

## Climate Watch (Serial No.: 20230403–13)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 3-4-2023 16:00 P.M.

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Valid from – to: 3-4-2023 – 30-6-2023 Next amendment: 10-4-2023

Region of concern: **SEE**

**„Within the first week (3 to 9 April 2023), ECMWF monthly forecast predicts below average mean weekly temperature, with anomaly from -3°C up to -6°C in most of the Balkans, with up to 90% probability for exceeding lower tercile. Above normal temperature with anomaly up to +3°C is expected in eastern Turkey with around 80% probability for exceeding upper tercile. Precipitation surplus is predicted for the central, eastern and southern Balkans and western Turkey. Probability for exceeding upper tercile is around 90%.“**

### Monitoring

During the period from 24 to 30 March 2023, weekly precipitation sums were below 25 mm in most of the region. In part of the southern Serbia and eastern Turkey, precipitation sums were up to 100 mm.

## **Outlook**

Within the first week (3 to 9 April 2023), ECMWF monthly forecast predicts below average mean weekly temperature, with anomaly from  $-3^{\circ}\text{C}$  up to  $-6^{\circ}\text{C}$  in most of the Balkans, with up to 90% probability for exceeding lower tercile. Above normal temperature with anomaly up to  $+3^{\circ}\text{C}$  is expected in eastern Turkey with around 80% probability for exceeding upper tercile. Precipitation surplus is predicted for the central, eastern and southern Balkans and western Turkey. Probability for exceeding upper tercile is around 90%.

During the second week (10 to 16 April 2023), below average mean weekly air temperature, with anomaly up to  $-3^{\circ}\text{C}$ , is expected in eastern parts of the Balkans. Probability for exceeding lower tercile is up to 70%. In rest of the region average mean weekly temperature is expected. In most of the region average weekly precipitation sums are expected.

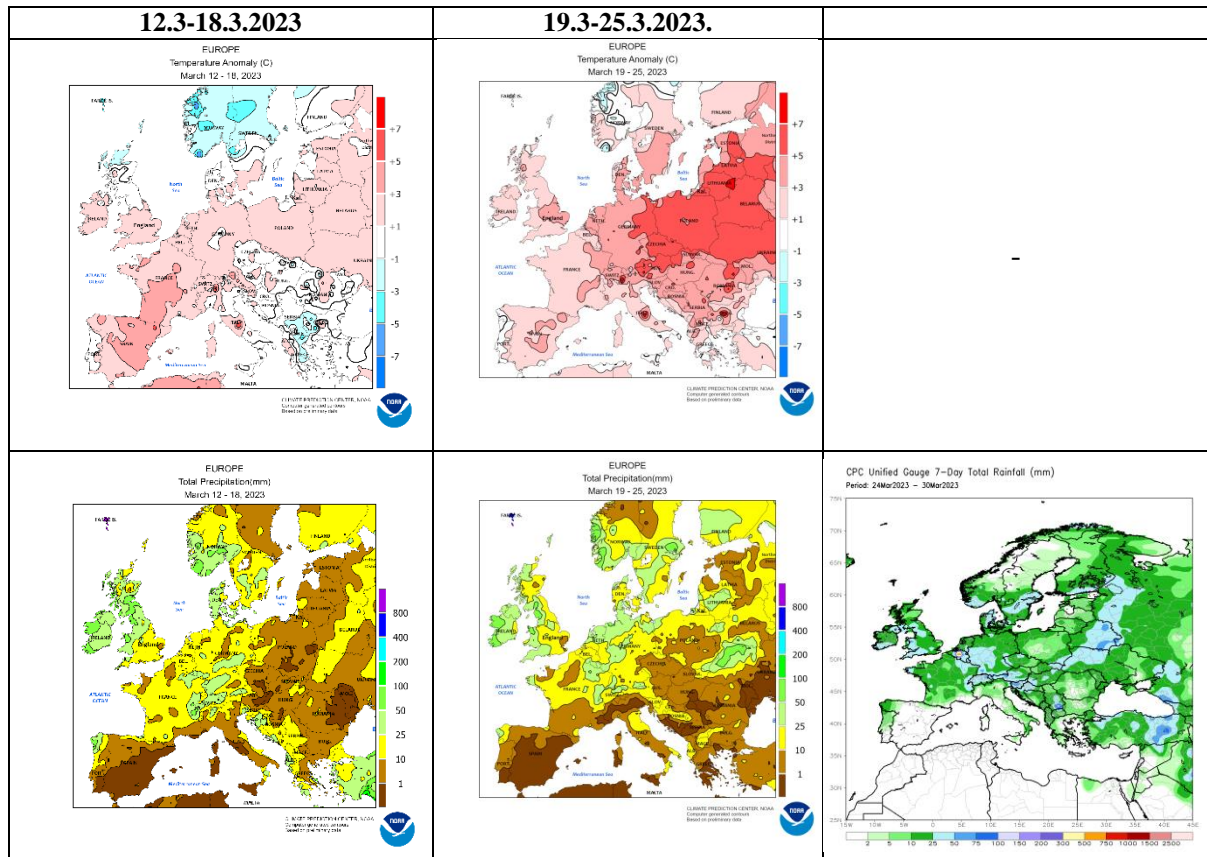
During the following three months (April, May and June), seasonal forecast predicts above average seasonal air temperature in most of the region. Average precipitation is expected in most of the region. Precipitation surplus is expected in the Carpathians, northeastern Turkey and South Caucasus. Precipitation deficit is predicted for the eastern Balkans and western Turkey.

