

## Climate Watch (Serial No.: 20230213–6)

Initial/Updated/Final

Topic: **precipitation** and **temperature**

Organization issuing the statement: SEEVCCC

Issued/ Amended / 13-2-2023 16:00 P.M.

Cancelled

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Valid from – to: 13-2-2023 – 30-4-2023

Next amendment: 20-2-2023

Region of concern: **SEE**

**„Within the first week (13 to 19 February 2023), ECMWF monthly forecast predicts below average mean weekly air temperature, with anomaly from  $-3^{\circ}\text{C}$  to  $-10^{\circ}\text{C}$ , in most of Turkey and South Caucasus. Probability for exceeding lower tercile is up to 90%. Above normal temperature, with anomaly up to  $+3^{\circ}\text{C}$ , is predicted for northern and central parts of the Balkans with around 90% probability for exceeding upper tercile. Precipitation deficit is forecasted for most of the region with up to 90% probability for exceeding lower tercile.“**

### Monitoring

During the period from 5 to 11 February 2023, weekly precipitation sums were below 25 mm in most of the region. In parts of southern Greece and northern and southeastern Turkey weekly precipitation totals were up to 75 mm.

## **Outlook**

Within the first week (13 to 19 February 2023), ECMWF monthly forecast predicts below average mean weekly air temperature, with anomaly from  $-3^{\circ}\text{C}$  to  $-10^{\circ}\text{C}$ , in most of Turkey and South Caucasus. Probability for exceeding lower tercile is up to 90%. Above normal temperature, with anomaly up to  $+3^{\circ}\text{C}$ , is predicted for northern and central parts of the Balkans with around 90% probability for exceeding upper tercile. Precipitation deficit is forecasted for most of the region with up to 90% probability for exceeding lower tercile.

During the second week (20 to 26 February 2023), above average mean weekly air temperature, with anomaly up to  $+3^{\circ}\text{C}$ , is forecasted for southern and eastern parts of the Balkans. Probability for exceeding upper tercile is up to 70%. Below normal temperature, with anomaly up to  $-3^{\circ}\text{C}$  is expected for central Turkey. Probability for exceeding lower tercile is up to 80%. Precipitation deficit is forecasted for central and southern Turkey, with around 60% probability for exceeding lower tercile. Average precipitation sums are expected for most of the Balkans.

