

## Climate Watch (Serial No.: 20200309 – 10)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing  
the statement: SEEVCCC

Issued/ Amended / 9-3-2020 12:00 P.M.  
Cancelled

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Valid from – to: 9-3-2020 – 31-5-2020 Next amendment: 16-3-2020

Region of concern: **Turkey and Middle East**

**„In the period from March 9th to 15th 2020, precipitation surplus is expected in southeastern Turkey and Middle East, with up to 80% probability for exceeding upper tercile.”**

### Monitoring

During the period from March 1<sup>st</sup> to 7<sup>th</sup> 2020, above normal air temperature was observed in the entire region, with anomaly in a range from +1°C in eastern Turkey and Middle East, up to +10°C in northeastern Ukraine. Precipitation sums were up to 150 mm in western Balkans, while in central Balkans, Hungary, western Romania, as well as western and eastern Turkey they reached 50 mm. In rest of the region precipitation totals were below 25 mm.

## **Outlook**

Within the first week (March 9<sup>th</sup> to 15<sup>th</sup> 2020), ECMWF monthly forecast predicts above normal mean weekly air temperature in Ukraine, Moldova, eastern Romania, eastern Turkey and South Caucasus, with anomaly up to +5°C and 90% probability for exceeding upper tercile. Precipitation surplus is expected in southeastern Turkey and Middle East, with up to 80% probability for exceeding upper tercile.

During the second week (March 16<sup>th</sup> to 22<sup>nd</sup> 2020), above normal mean weekly air temperature is expected in eastern Balkans, Moldova, Ukraine and South Caucasus, with anomaly from +2°C to +4°C and probability for exceeding upper tercile ranging from 60% in the west up to 80% in the east of affected region. Precipitation surplus is expected in the Carpathian Mountains, with up to 60% for exceeding upper tercile.

In the period from March 9<sup>th</sup> to April 5<sup>th</sup> 2020, above normal mean monthly air temperature is expected in eastern Ukraine, with anomaly up to +4°C and 80% probability for exceeding upper tercile. Precipitation surplus is expected in Middle East with 70% probability for exceeding upper tercile.

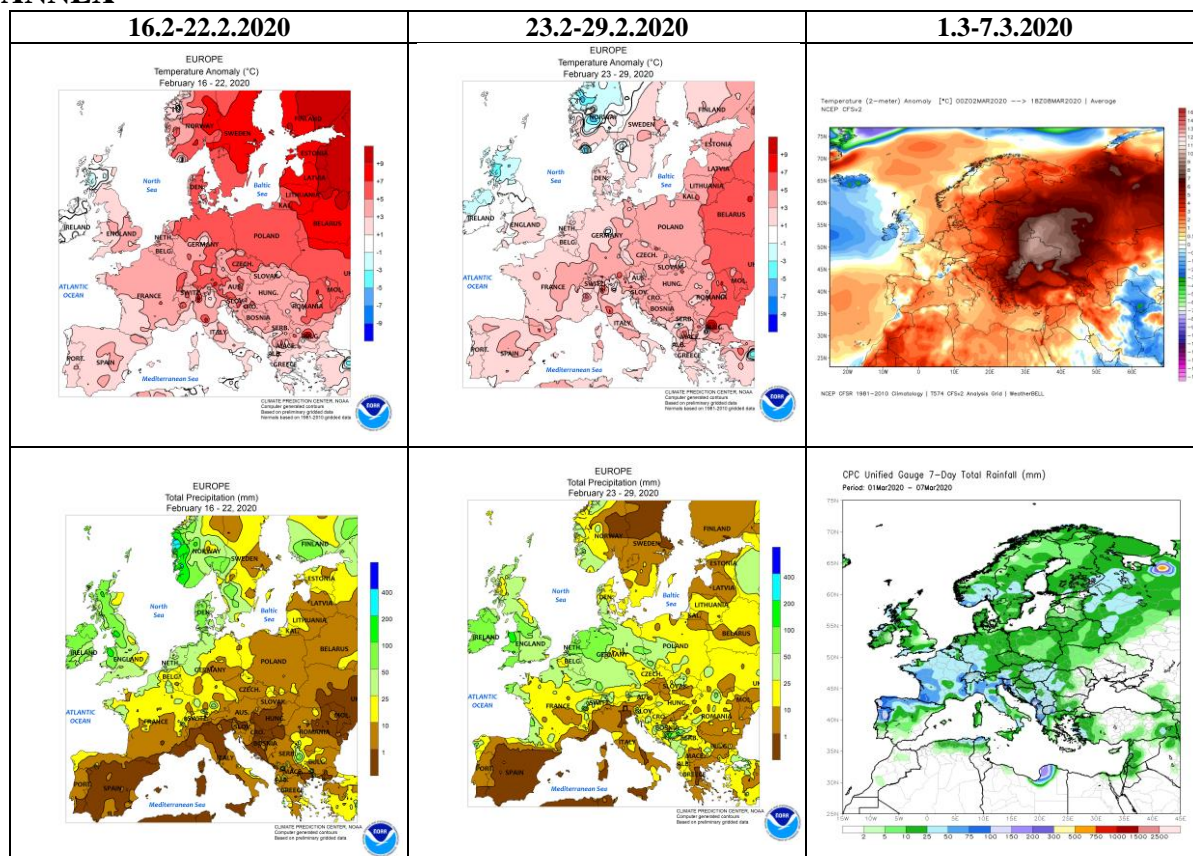
During the following three months (March, April and May) seasonal forecast predicts above normal seasonal air temperature for most of the Balkans and central and eastern Turkey. Precipitation surplus is predicted for the Carpathian region, northern and northeastern Turkey and in South Caucasus. Precipitation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

