

## Climate Watch (Serial No.: 20210419 – 16)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / 19-4-2021 16:00 P.M.  
Cancelled

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Valid from – to: 19-4-2021 – 31-7-2021 Next amendment: 26-4-2021

Region of concern: **SEE**

**„Within the first week (19 - 25 April 2021), ECMWF monthly forecast predicts below normal mean weekly air temperature for most of Balkans, Moldova and Ukraine with anomaly up to  $-3^{\circ}\text{C}$  and more than 90% probability for exceeding lower tercile. Above average temperature is predicted for most of Turkey, South Caucasus as well as Middle East with anomaly reaching up to  $+3^{\circ}\text{C}$  and up to 90% probability for exceeding upper tercile. Precipitation surplus is predicted for most of south and eastern Balkans, as well as for Moldova and Ukraine with around 90% probability for exceeding upper tercile. Precipitation deficit is predicted for most of Turkey, South Caucasus, Middle East and along Adriatic and Aegean coast with up to 90% probability for exceeding lower tercile.”**

### Monitoring

During the period from 12<sup>th</sup> April to 18<sup>th</sup> April 2021, precipitation sums were mostly below 25 mm, in most of the region, while some parts of the northwestern most Balkans and northernmost Turkey, as well as parts of the south Balkans received more than 50 mm of precipitation.

## **Outlook**

Within the first week (19 - 25 April 2021), ECMWF monthly forecast predicts below normal mean weekly air temperature for most of Balkans, Moldova and Ukraine with anomaly up to  $-3^{\circ}\text{C}$  and more than 90% probability for exceeding lower tercile. Above average temperature is predicted for most of Turkey, South Caucasus as well as Middle East with anomaly reaching up to  $+3^{\circ}\text{C}$  and up to 90% probability for exceeding upper tercile. Precipitation surplus is predicted for most of south and Eastern Balkans, as well as for Moldova and Ukraine with around 90% probability for exceeding upper tercile. Precipitation deficit is predicted for most of Turkey, South Caucasus, Middle East and along Adriatic and Aegean coast with up to 90% probability for exceeding lower tercile.

During the second week (26 April to 2 May), above average temperature is predicted for Turkey, South Caucasus and Middle East with anomaly up to  $+3^{\circ}\text{C}$  and up to 80% probability for exceeding upper tercile. Below normal mean weekly air temperature is expected in most of the Balkans, Moldova and Ukraine with anomaly up to  $-2^{\circ}\text{C}$ . Probability for the exceeding lower tercile up to 70%. Precipitation surplus is predicted for most of Ukraine with small probability for the exceeding upper tercile. Precipitation deficit is predicted for most of the southern Turkey, South Caucasus, Middle East and Eastern Mediterranean with around 70% probability for exceeding lower tercile.

In the period from 19 April to 16 May 2021, above average temperature is predicted for Turkey, South Caucasus and Middle East with anomaly around  $+2^{\circ}\text{C}$  and up to 90% probability for exceeding upper tercile. Below normal mean weekly air temperature is expected in parts of central Balkans, Carpathian region as well as eastern Ukraine with anomaly around  $-2^{\circ}\text{C}$  and up to 80% probability for exceeding lower tercile. Precipitation surplus is expected for eastern Ukraine with up to 80% for exceeding upper tercile. Precipitation deficit is predicted for southern Turkey, as well as South Caucasus and Eastern Mediterranean with up to 80% probability for exceeding lower tercile. Average precipitation sums is expected for the rest of the region.

