

## Climate Watch (Serial No.: 20201221 – 51)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing  
the statement: SEEVCCC

Issued/ Amended / 21-12-2020 12:00 P.M.  
Cancelled

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Valid from – to: 21-12-2020 – 31-3-2021 Next amendment: 28-12-2020

Region of concern: **SEE**

**„Within the period from December 21<sup>st</sup> to 27<sup>th</sup> 2020, ECMWF monthly forecast predicts above average temperature for almost the entire SEE region, with anomaly reaching up to +6°C. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is forecasted for the northern and parts of the eastern Balkans, with up to 70% probability for exceeding upper tercile. Precipitation deficit is expected in most of Turkey and Greece with up to 80% probability for exceeding lower tercile.”**

### Monitoring

During the period from December 13<sup>th</sup> to 19<sup>th</sup> 2020, precipitation sums were mostly below 25 mm in most parts of the SEE region. Weekly precipitation totals reached up to 100 mm in southern Greece and southern parts of Turkey.

## **Outlook**

Within the first week (December 21<sup>st</sup> to 27<sup>th</sup> 2020), ECMWF monthly forecast predicts above average temperature for almost the entire SEE region, with anomaly reaching up to +6°C. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is forecasted for the northern and parts of the eastern Balkans, with up to 70% probability for exceeding upper tercile. Precipitation deficit is expected in most of Turkey and Greece with up to 80% probability for exceeding lower tercile.

During the second week (December 28<sup>th</sup> 2020 to January 3<sup>rd</sup> 2021), above average temperature is predicted for the entire SEE region, with anomaly reaching up to +5°C and above 90% probability for exceeding upper tercile in Turkey. Precipitation surplus is expected along the coasts of the Adriatic and Aegean Sea, in the southern and eastern Balkans, with around 70% probability for exceeding upper tercile.

In the period from December 21<sup>st</sup> 2020 to January 17<sup>th</sup> 2021, above average temperature is predicted for the entire SEE region, with anomaly reaching up to +4°C in central Turkey and Romania and up to 90% probability for exceeding upper tercile. Average precipitation sums are expected for most of the region.

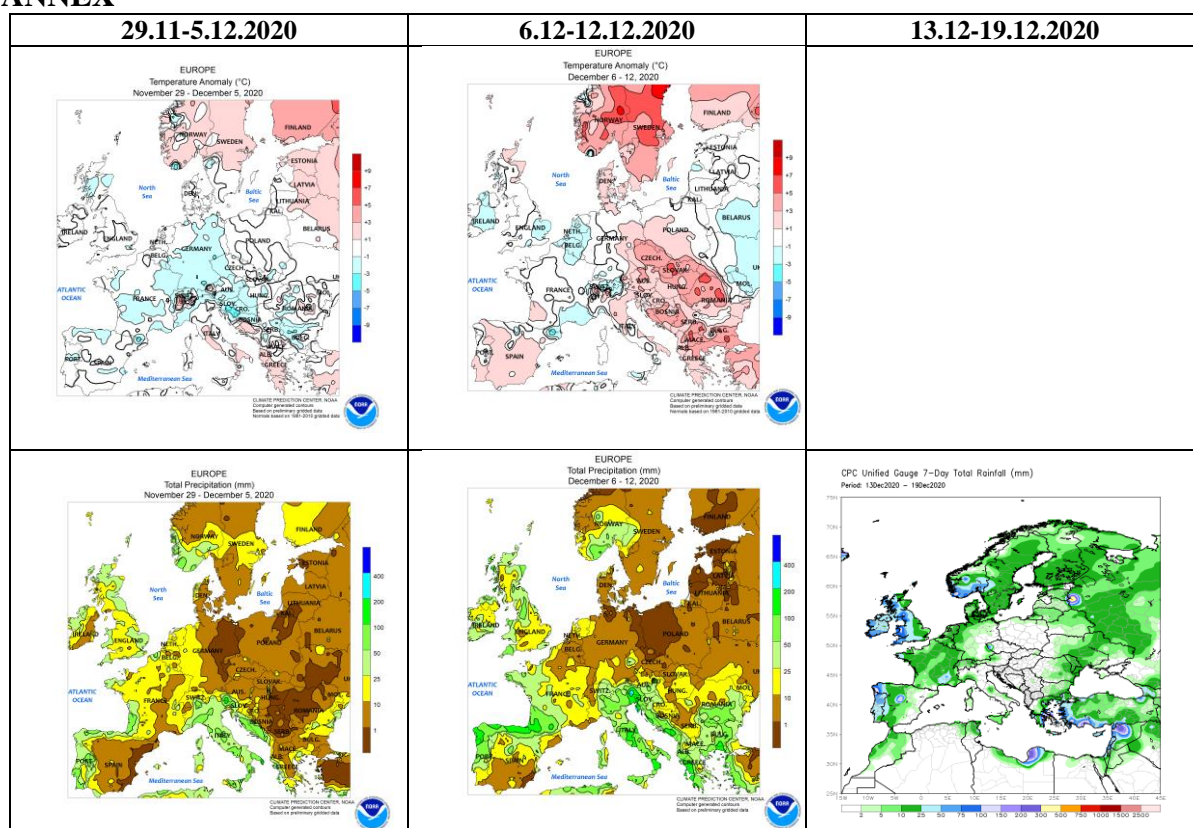
During the following three months (January, February and March) seasonal forecast predicts above normal seasonal air temperature for most of the region, while in parts of Turkey and southern Balkans average temperature is forecasted. Precipitation surplus is expected for northern Turkey and Carpathian region. Precipitation deficit is predicted for the southern Balkans and southern Turkey. Average seasonal precipitation sums are expected in rest of the region.