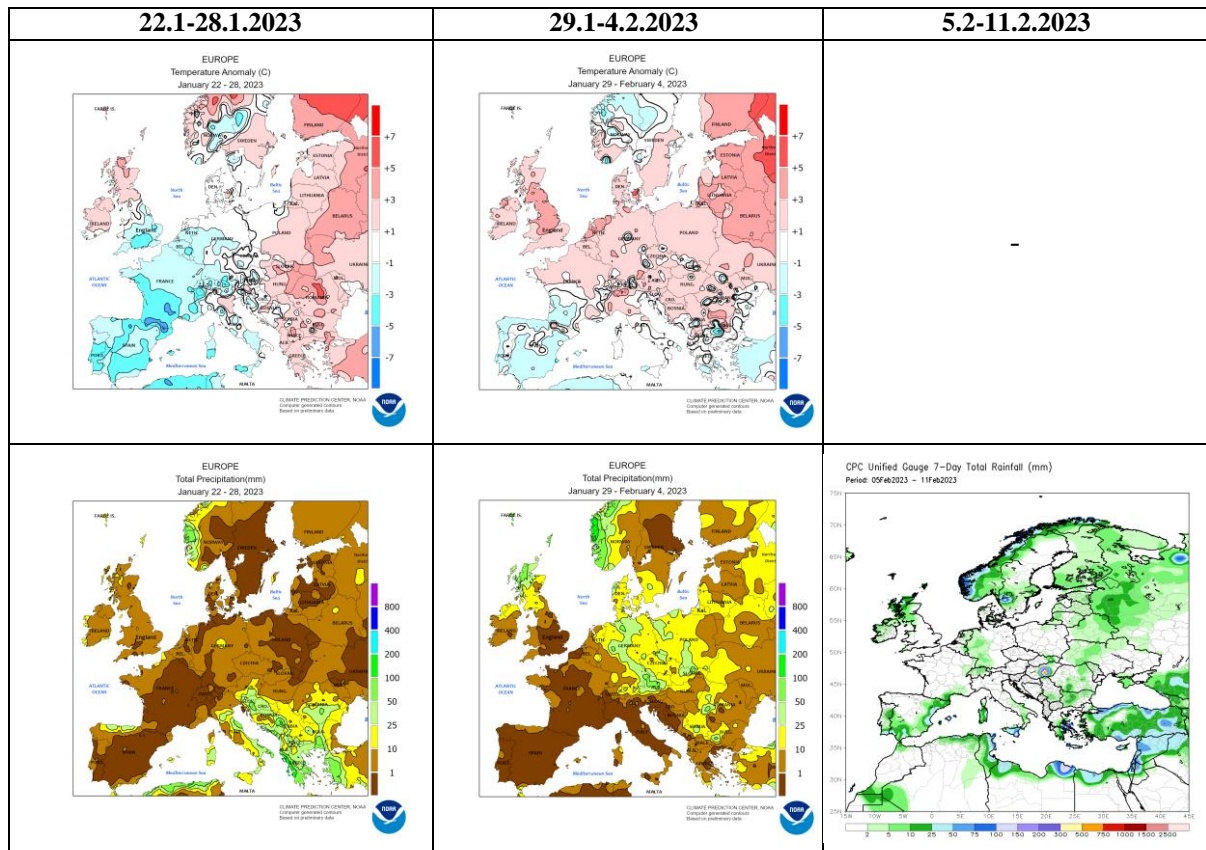
During the following three months (February, March and April), seasonal forecast predicts above average seasonal air temperature in northwestern and eastern Balkans, Ukraine, eastern Turkey and South Caucasus. Precipitation surplus is expected along southern part of the Adriatic Sea coast, some parts of the Carpathians, northern Turkey, western Ukraine and South Caucasus. Precipitation deficit is predicted for the northwestern and southern Balkans, southern and western Turkey and Middle East.

## **Update**

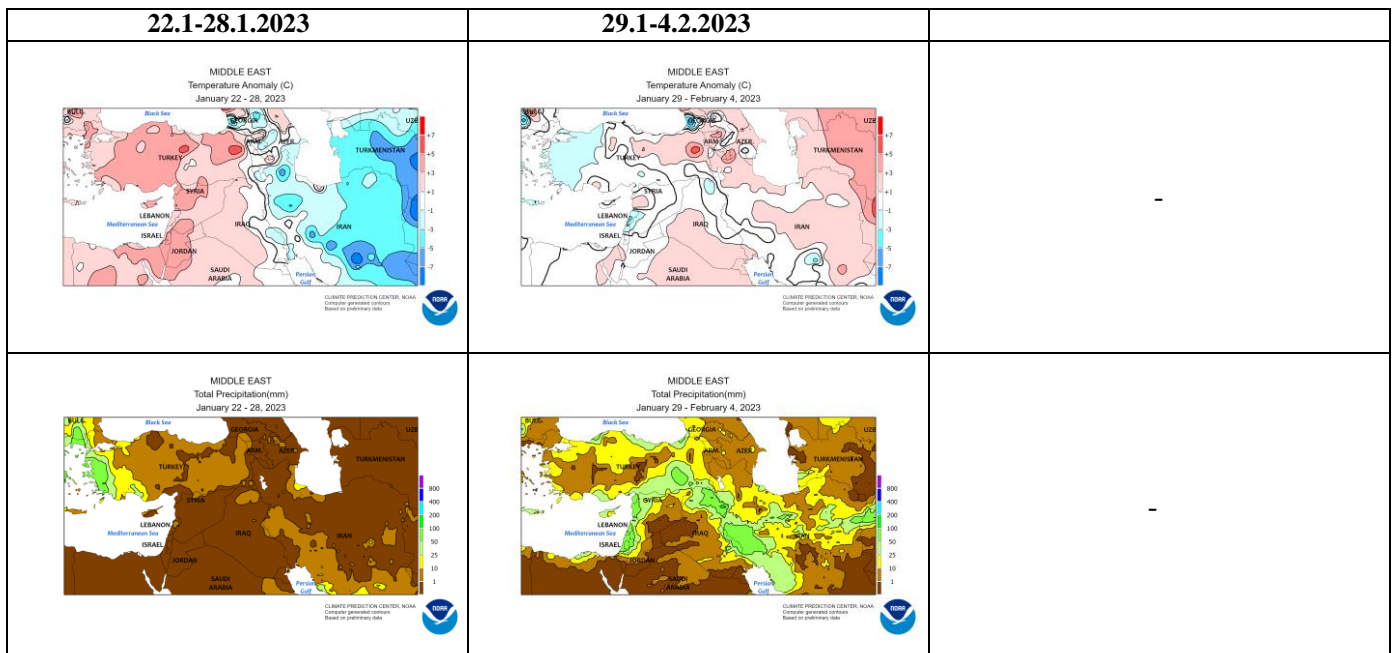
An updated statement will be issued on 20-2-2023