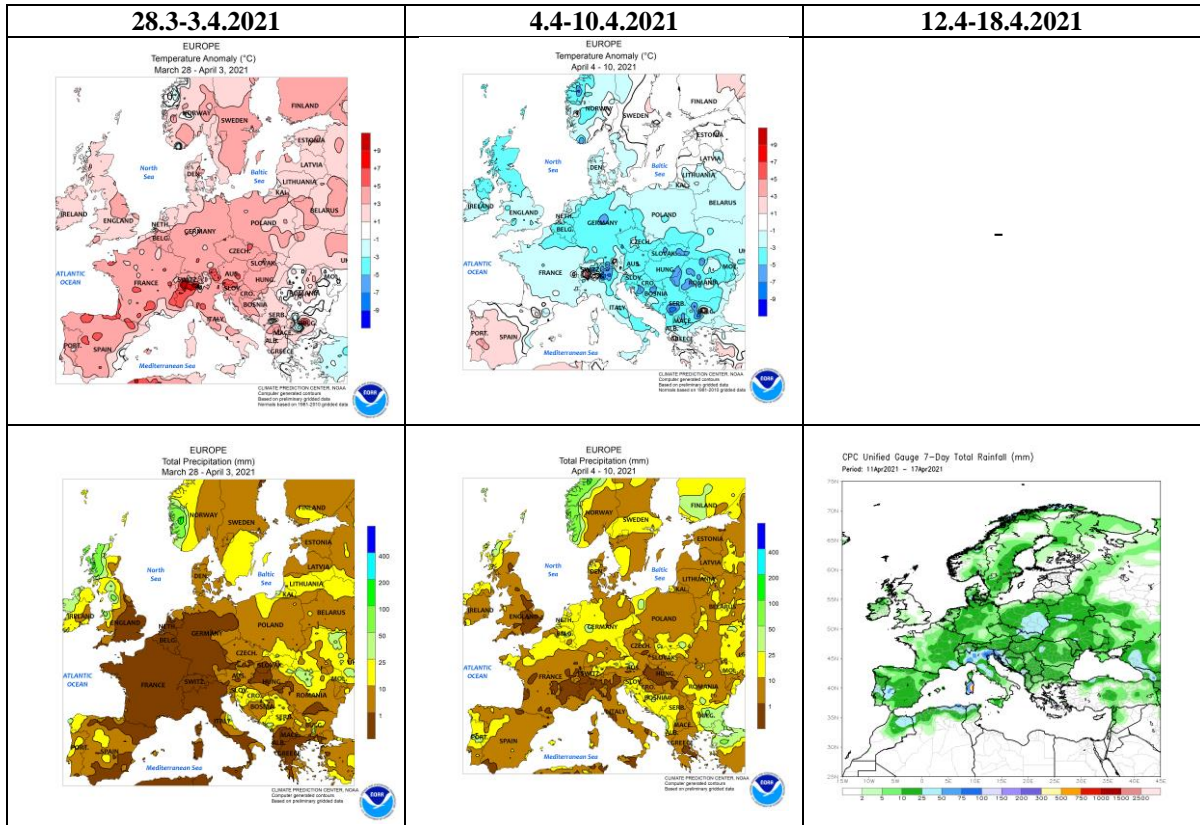
During the following three months (May, June and July) seasonal forecast predicts above normal seasonal air temperature for most of the region. Precipitation surplus is expected for Carpathian and South Caucasus region, eastern Turkey, as well as some parts of Ukraine. Precipitation deficit is predicted for the some locations on the southern and eastern Balkans, parts of central Balkans, southern Ukraine, as well as western and southern Turkey. Average seasonal precipitation sums are expected in rest of the region.