## **Update**

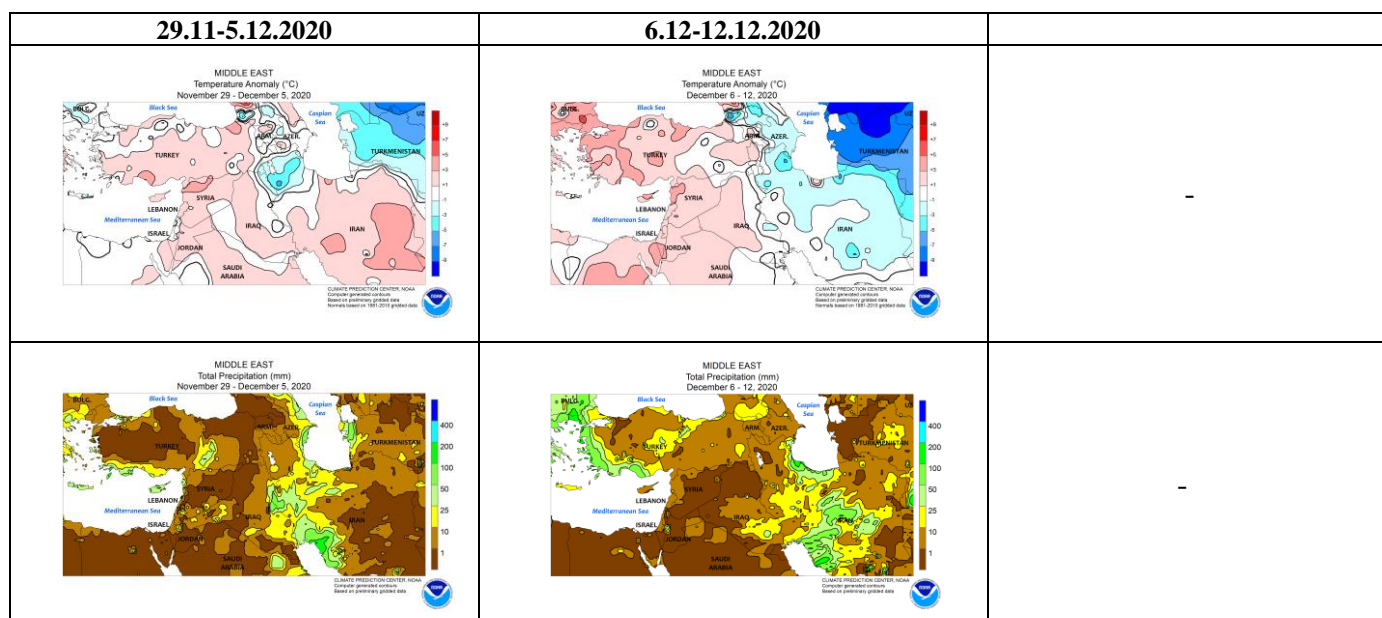
An updated statement will be issued on 28-12-2020