## **Update**

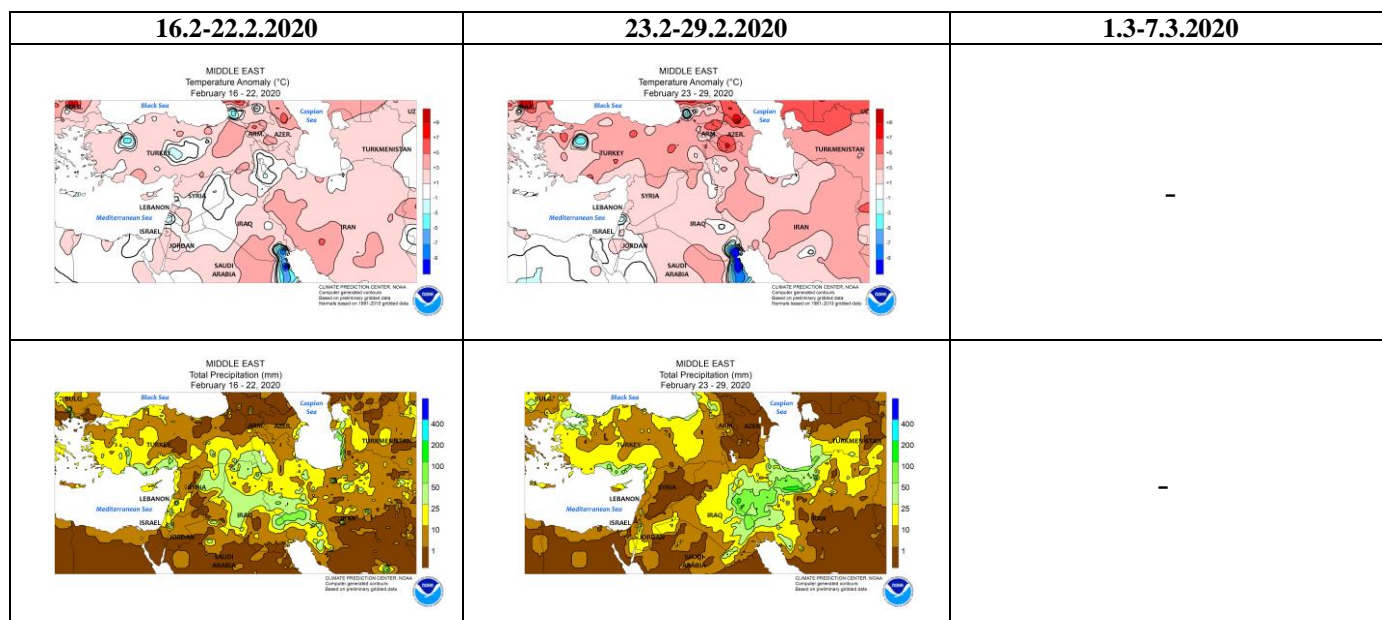
An updated statement will be issued on 16-3-2020