## **Update**

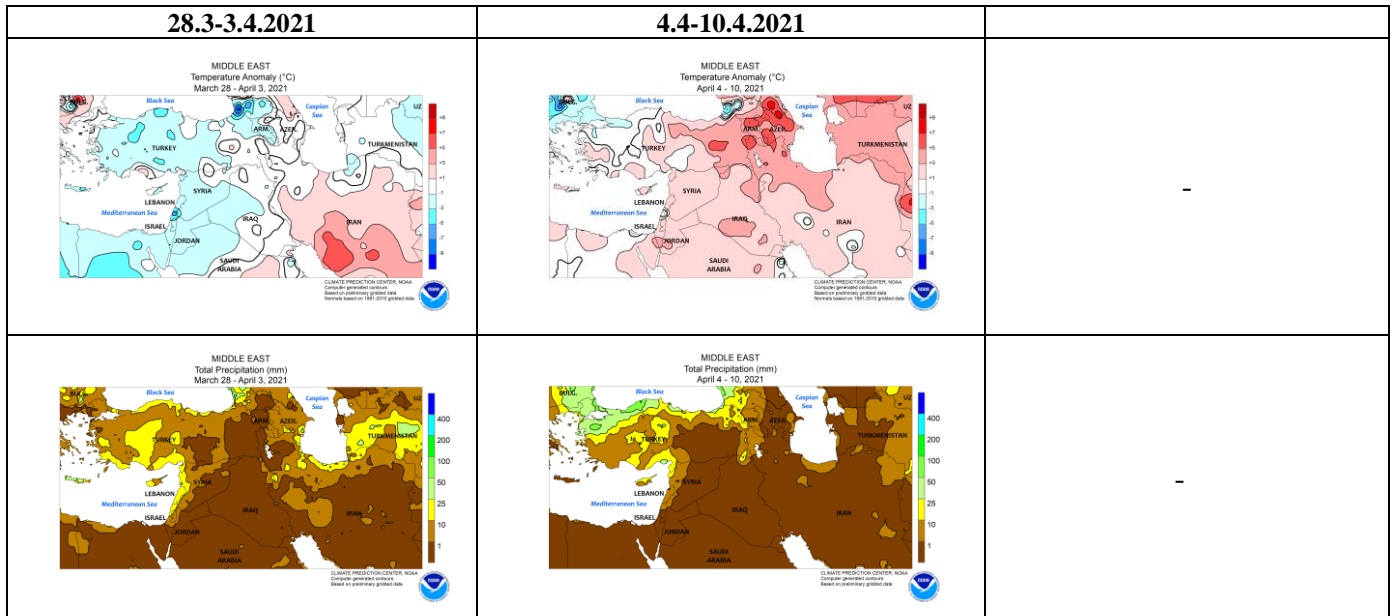
An updated statement will be issued on 19-4-2021

