

## Climate Watch (Serial No.: 20230102–51)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing SEEVCCC

the statement:

Issued/ Amended / 2-1-2023 16:00 P.M.

Cancelled

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Valid from – to: 2-1-2023 – 31-3-2023

Next amendment: 9-1-2023

Region of concern: **Balkans, Turkey, Ukraine**

**„Within the first week (2 to 8 January 2022), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly up to +6°C, in most of the Balkans, in Moldova, Ukraine, western Turkey and South Caucasus, 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 25 December to 31 December 2022, weekly precipitation sums were up to 50 mm in some parts of northern Turkey. In rest of the region, weekly precipitation totals were below 25 mm.

## **Outlook**

Within the first week (2 to 8 January 2022), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly up to +6°C, in most of the Balkans, in Moldova, Ukraine, western Turkey and South Caucasus, 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 (9 to 16 January 2022), above average mean weekly air temperature is forecasted for the Balkans with the exception of southern part, in Moldova, Ukraine, and part of western Turkey with anomaly up to +3°C, and with up to 70% probability for exceeding upper tercile. Precipitation deficit is forecasted for most of the Balkans and western Turkey, with up to 70% probability for exceeding lower tercile.

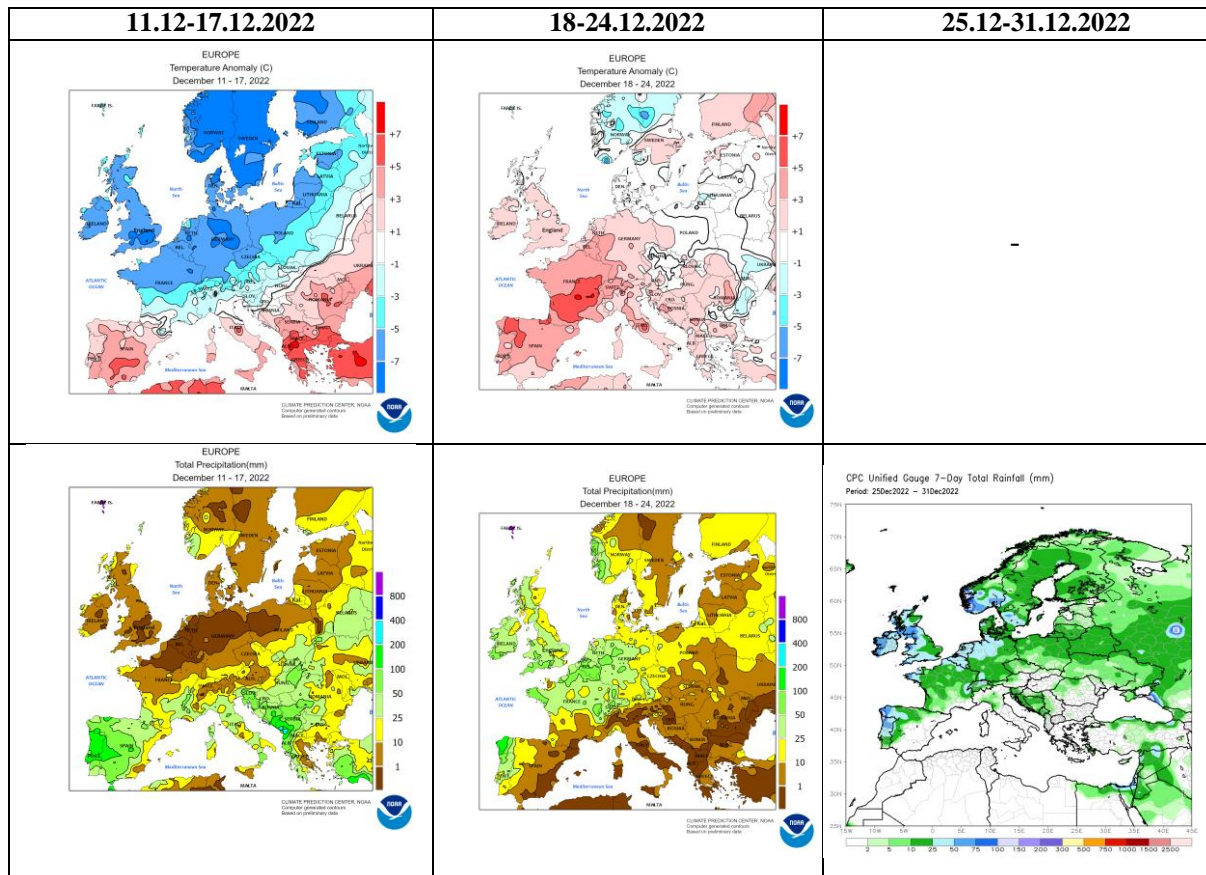
During the following three months (January, February and March), seasonal forecast predicts above average seasonal air temperature in most of the region, while average air temperature is expected in the southern and central parts of the Balkans, most of Turkey and western Georgia. Precipitation surplus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

