

## Climate Watch (Serial No.: 20200406 – 14)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

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

Valid from – to: 6-4-2020 – 30-6-2020 Next amendment: 13-4-2020

Region of concern: **Balkans, Turkey, Middle East and South Caucasus**

**„In the period from April 6th to 12th 2020, below normal mean weekly air temperature is expected in Turkey, south Caucasus, Middle East, most of Greece and southern Bulgaria, with anomaly ranging from -2°C in Greece and Bulgaria up to -6°C in central Turkey. Probability for exceeding lower tercile is around 90%. Precipitation surplus is expected in Azerbaijan and Armenia, while precipitation deficit is predicted for rest of the region. Probability for exceeding upper/lower tercile is up to 90%.“**

### Monitoring

During the period from March 29<sup>th</sup> to April 4<sup>th</sup> 2020, above normal air temperature was observed in Israel, Jordan and eastern Azerbaijan, with anomaly around +2°C. Below normal air temperature was registered in rest of the SEE region, with anomaly ranging from -1°C up to -4°C. In most of the region precipitation totals were below 25 mm. Precipitation sums reached up to 75 mm in some parts of northeastern Greece and southeastern Turkey.

## **Outlook**

Within the first week (April 6<sup>th</sup> to 12<sup>th</sup> 2020), ECMWF monthly forecast predicts below normal mean weekly air temperature in Turkey, south Caucasus, Middle East, most of Greece and southern Bulgaria, with anomaly ranging from -2°C in Greece and Bulgaria up to -6°C in central Turkey. Probability for exceeding lower tercile is around 90%. Above normal mean weekly air temperature is predicted for most of the Balkans, Moldova, Romania and western Ukraine, with anomaly in a range from +2°C up to +3°C and probability for exceeding upper tercile around 80%. Precipitation surplus is expected in Azerbaijan and Armenia, while precipitation deficit is predicted for rest of the region. Probability for exceeding upper/lower tercile is up to 90%.

During the second week (April 13<sup>th</sup> to 19<sup>th</sup> 2020), below normal mean weekly air temperature is expected in the Middle East, south Caucasus and most of Turkey, with anomaly up to -2°C and up to 70% probability for exceeding lower tercile. Above normal mean weekly air temperature, with anomaly up to +2°C, is forecasted for Ukraine, Moldova, Romania and most of the Balkans with probability up to 60% for exceeding upper tercile. Precipitation deficit is expected in the southern and eastern Balkans, eastern Romania, Moldova and most of Ukraine, with around 60% probability for exceeding lower tercile.

In the period from April 6<sup>th</sup> to May 3<sup>rd</sup> 2020, above normal mean monthly air temperature is expected in most of the Balkans, Romania, Moldova and most of Ukraine, with anomaly around +2°C. Below normal mean monthly air temperature is forecasted for the south Caucasus, Middle East and most of Turkey, with anomaly around -2°C. Probability for exceeding upper/lower tercile is up to 80%. Precipitation deficit is expected in most of the Balkans, Romania, Moldova and Ukraine. Precipitation surplus is predicted for most of Azerbaijan. Probability for exceeding lower/upper tercile is up to 80%.