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

## ANNEX

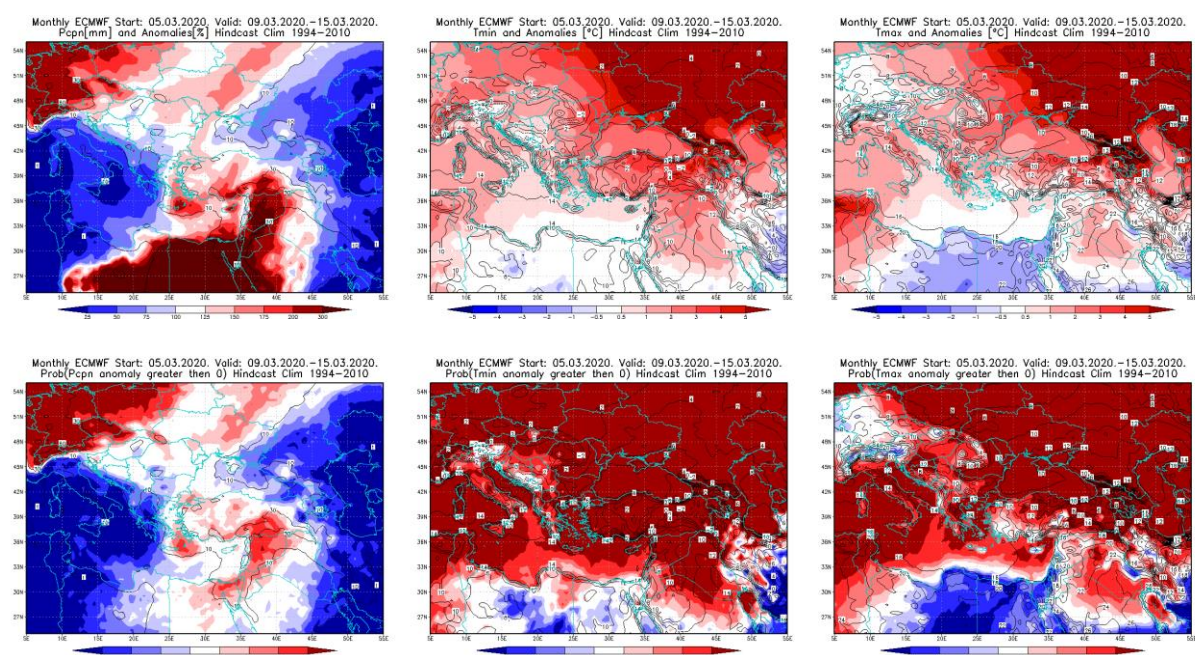


**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

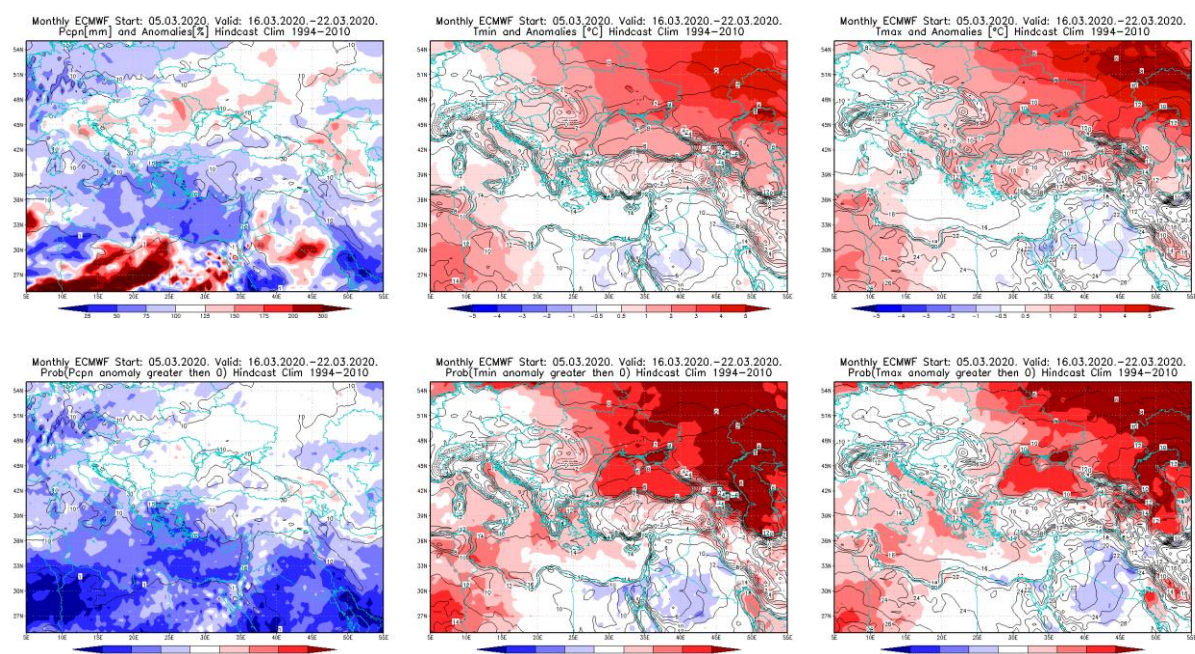


**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



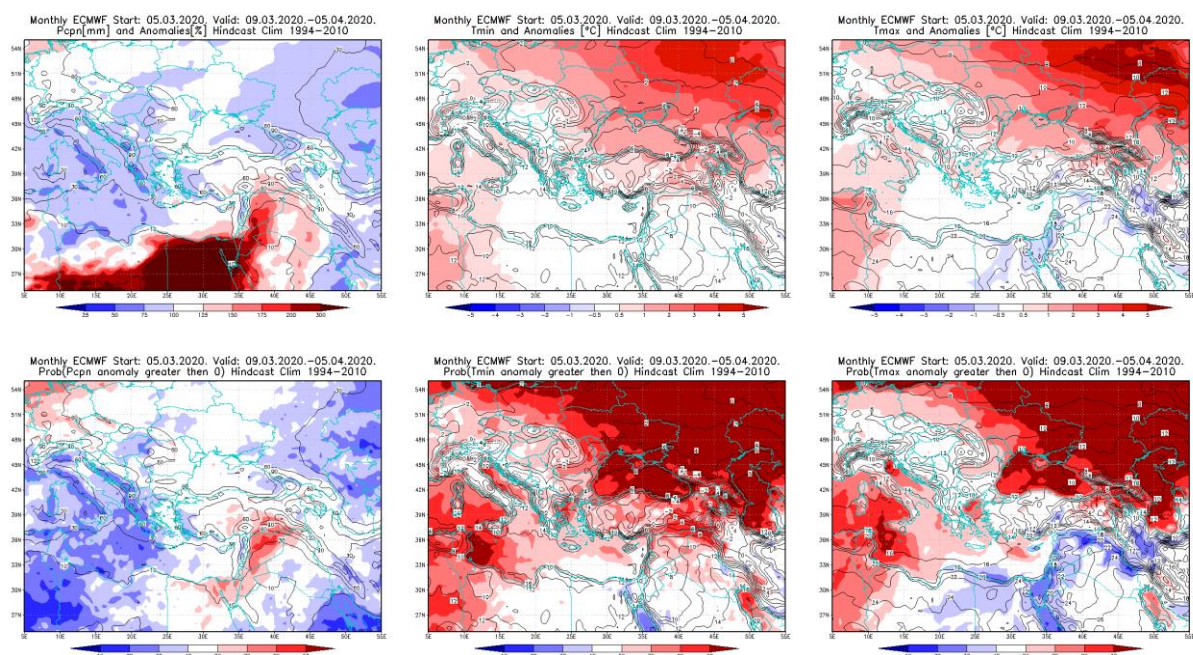


