

## Climate Watch (Serial No.: 20210301 – 09)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / 1-3-2021 16:00 P.M.  
Cancelled

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Valid from – to: 1-3-2021 – 31-5-2021 Next amendment: 8-3-2021

Region of concern: **Turkey, South Caucasus**

**„Within the first week (March 1st to 7th 2021), ECMWF monthly forecast predicts below normal mean weekly air temperature for Turkey and South Caucasus, with anomaly up to -5°C and more than 90% probability for exceeding lower tercile. Average temperature is predicted for most of the Balkans. Precipitation deficit is expected in most of the region, with up to 90% probability for exceeding lower tercile.”**

### Monitoring

During the period from February 21<sup>st</sup> to 27<sup>th</sup> 2021, precipitation sums were mostly below 25 mm, in most of the region.

## **Outlook**

Within the first week (March 1<sup>st</sup> to 7<sup>th</sup> 2021), ECMWF monthly forecast predicts below normal mean weekly air temperature for Turkey and South Caucasus, with anomaly up to -5°C and more than 90% probability for exceeding lower tercile. Average temperature is predicted for most of the Balkans. Precipitation deficit is expected in most of the region, with up to 90% probability for exceeding lower tercile.

During the second week (March 8<sup>th</sup> to 14<sup>th</sup> 2021), below average temperature is predicted for central and eastern Turkey, as well as South Caucasus with anomaly reaching up to -4°C and around 80% probability for exceeding lower tercile. In rest of the region average temperature is expected. Average precipitation sums are predicted for most of the region.

In the period from March 1<sup>st</sup> to 28<sup>th</sup> 2021, below average temperature is predicted for eastern Turkey and South Caucasus with anomaly reaching up to -3°C. Probability for exceeding lower tercile is up to 80%. In rest of the region average temperature is expected. Precipitation deficit is expected for most of the region, with around 70% probability for exceeding lower tercile.

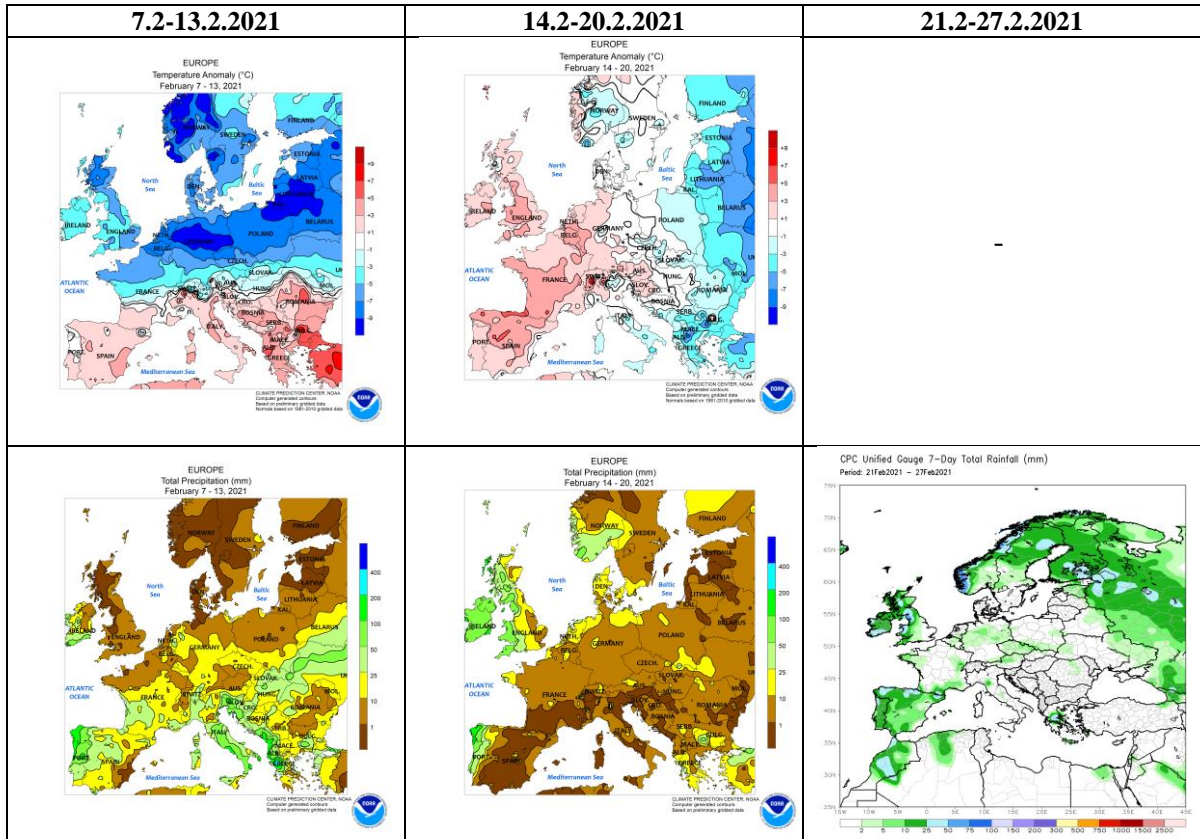
During the following three months (March, April and May) seasonal forecast predicts above normal seasonal air temperature for most of the region. Precipitation surplus is expected for south Adriatic Sea coast, eastern Turkey, Carpathian and South Caucasus region, as well as south Ukraine and some locations in the south Balkans. Precipitation deficit is predicted for the southernmost Balkans, Cyprus, western Turkey and Middle East. Average seasonal precipitation sums are expected in rest of the region.

