

## Climate Watch (Serial No.: 20210111 – 02)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing  
the statement: SEEVCCC

Issued/ Amended / 11-1-2021 12:00 P.M.  
Cancelled

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

Valid from – to: 11-1-2021 – 31-3-2021 Next amendment: 25-1-2021

Region of concern: **SEE region**

**„Within the period from January 11<sup>th</sup> to 17<sup>th</sup> 2021, ECMWF monthly forecast predicts precipitation surplus in most of the SEE region, with up to 90% probability for exceeding upper tercile. Precipitation deficit is expected along the north Adriatic and Aegean area, with up to 60% probability for exceeding lower tercile. Below normal mean weekly temperature is predicted for most of the region, with anomaly up to -4°C and up to 90% probability for exceeding lower tercile. ”**

### Monitoring

During the period from January 3<sup>rd</sup> to 9<sup>th</sup> 2021, precipitation sums were below 25 mm in almost the entire SEE region. In the western and southern Balkans, as well as Carpathian region weekly precipitation totals reached up to 100 mm.

## **Outlook**

Within the first week (January 11<sup>th</sup> to 17<sup>th</sup> 2021), ECMWF monthly forecast predicts above average temperature for the south Balkans, Aegean region, Eastern Mediterranean, as well as Cyprus with anomaly reaching up to +3°C. Probability for exceeding upper tercile is up to 90%. Below normal mean weekly air temperature is predicted for rest of the SEE region, with anomaly up to -4°C and up to 90% probability for exceeding lower tercile. Precipitation surplus is forecasted in most of the SEE region, with up to 90% probability for exceeding upper tercile. Precipitation deficit is expected along the north Adriatic and Aegean area, with up to 60% probability for exceeding lower tercile.

During the second week (January 18<sup>th</sup> to 24<sup>th</sup> 2021), below average temperature is predicted for most of the Balkans, Moldova and Ukraine, with anomaly reaching up to -4°C, and around 80% for exceeding lower tercile. Precipitation surplus is expected in most of the Balkans, Ukraine and eastern Turkey, as well as some location in the South Caucasus with probability for exceeding upper tercile around 70% in Ukraine.

In the period from January 11<sup>th</sup> to February 7<sup>th</sup> 2021, above average temperature is predicted for the south Balkans, Turkey, South Caucasus and Middle East, with anomaly reaching around +3°C and probability up to 90% for exceeding upper tercile. In rest of the region average monthly temperature is expected. Precipitation surplus is forecasted for most of Turkey and south Caucasus, as well as Ukraine, with probability up to 90% for exceeding upper tercile.

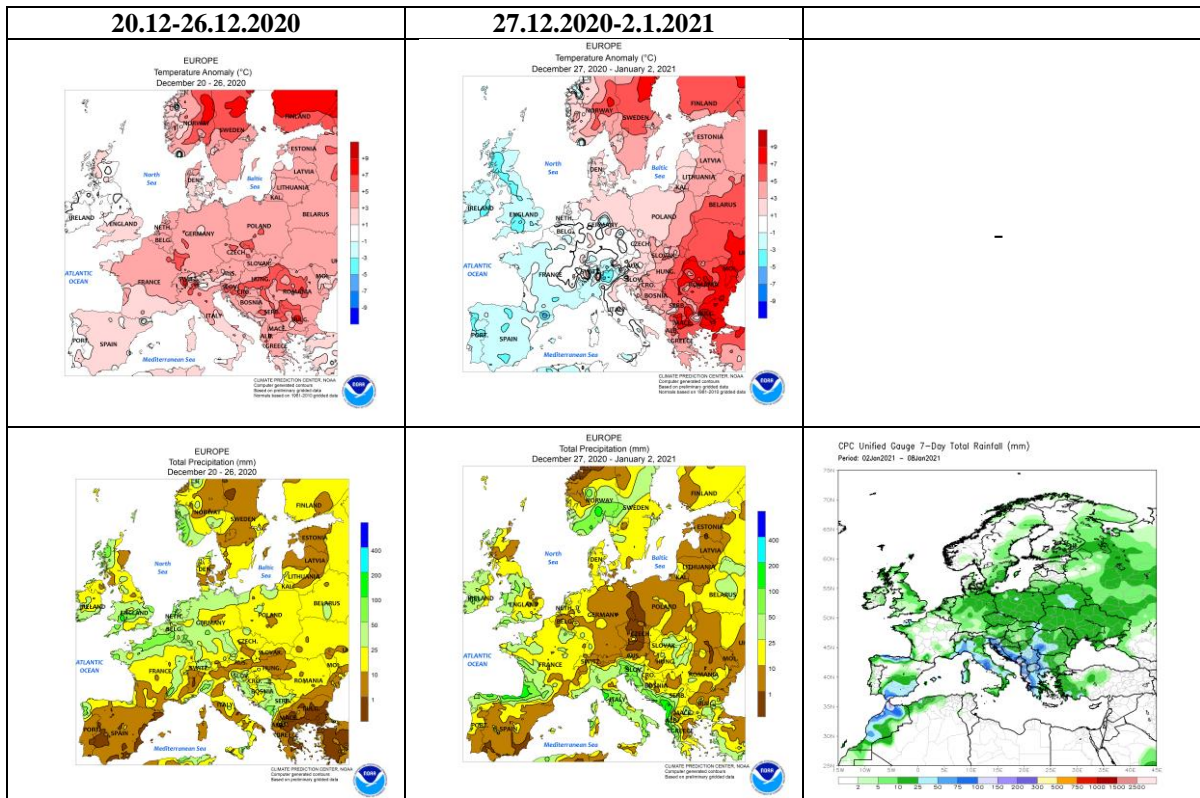
During the following three months (January, February and March) seasonal forecast predicts above normal seasonal air temperature for most of the region, while in parts of Turkey and southern Balkans average temperature is forecasted. Precipitation surplus is expected for northern Turkey and Carpathian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

