

## Climate Watch (Serial No.: 20200120 – 03)

Initial/Updated/Final

Topic: **temperature** and **precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 20-1-2020 12:00 P.M.

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Valid from – to: 20-1-2020 – 30-4-2020 Next amendment: 27-1-2020

Region of concern: **Balkans, Moldova and Ukraine**

**„In the period from January 20th to February 16th 2020, above normal mean monthly air temperature is expected in the Balkans, Moldova and Ukraine with anomaly up to +4°C. Probability for exceeding upper tercile is around 80%. Precipitation deficit is predicted for the southern and eastern Balkans. Probability for exceeding lower tercile is around 70%.“**

### Monitoring

During the period from January 12<sup>th</sup> to 18<sup>th</sup> 2020, above normal air temperature was observed in most of the eastern Balkans, South Caucasus, at some location in the southern Balkans, Moldova and Ukraine with anomaly reaching up to +6°C. Below normal air temperature, with anomaly up to -3°C, was registered at some locations in western and eastern Turkey, Carpathian region and in most of the northern Balkans. Precipitation totals reached 50 mm in northern Turkey. In rest of the region precipitation sums were below 25 mm.

## **Outlook**

Within the first week (January 20<sup>th</sup> to 26<sup>th</sup> 2020), ECMWF monthly forecast predicts above normal mean weekly air temperature in the eastern Balkans, with anomaly reaching up to +4°C, with low probability. Below normal temperature with anomaly up to -3°C is expected in southern Turkey with around 70% probability for exceeding lower tercile. Precipitation deficit is expected in most of the region with around 70% for exceeding lower tercile.

During the second week (January 27<sup>th</sup> to February 2<sup>nd</sup> 2020), above normal mean weekly air temperature is expected in most of the region, with anomaly up to +3°C, while in northern Ukraine anomaly will reach up to +6°C. Probability for exceeding upper tercile is up to 80%. Average precipitation is expected in most of the region. Precipitation surplus is expected for parts of the western Balkans and northern Turkey with up to 60% probability for exceeding upper tercile.

In the period from January 20<sup>th</sup> to February 16<sup>th</sup> 2020, above normal mean monthly air temperature is expected in the Balkans, Moldova and Ukraine with anomaly up to +4°C. Probability for exceeding upper tercile is around 80%. Precipitation deficit is predicted for the southern and eastern Balkans. Probability for exceeding lower tercile is around 70%.

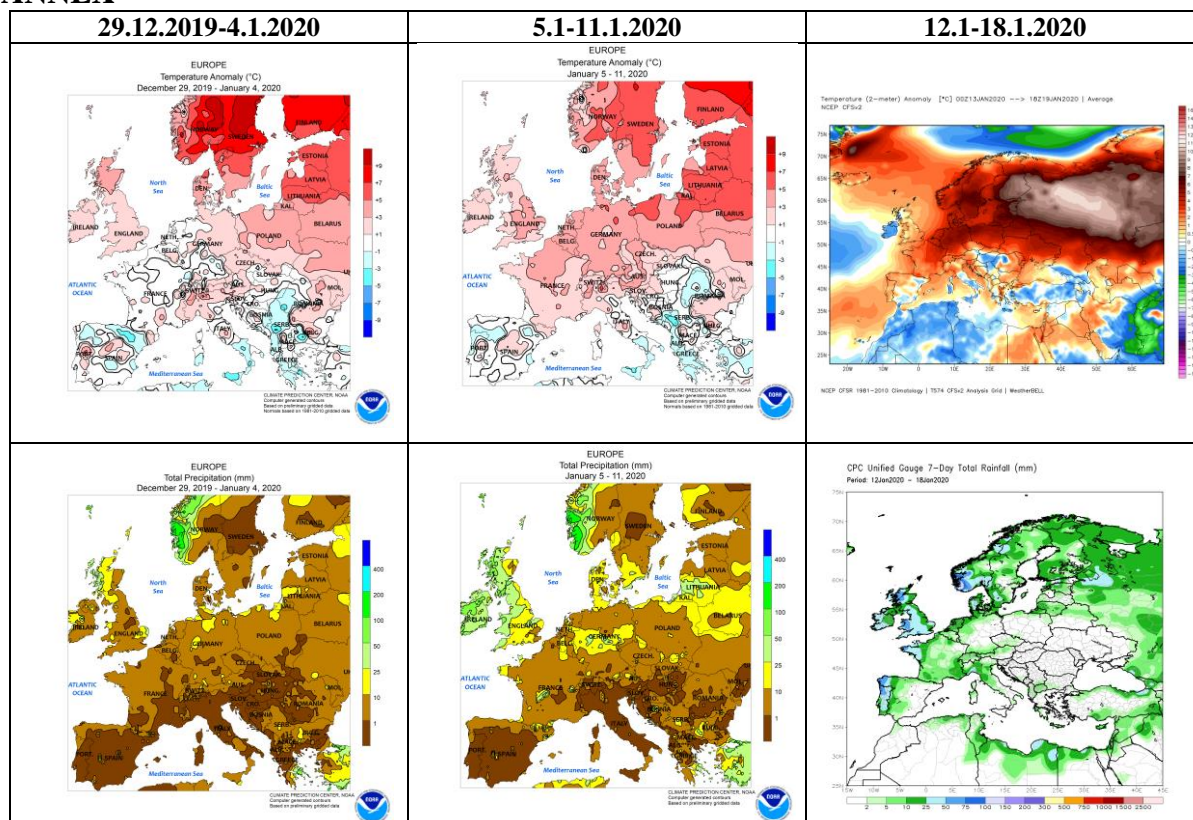
During the following three months (February, March and April) seasonal forecast predicts above normal seasonal air temperature for most of the Balkans. In most of Turkey average temperature is predicted. Precipitation surplus is predicted for the Carpathian region, northern and northeastern Turkey and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