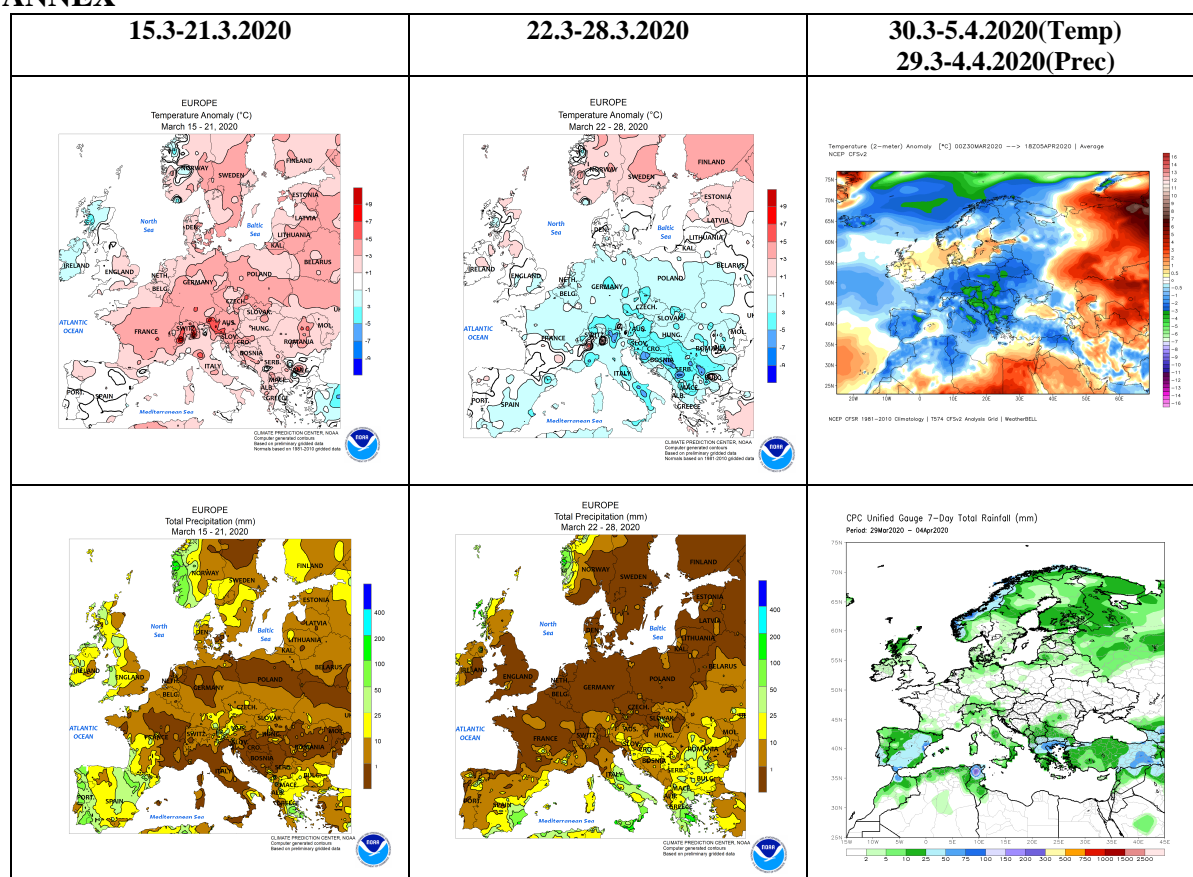
During the following three months (April, May and June) seasonal forecast predicts above normal seasonal air temperature for most of the Balkans and central and eastern Turkey. Precipitation surplus is predicted for the Carpathian region, eastern Turkey and in South Caucasus. Precipitation deficit is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