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

## ANNEX

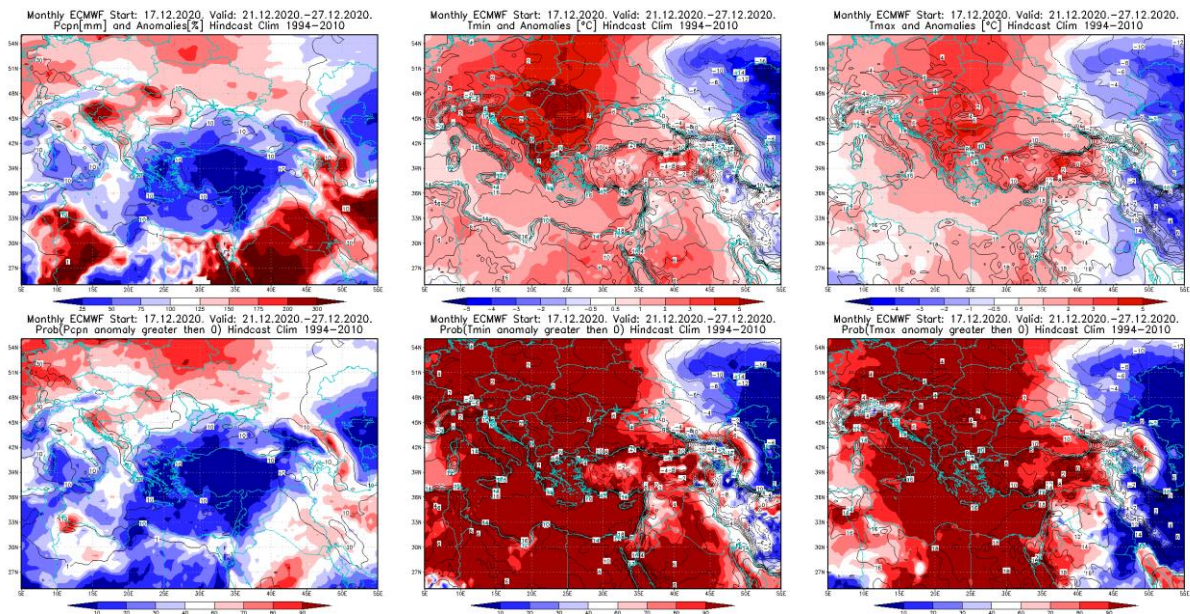


**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

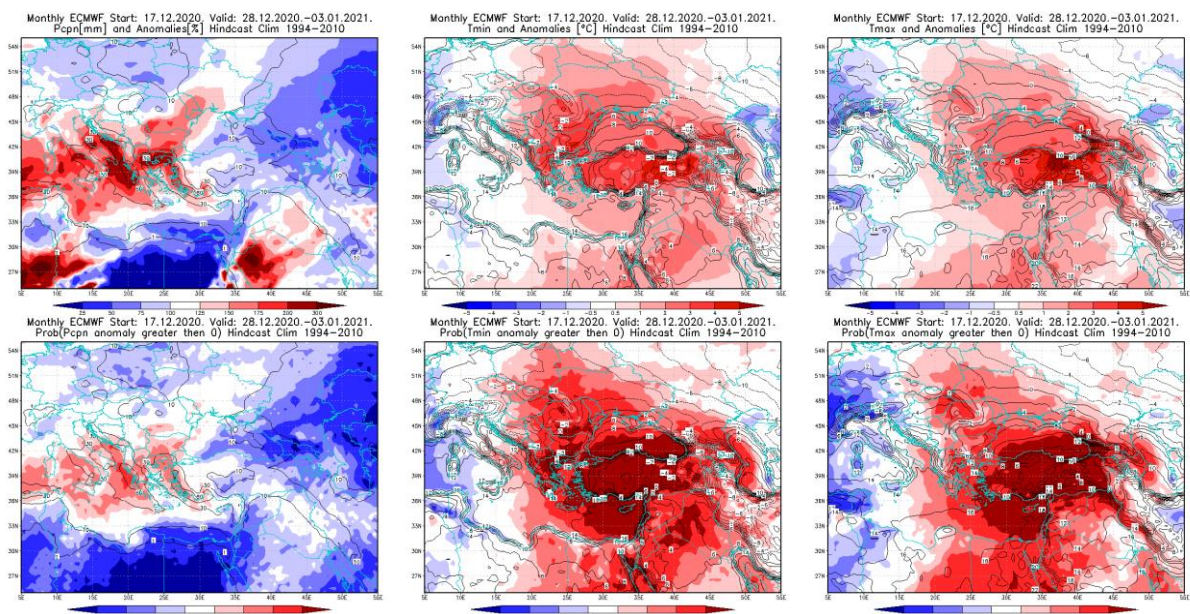


**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



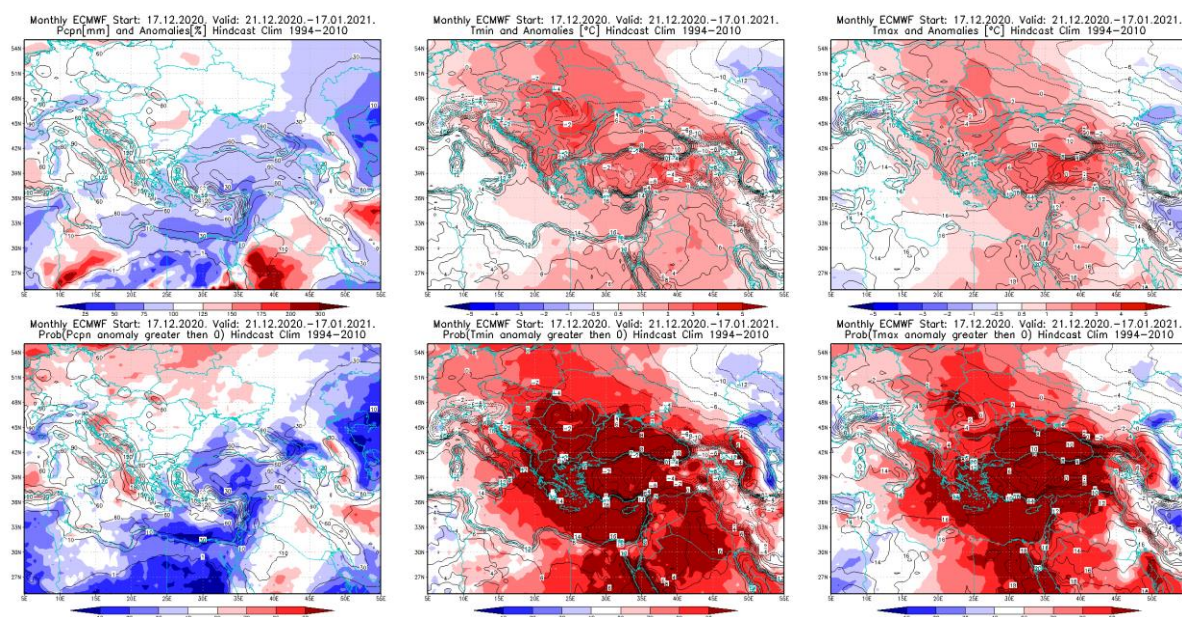