## **Update**

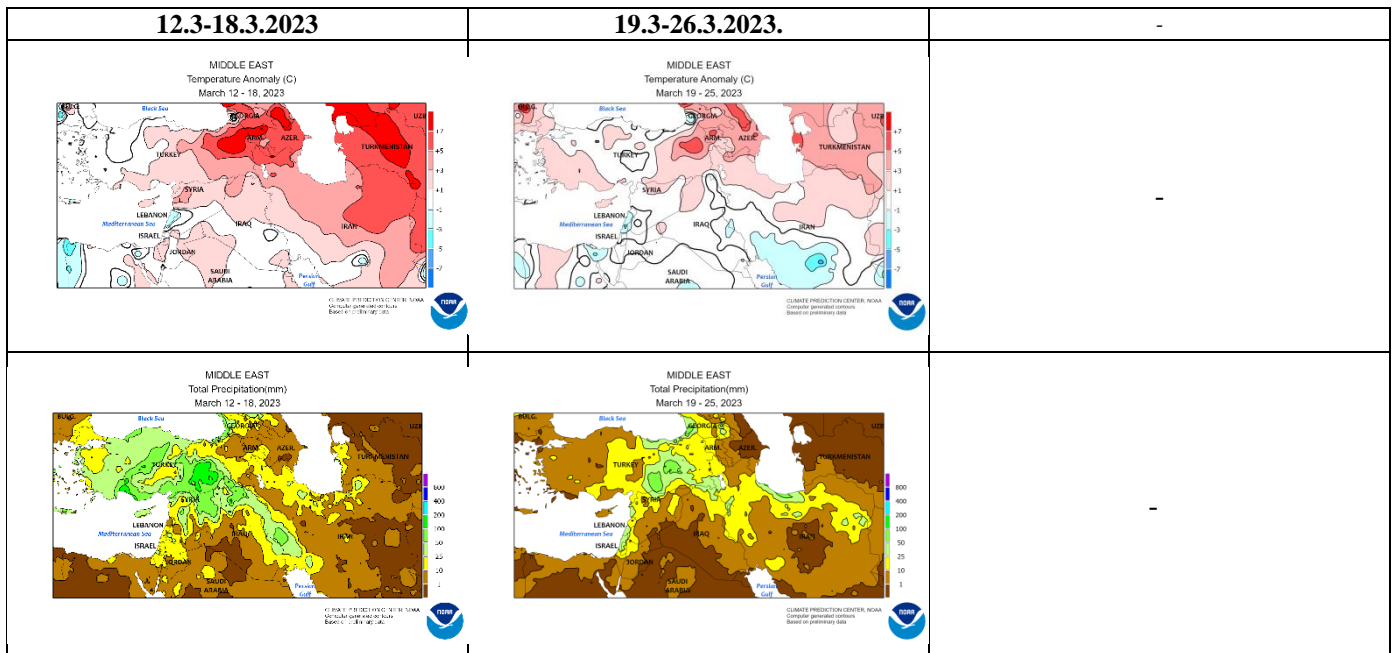
An updated statement will be issued on 10-4-2023