## **Update**

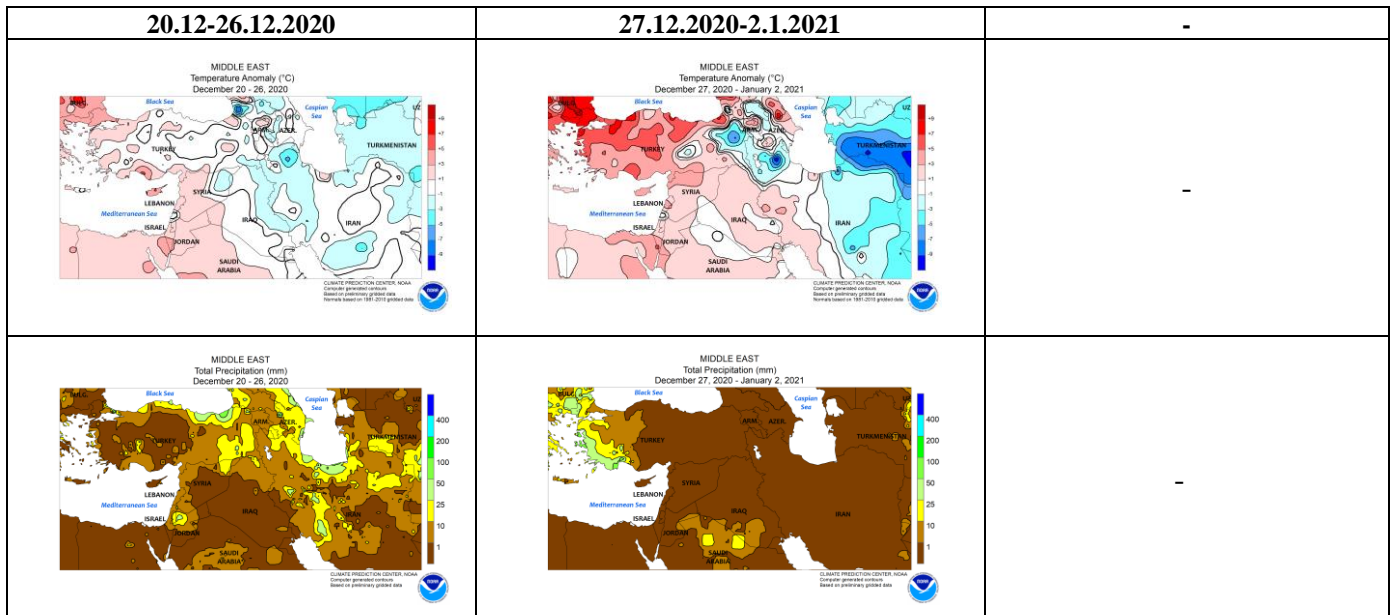
An updated statement will be issued on 25-1-2021