**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 21.12–27.12.2020 period

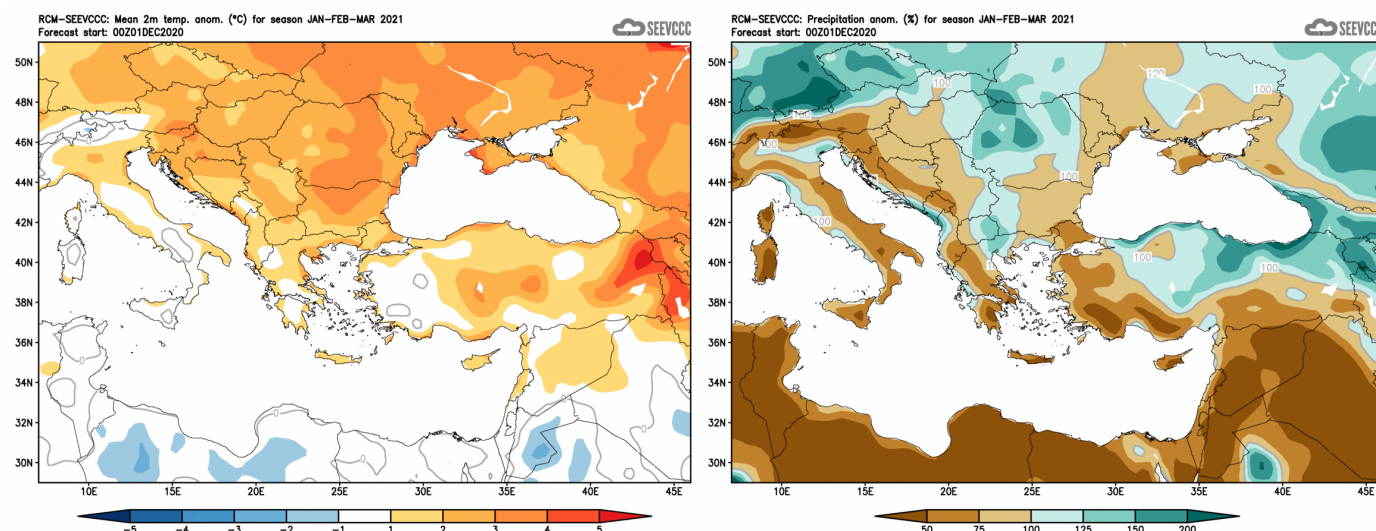


**Figure 4.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 28.12.2020–3.1.2021 period





**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 21.12.2020–17.1.2021 period



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