## **Update**

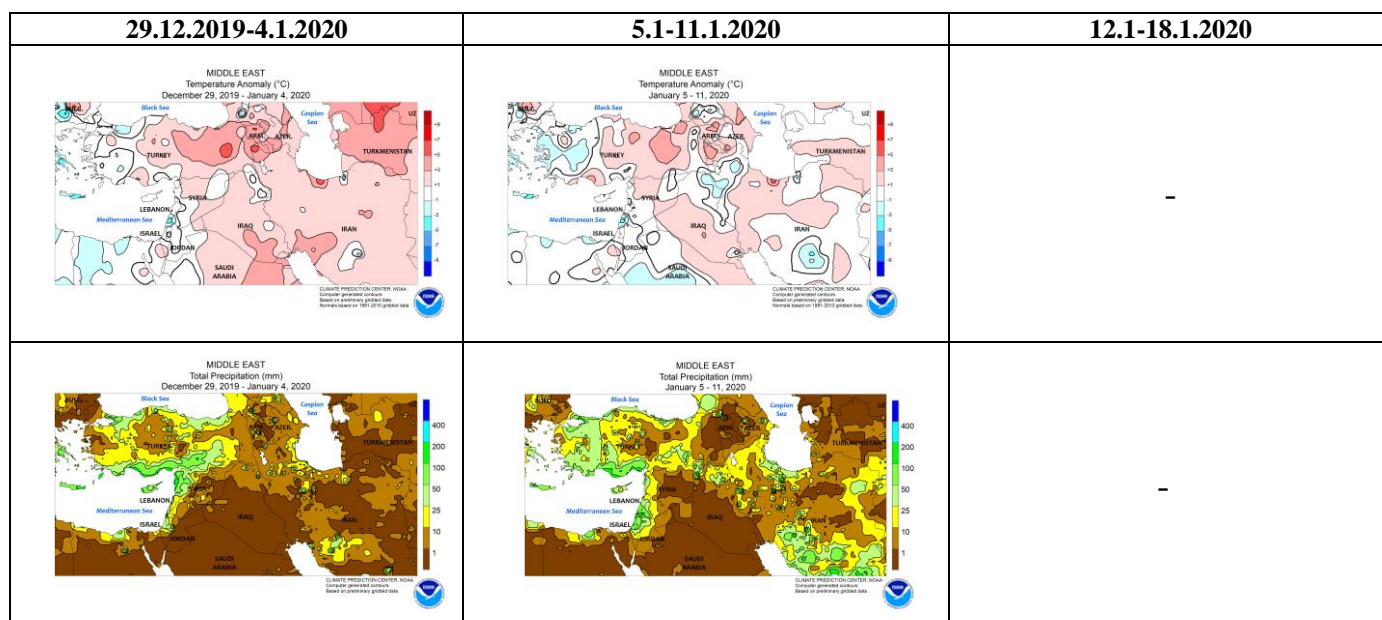
An updated statement will be issued on 27-1-2020