## **Update**

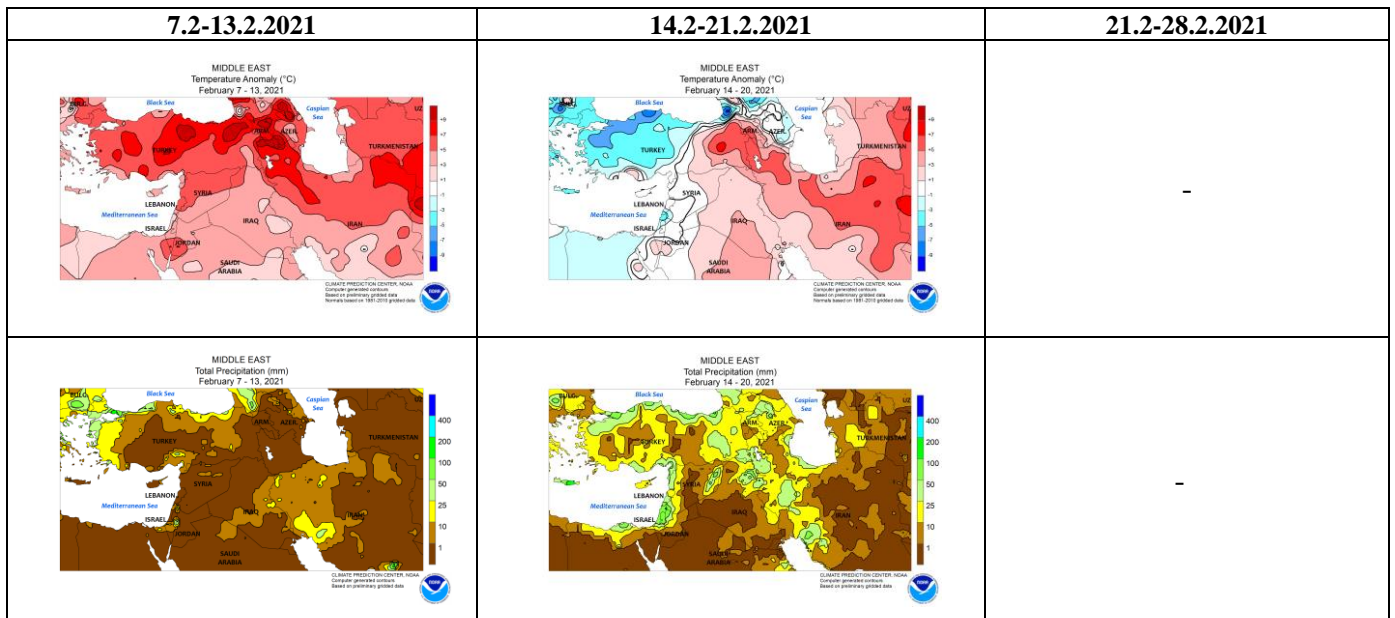
An updated statement will be issued on 8-3-2021