**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 9.3 – 15.3.2020 period

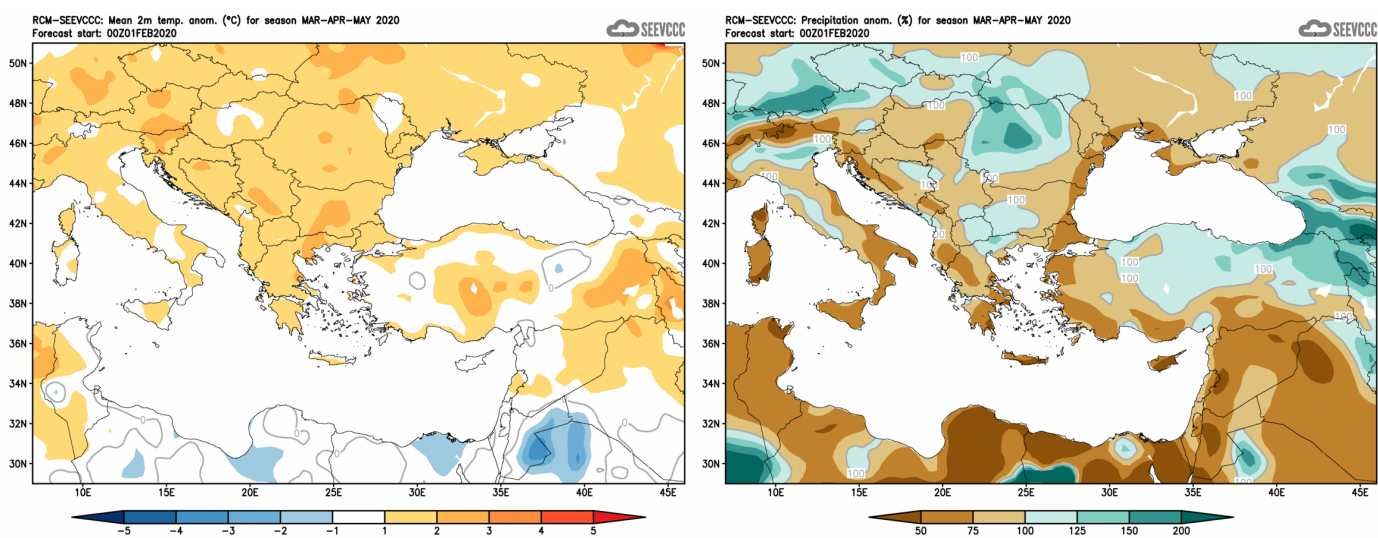


**Figure 4.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 16.3 – 22.3.2020 period





**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 9.3 – 5.4.2020 period



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