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

## ANNEX

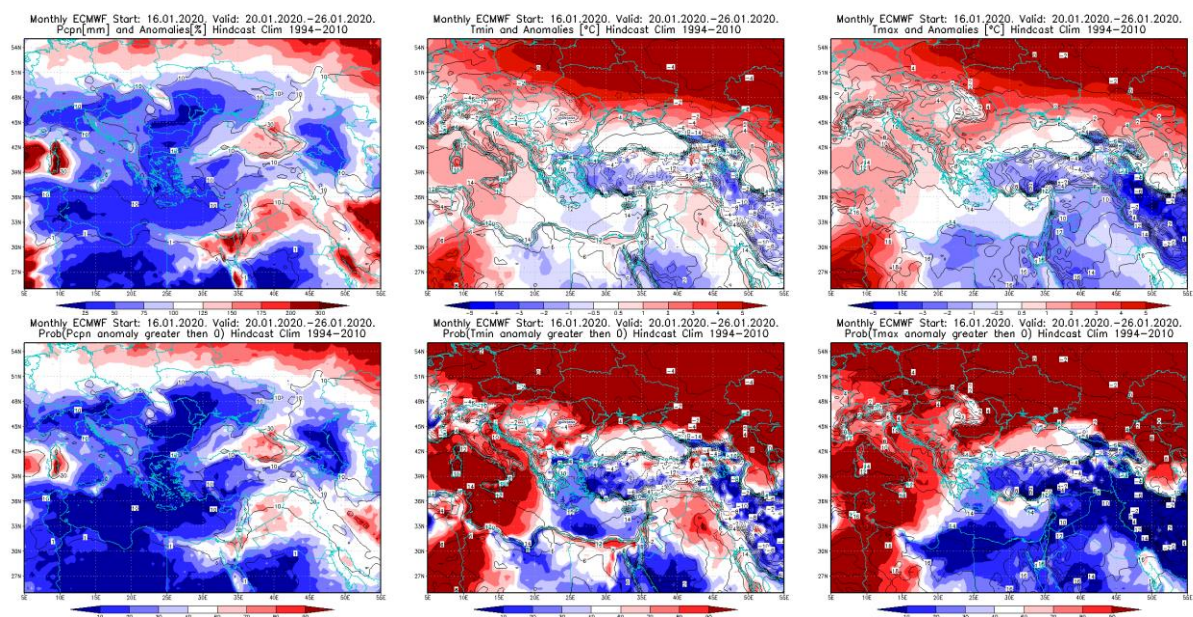


**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

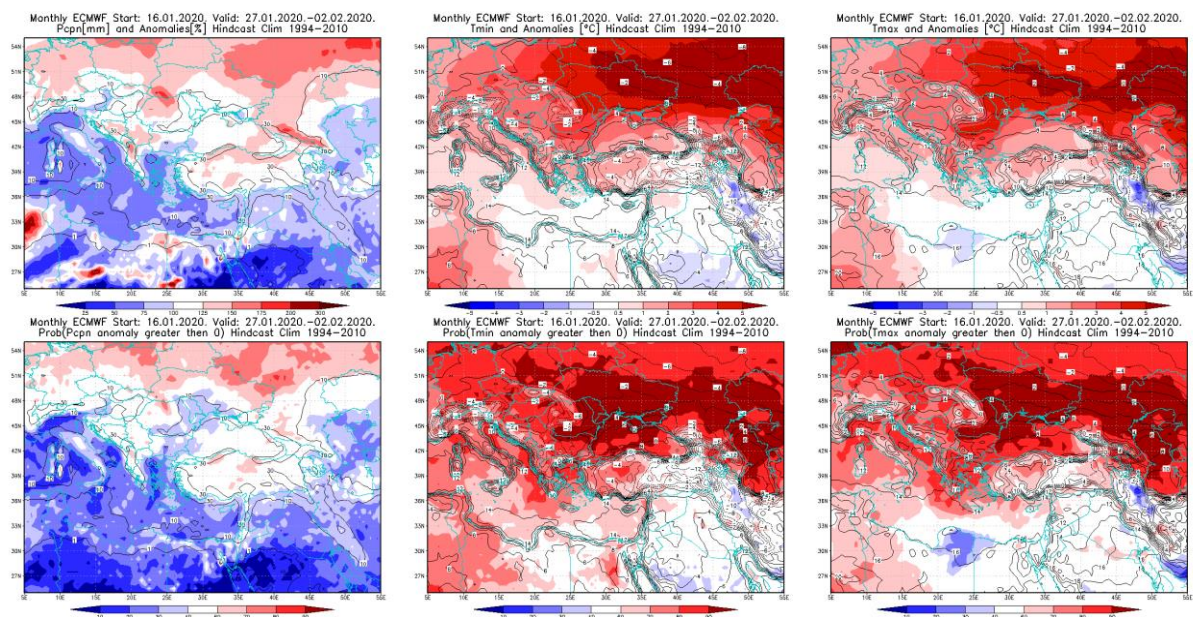


**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



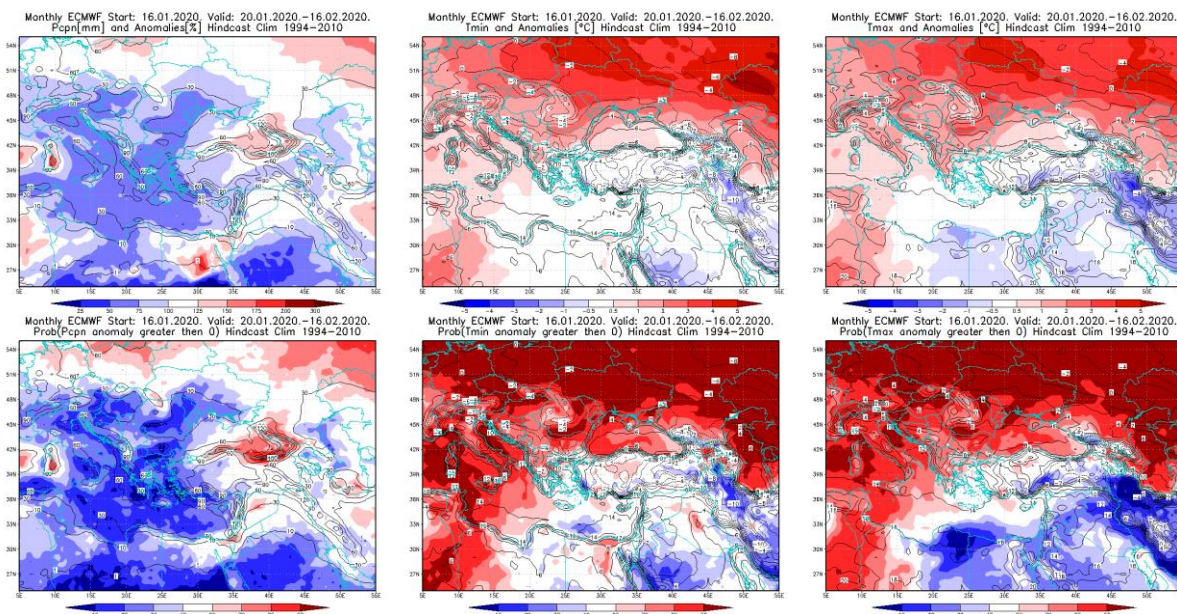