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

**ANNEX**

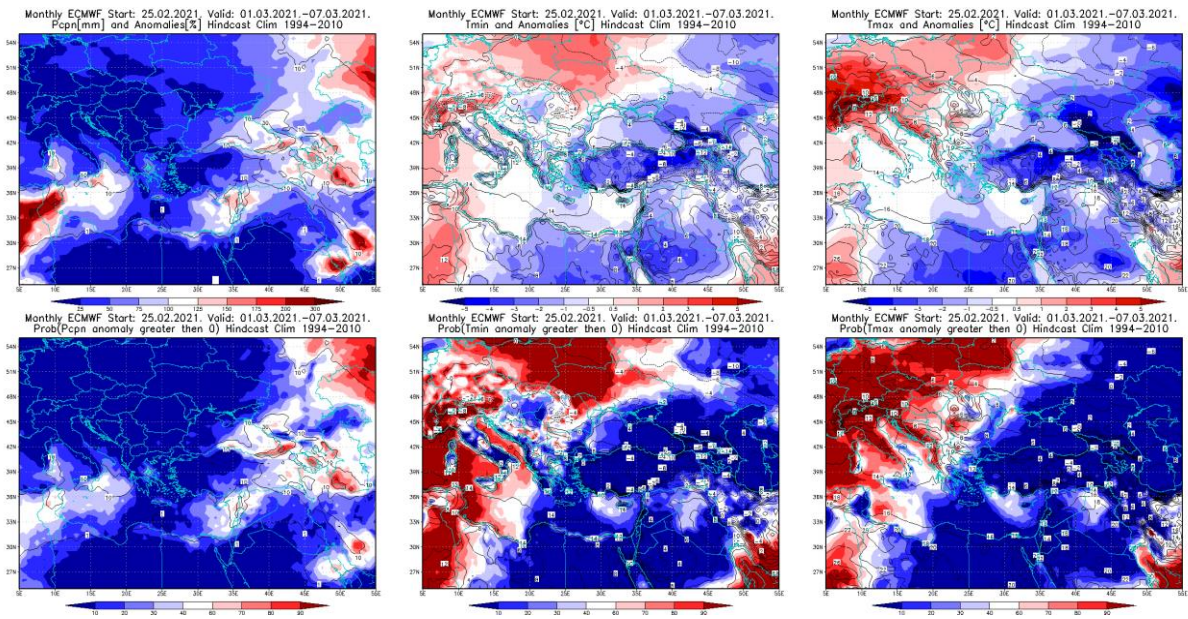


**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

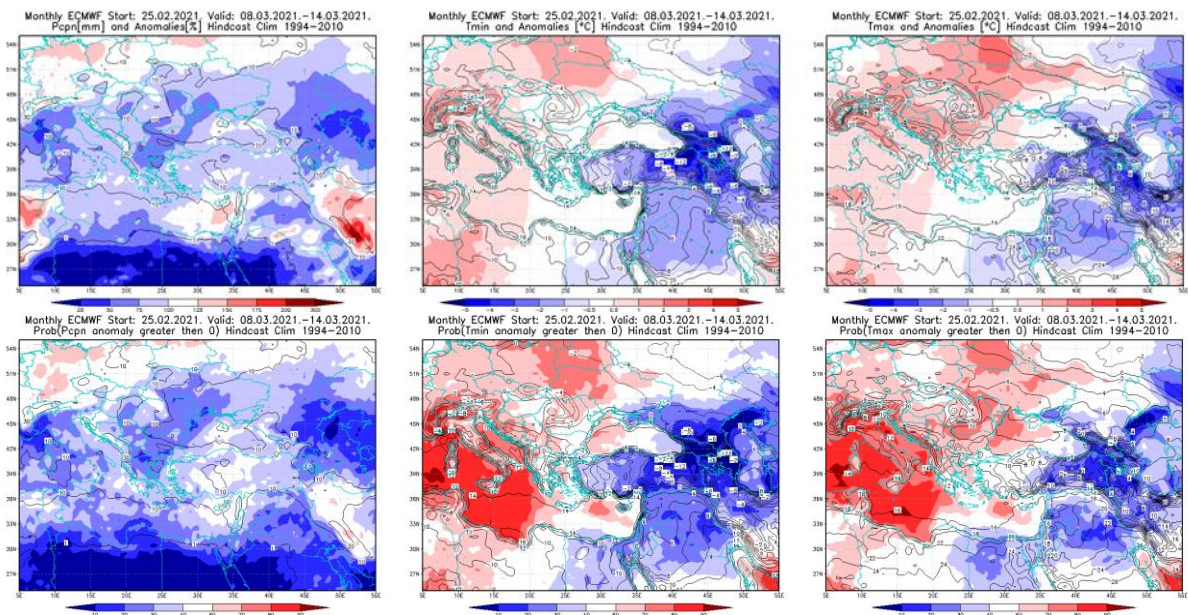


**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



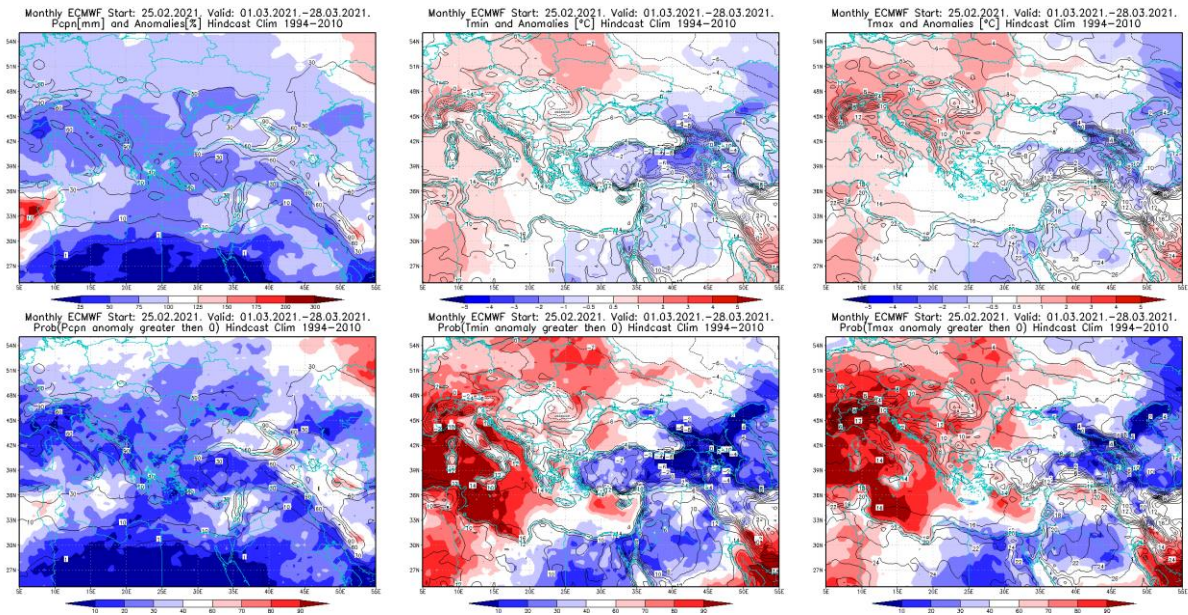