## **Update**

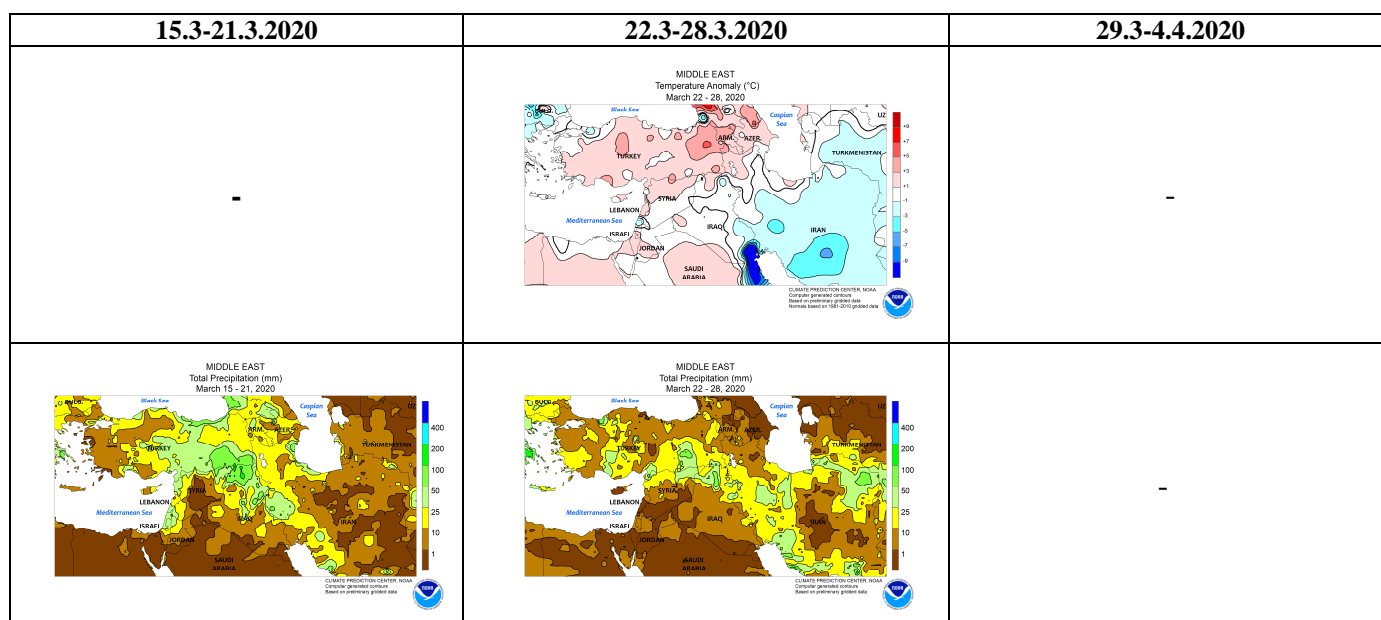
An updated statement will be issued on 13-4-2020