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

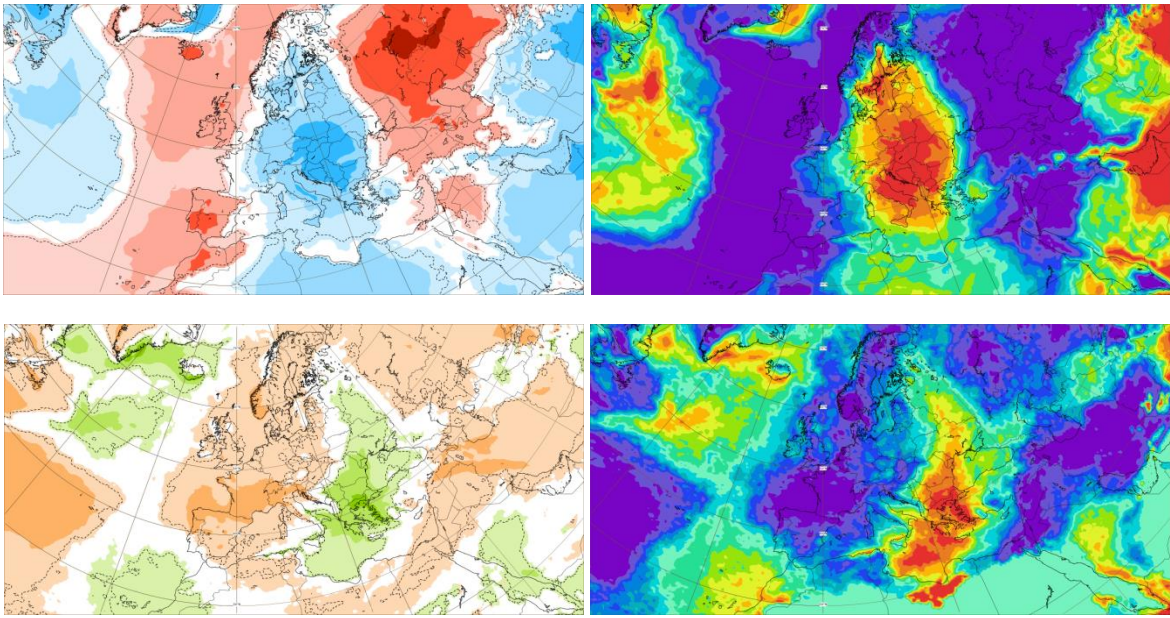
# ANNEX



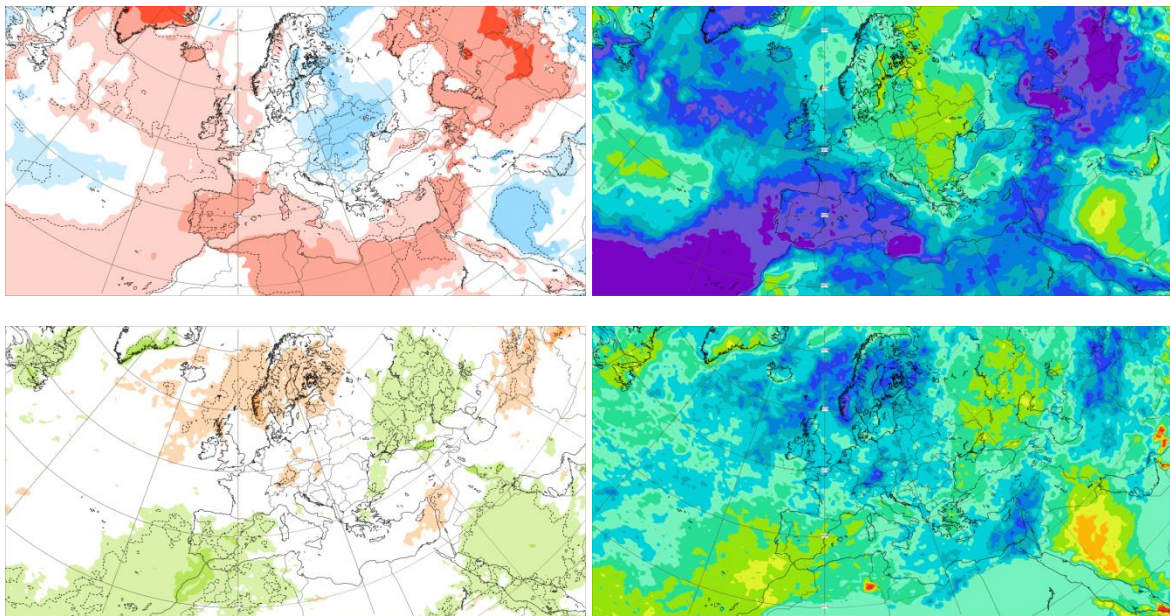
**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



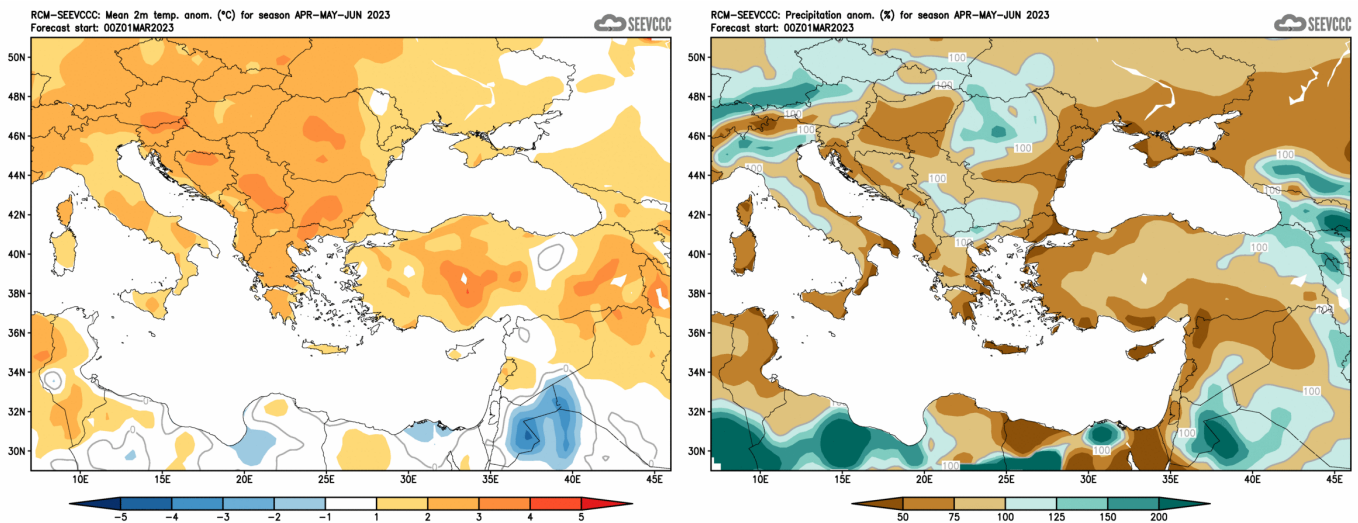
**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)



**Figure 3.** Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 3.4–9.4.2023 period



**Figure 4.** Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 3.4–9.4.2023 period



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