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

# ANNEX

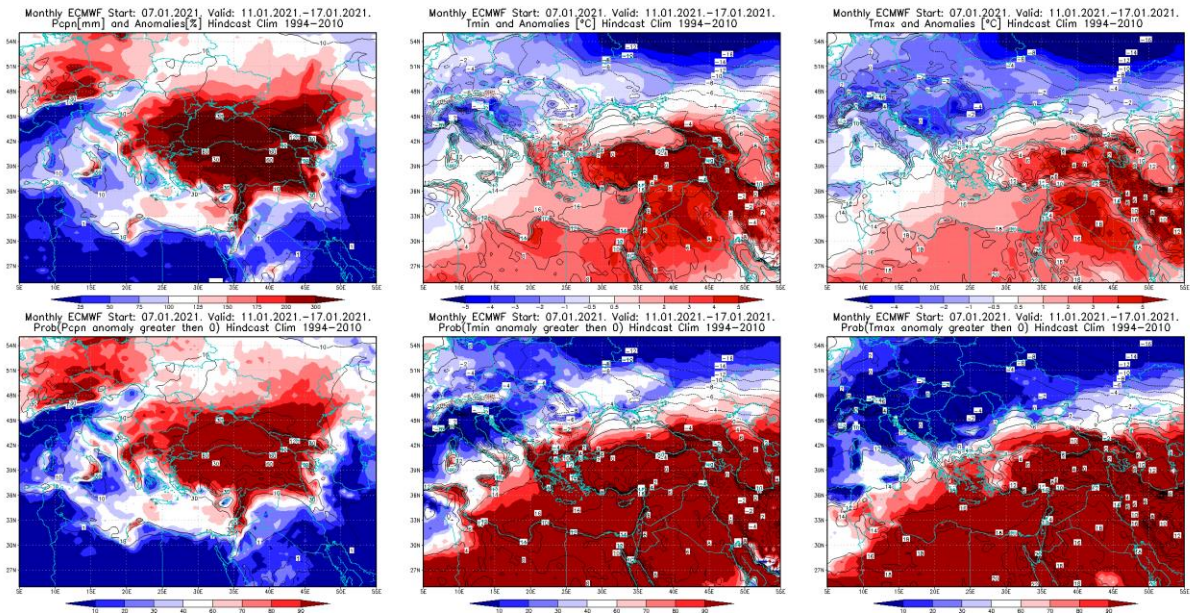


**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

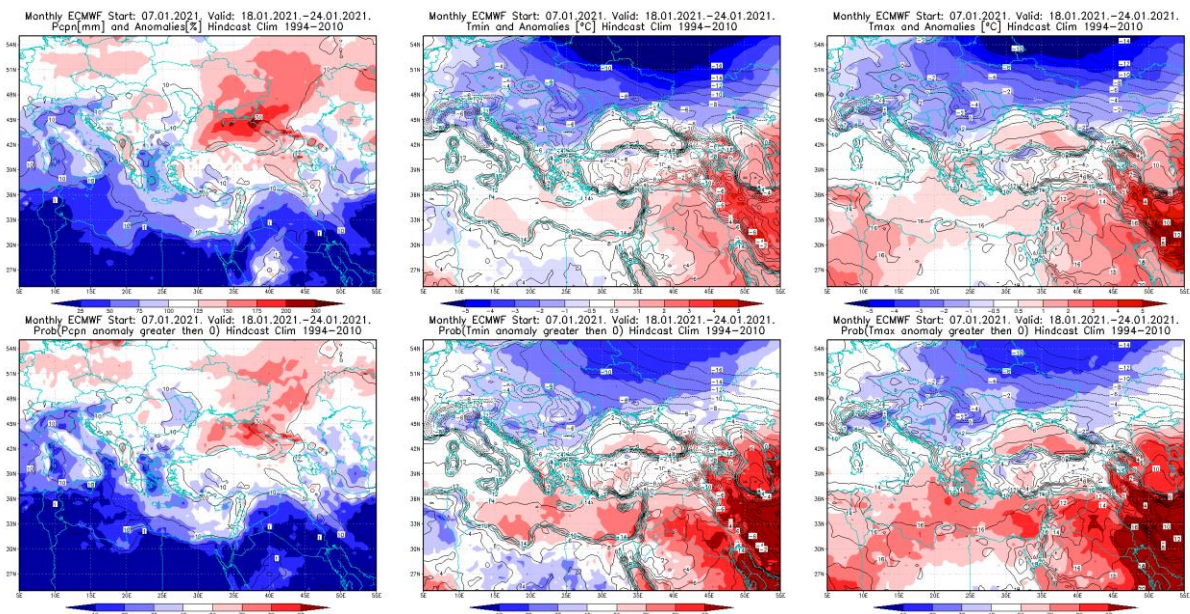


**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



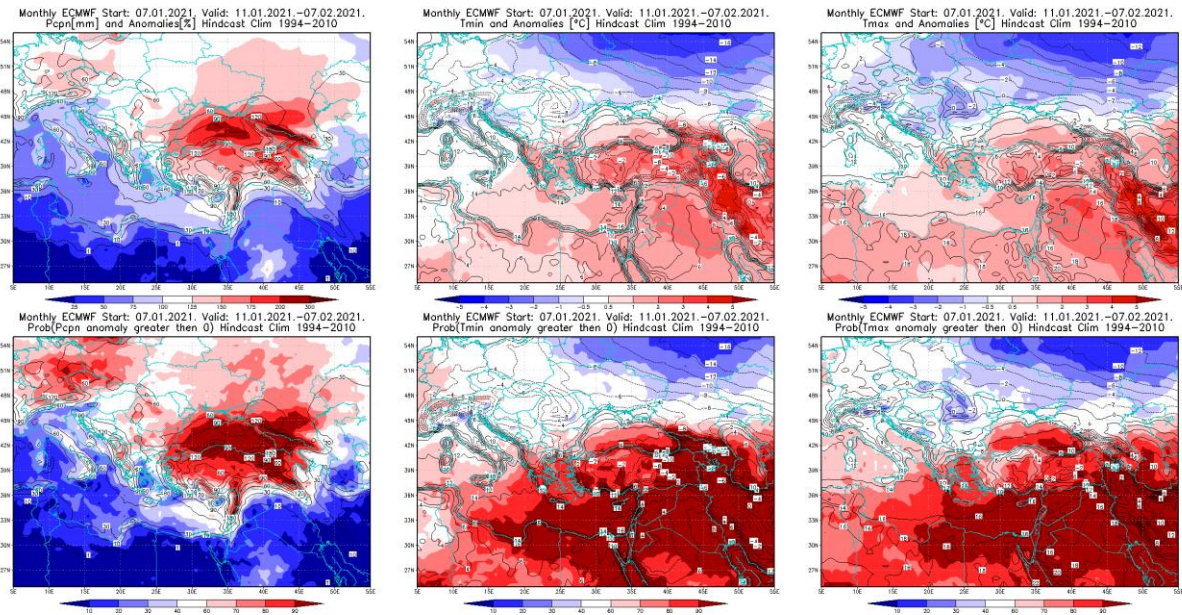