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

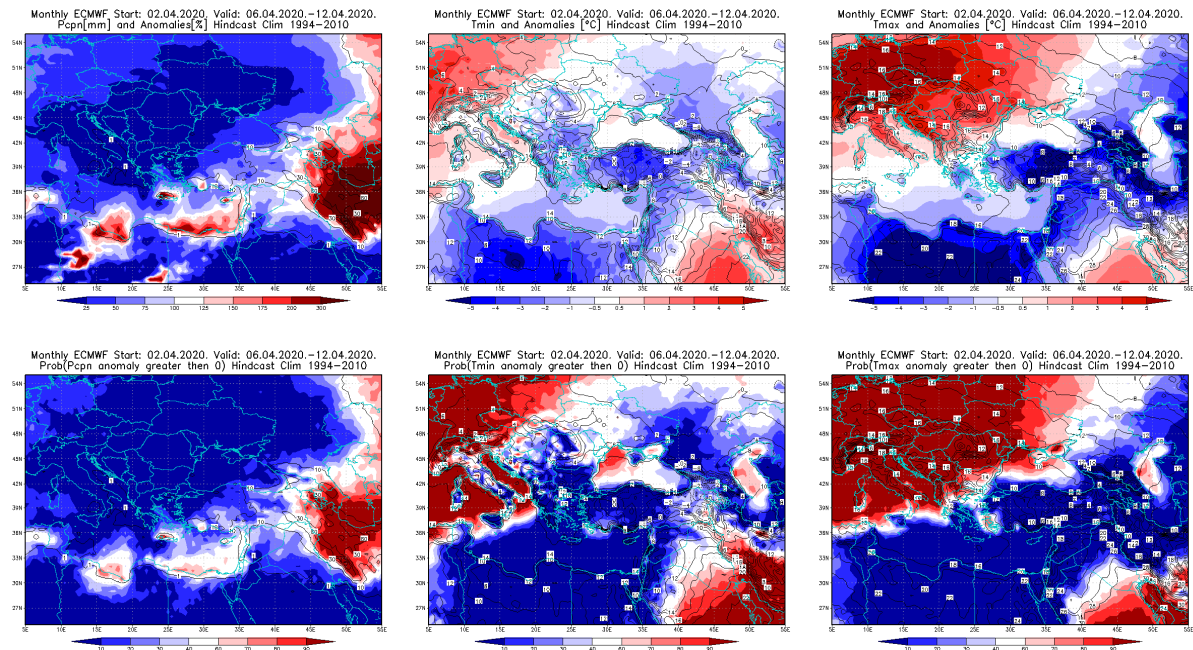
## ANNEX



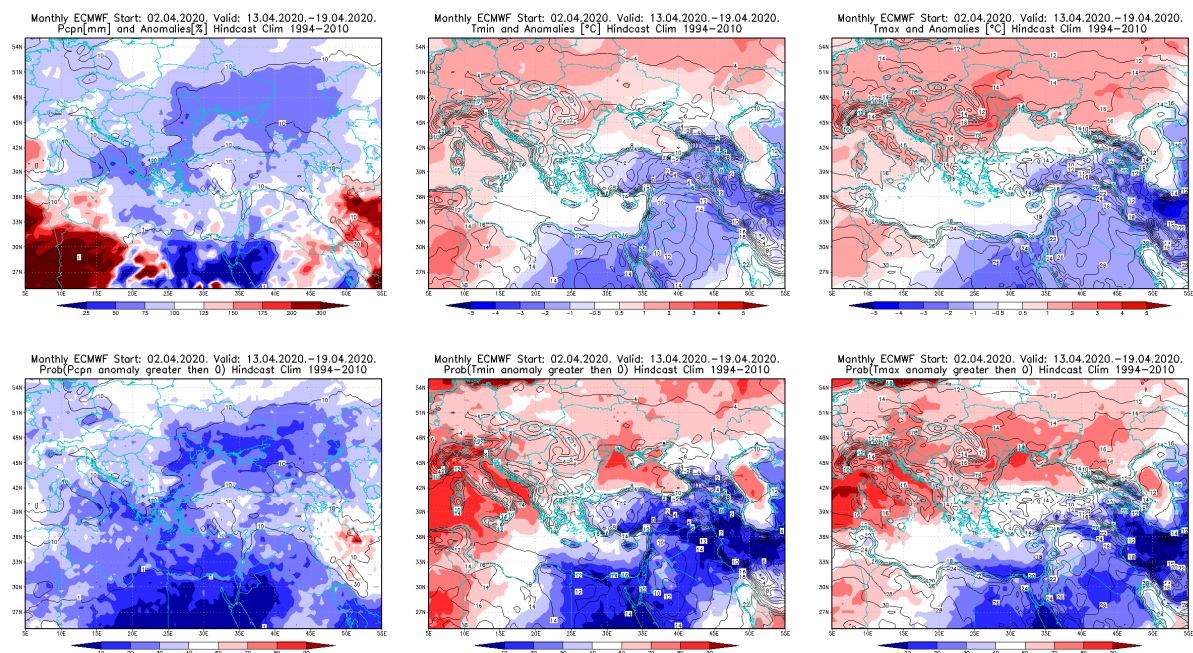
**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