**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 1.3–7.3.2021 period

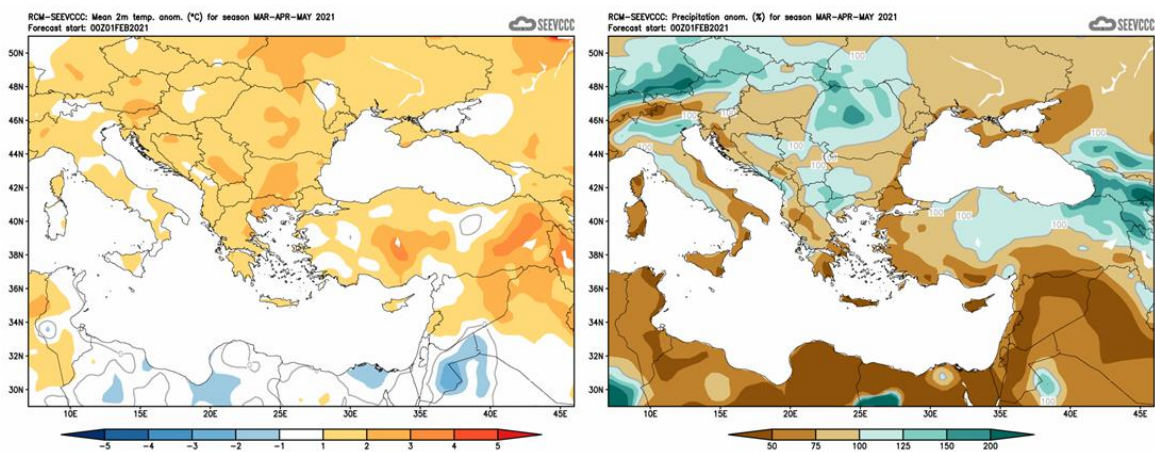


**Figure 4.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 8.3–14.3.2021 period





**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 1.3 –28.3.2021 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/>)