**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 11.1–17.1.2021 period

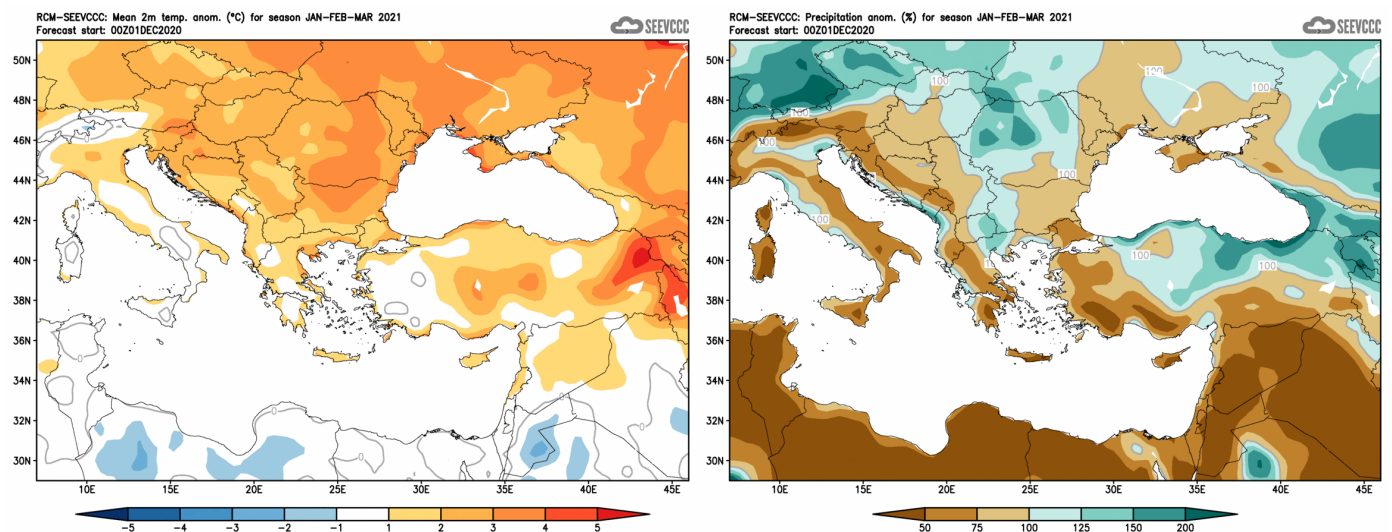


**Figure 4.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 18.1–24.1.2021 period





**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 11.1–7.2.2021 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/>)