**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 20.1 – 26.1.2020 period

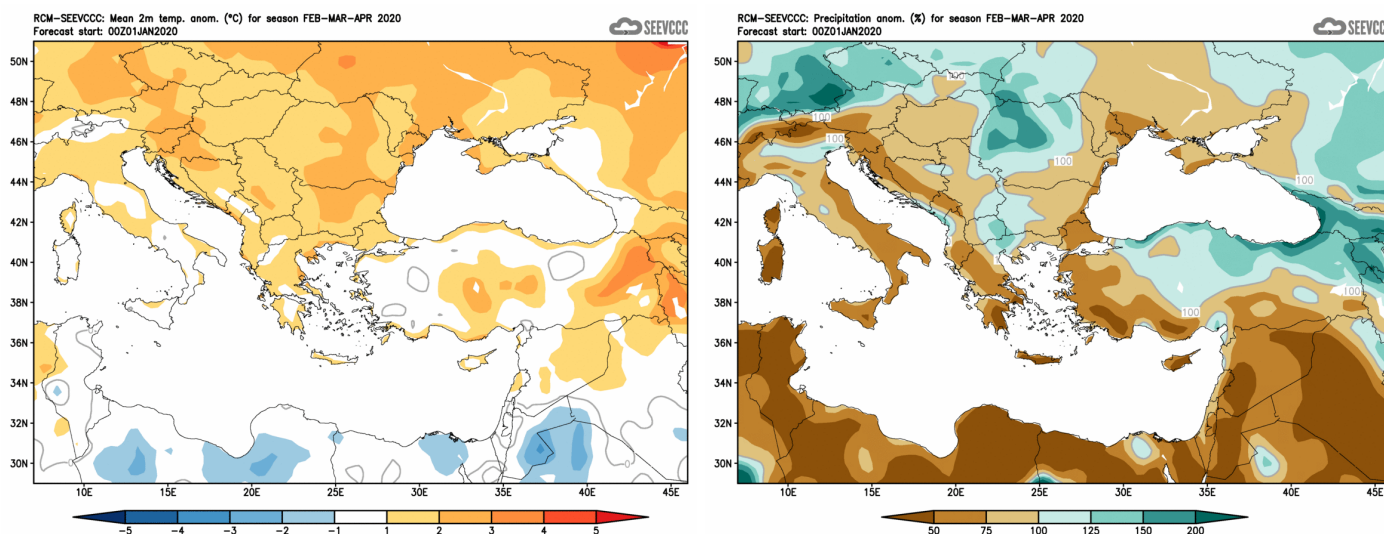


**Figure 4.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 27.1 – 2.2.2020 period





**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 20.1 – 16.2. 2020 period



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