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

# ANNEX

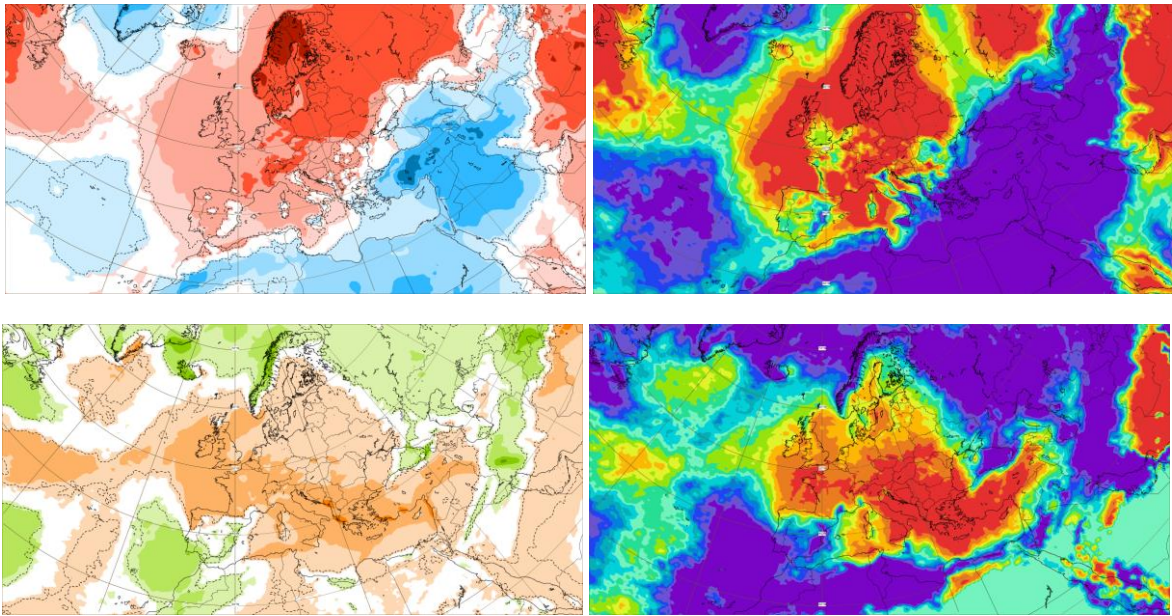


**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

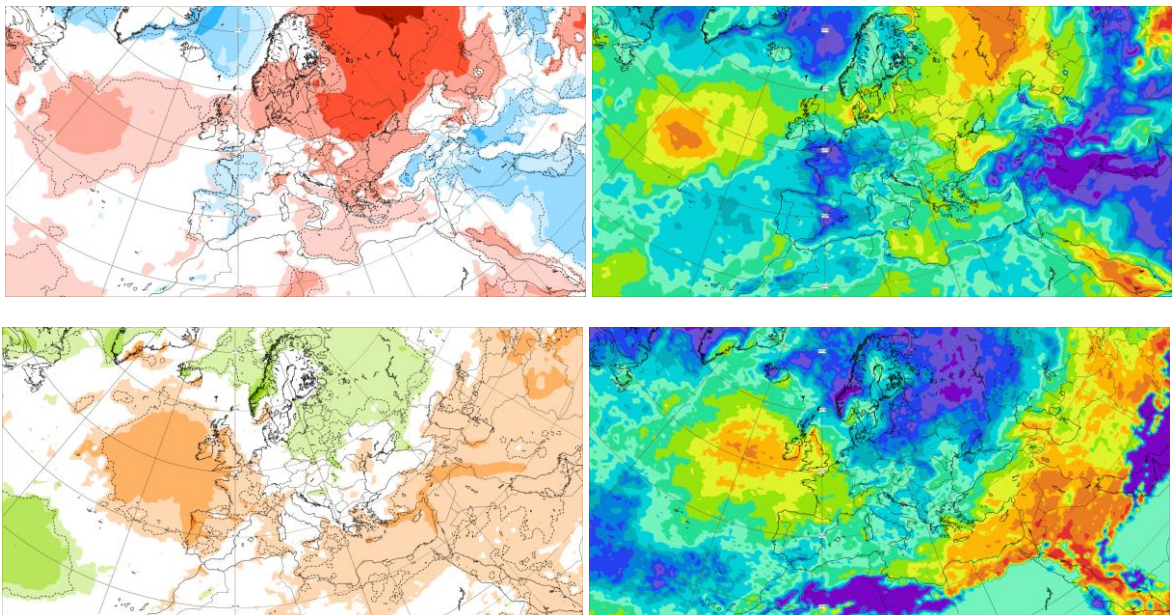


**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

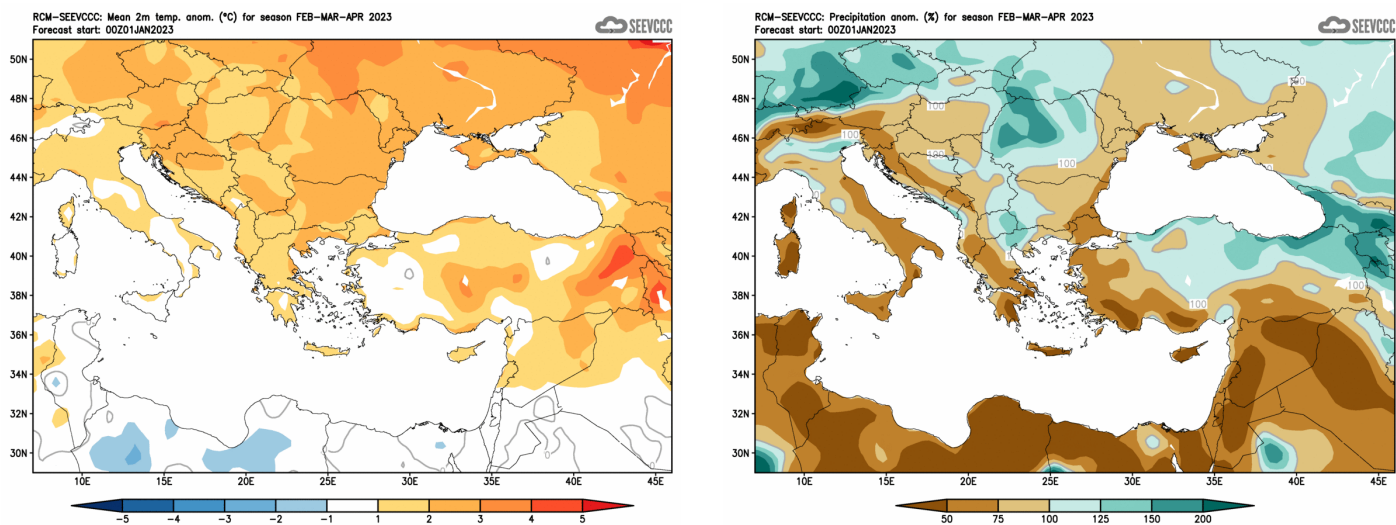




**Figure 3.** Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 13.2–19.2.2023 period



**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 lower tercile (lower row) for the 20.2–26.2.2023 period



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