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

**ANNEX**

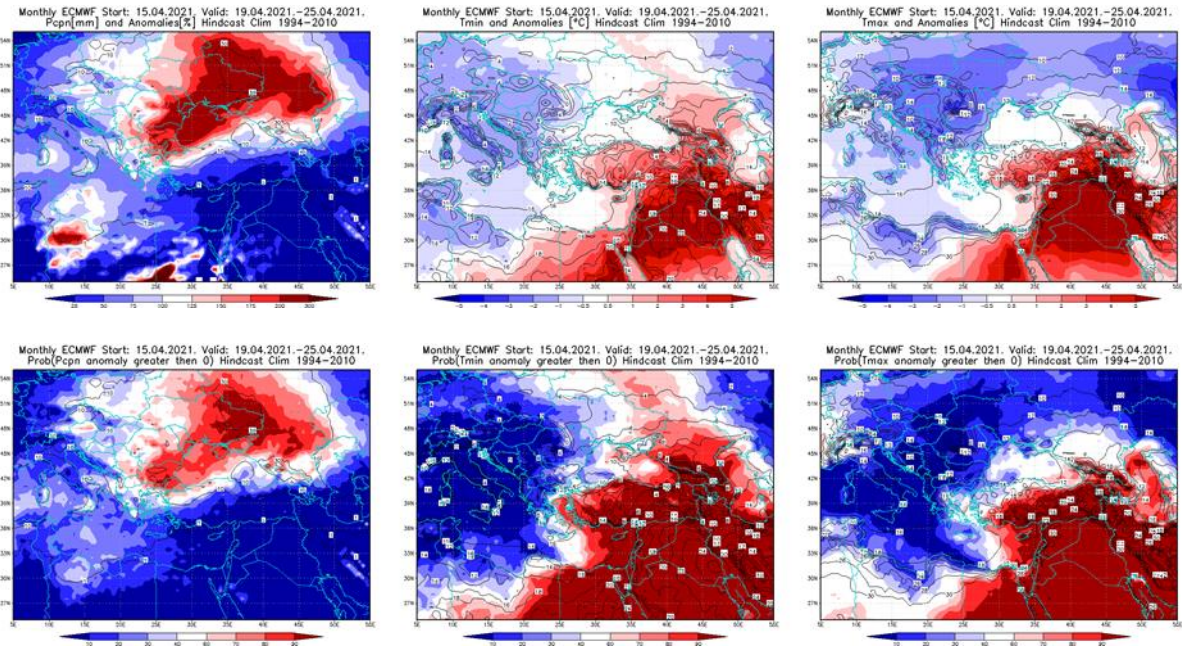


**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

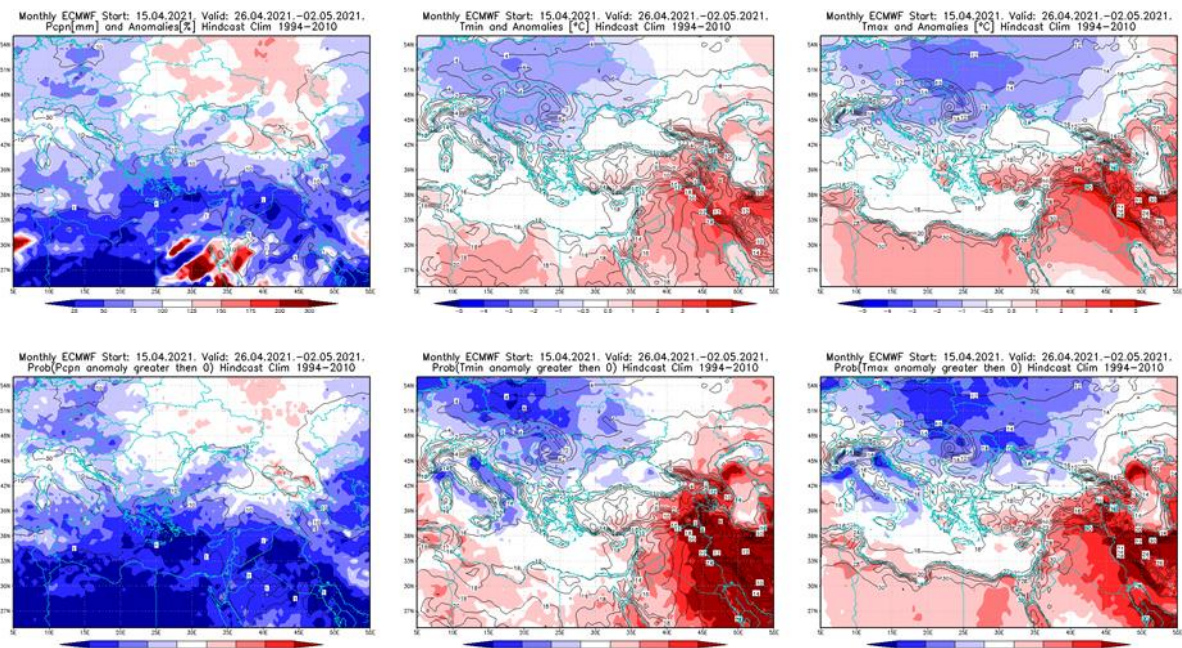


**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



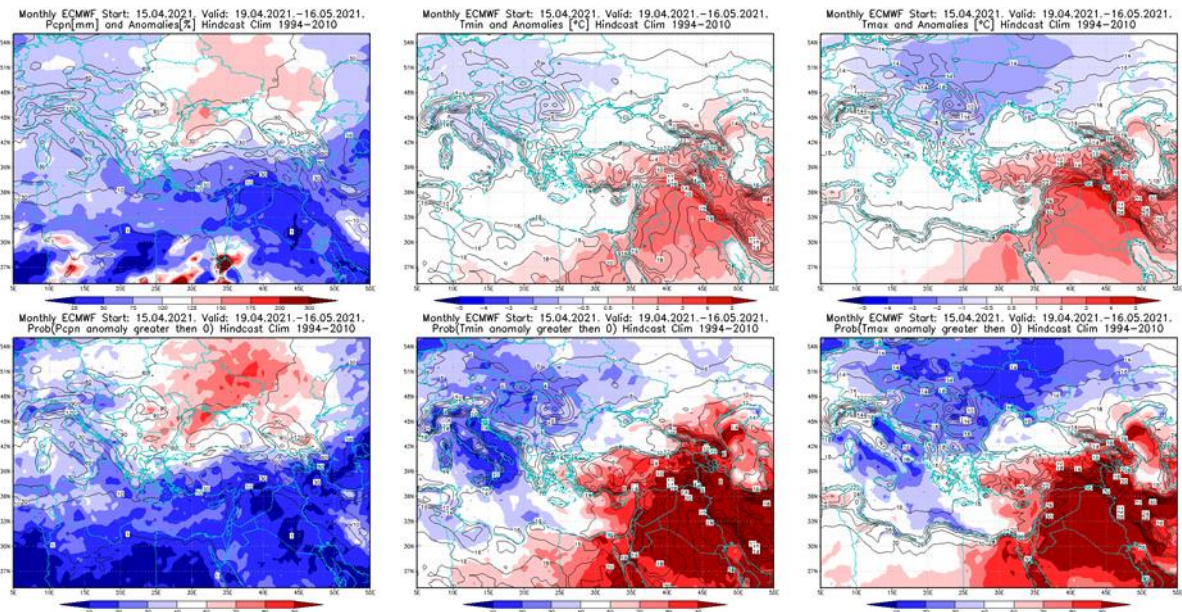


