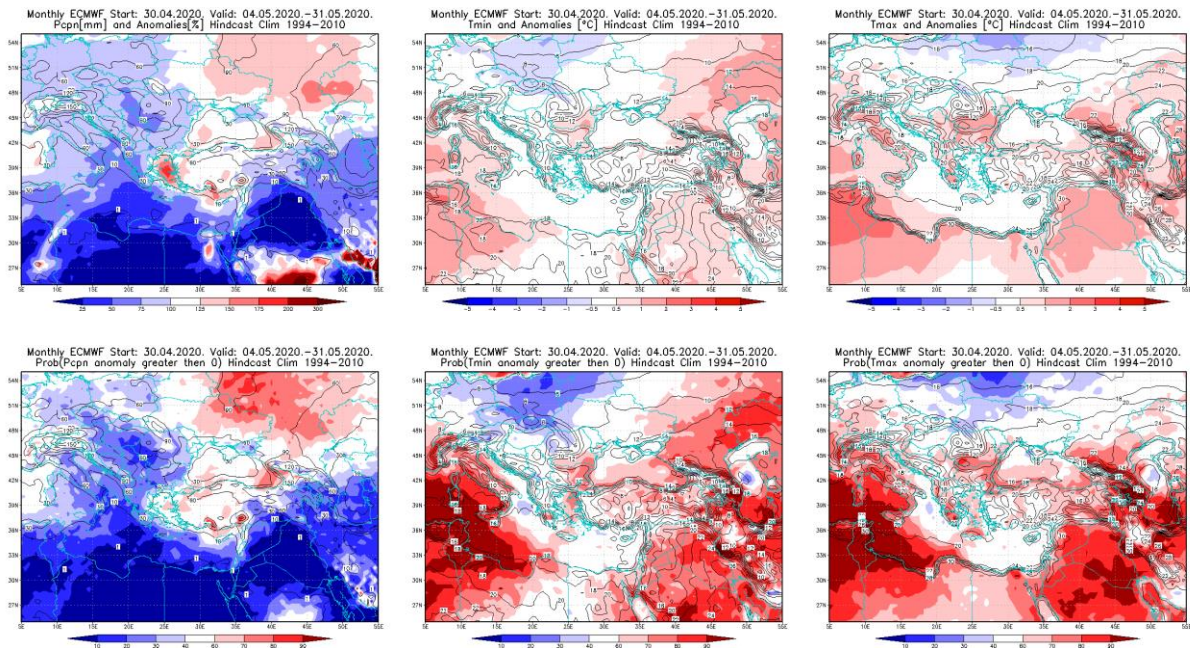
**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



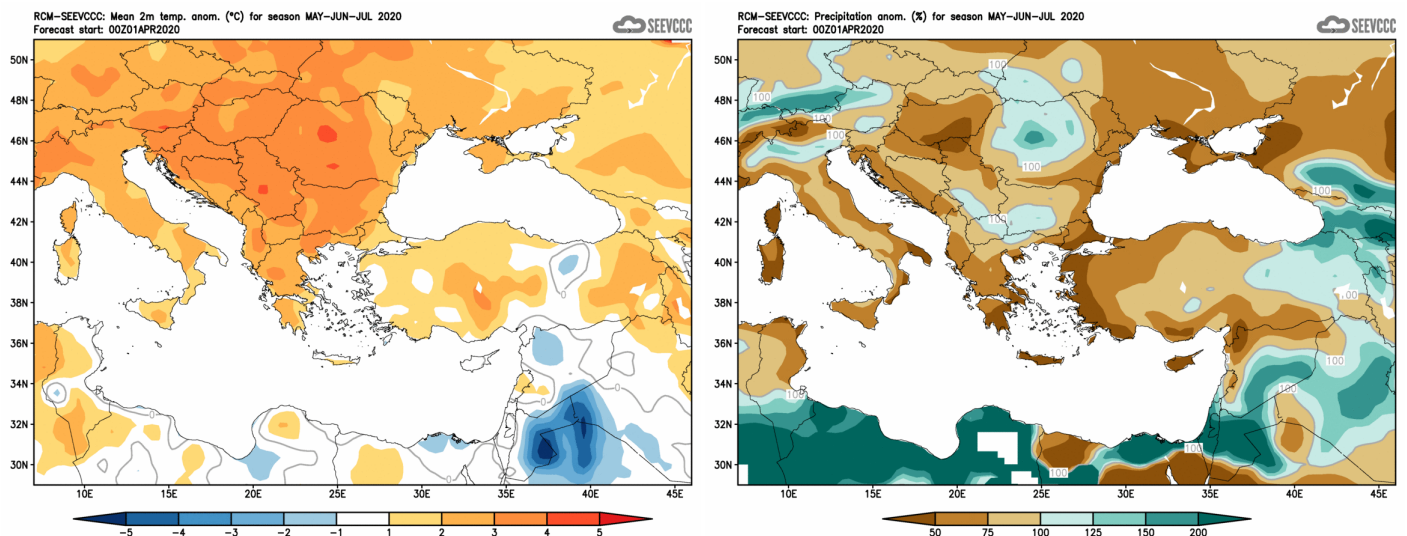
**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 4.5–10.5.2020 period



**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 11.5–17.5.2020 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 4.5–31.5.2020 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/>)