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

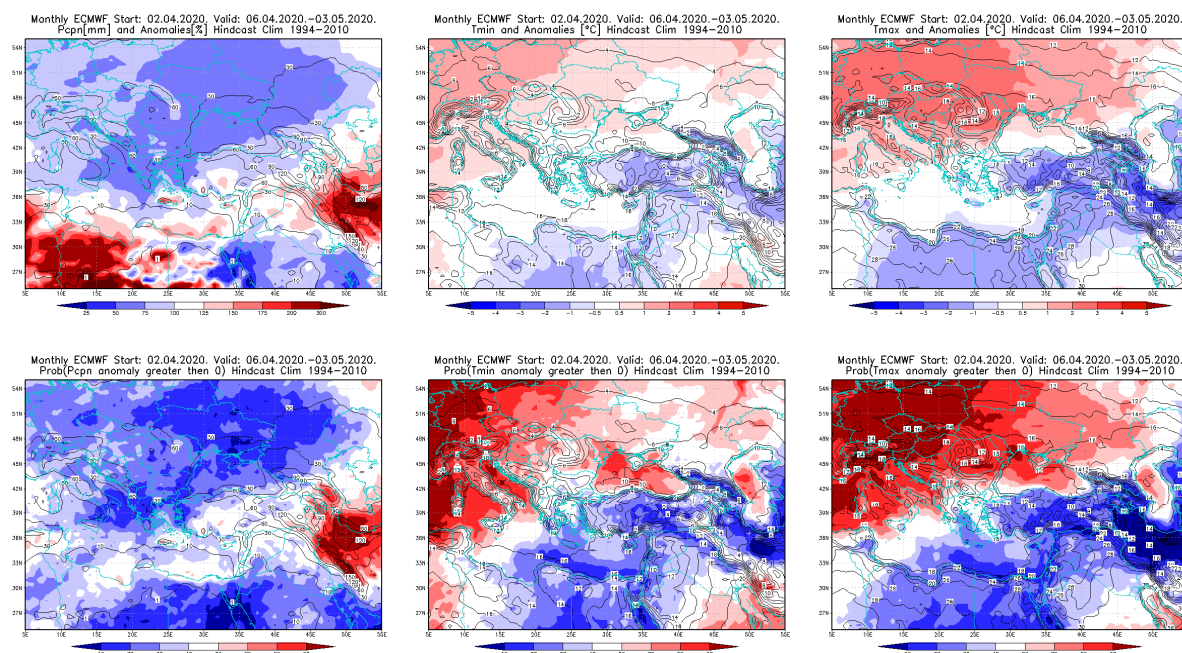


**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 6. – 12.4.2020 period

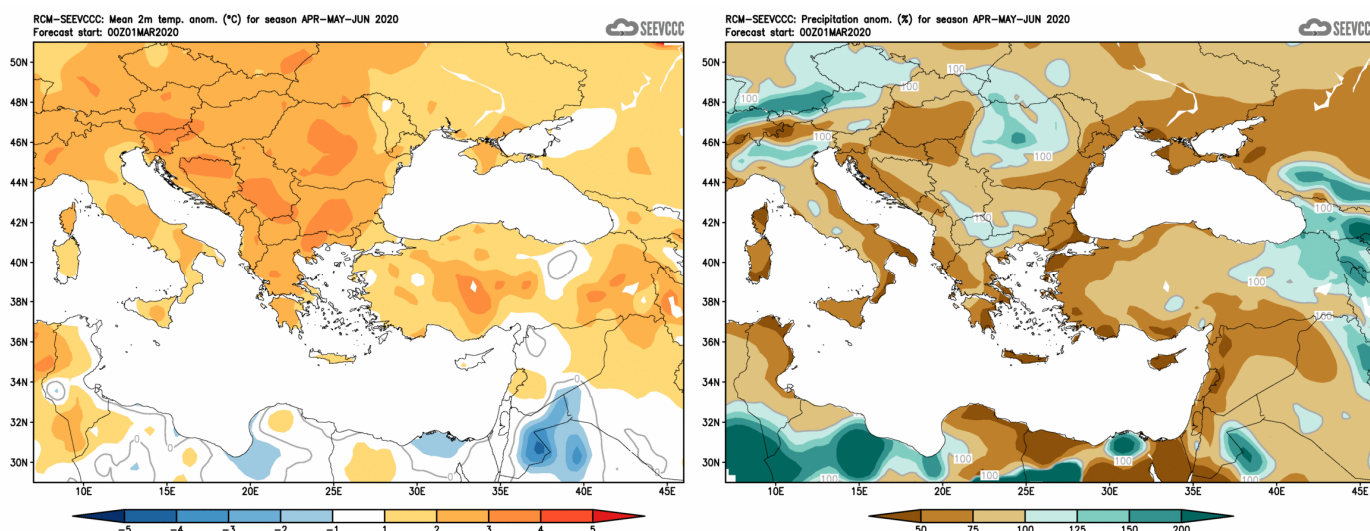


**Figure 4.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 13.– 19.4.2020 period





**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 6.4 – 3.5.2020 period



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