**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 19.4-25.4.2021 period

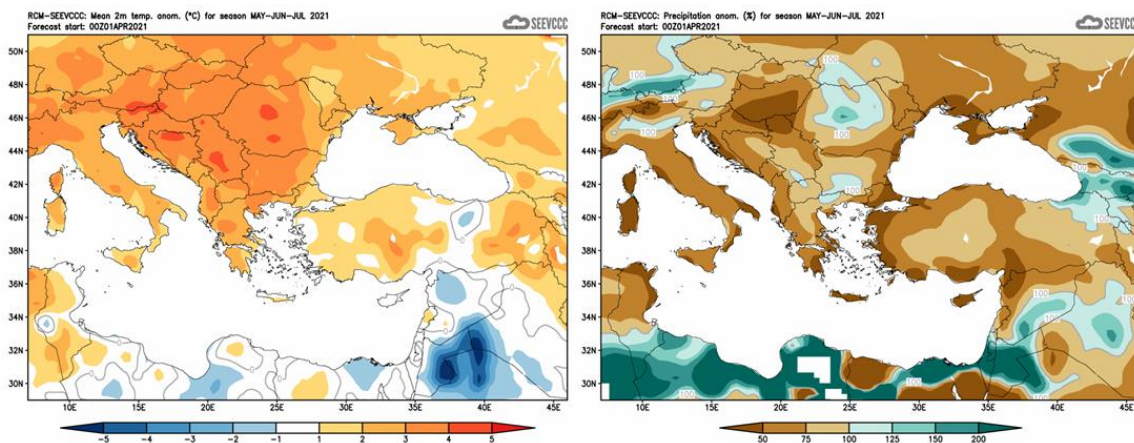


**Figure 4.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 26.4-2.5.2021 period





**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 19.4–16.5.2021 period



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