## **Update**

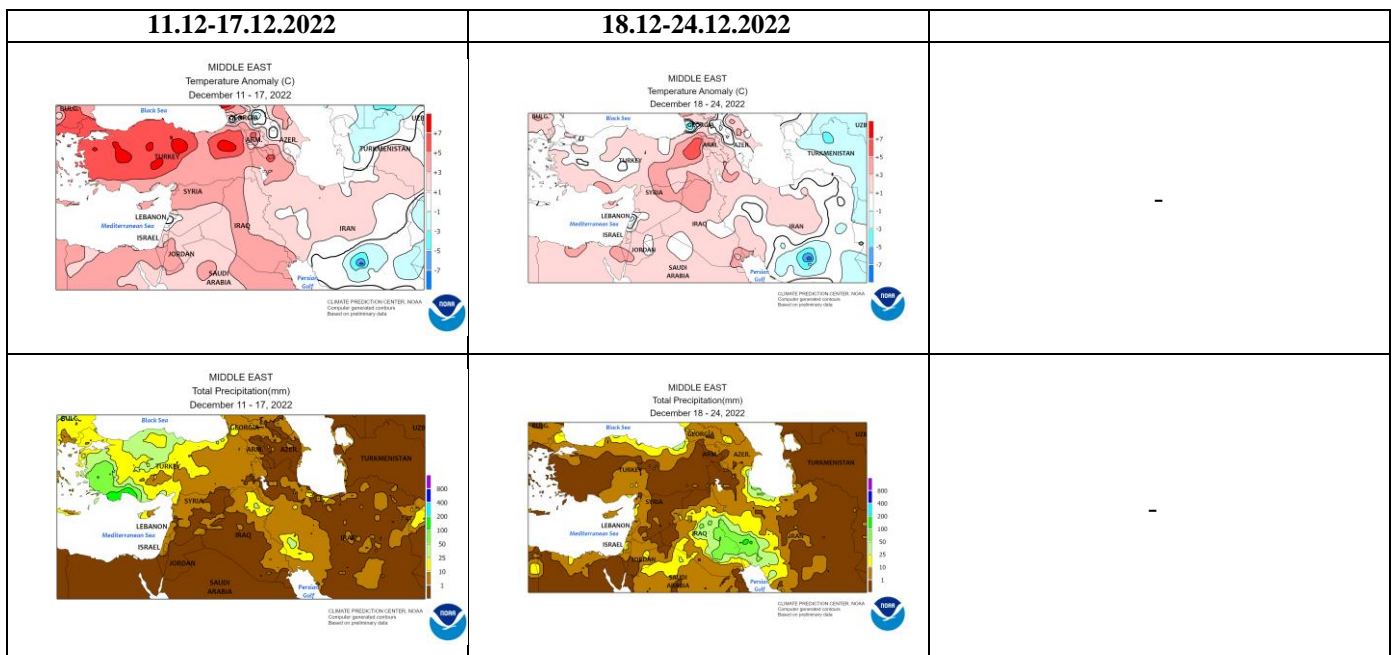
An updated statement will be issued on 9-1-2022

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

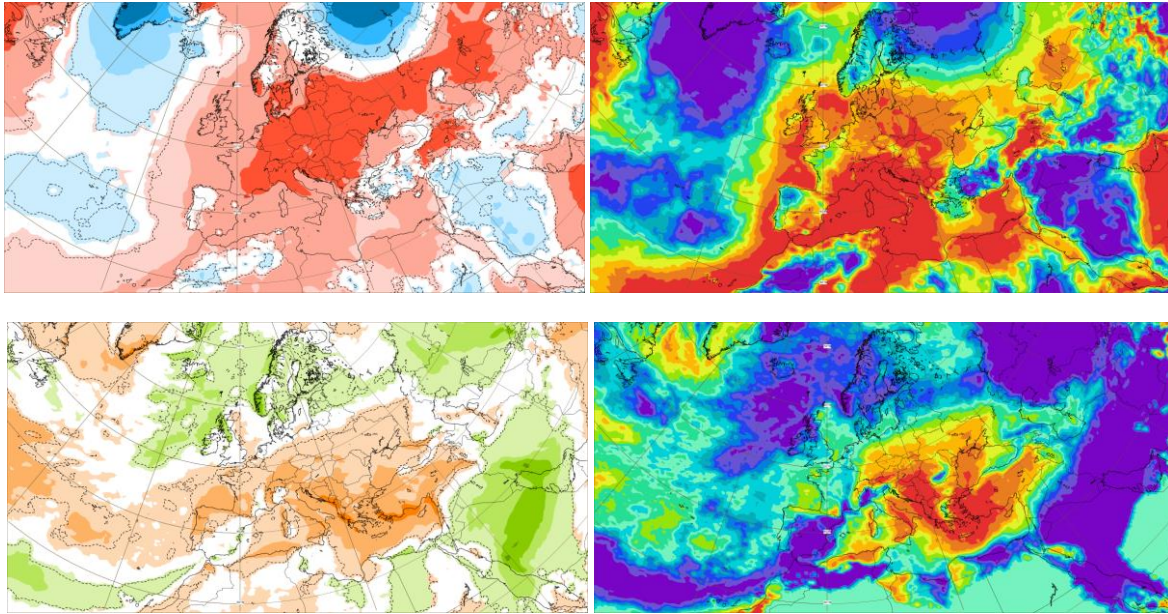
# ANNEX



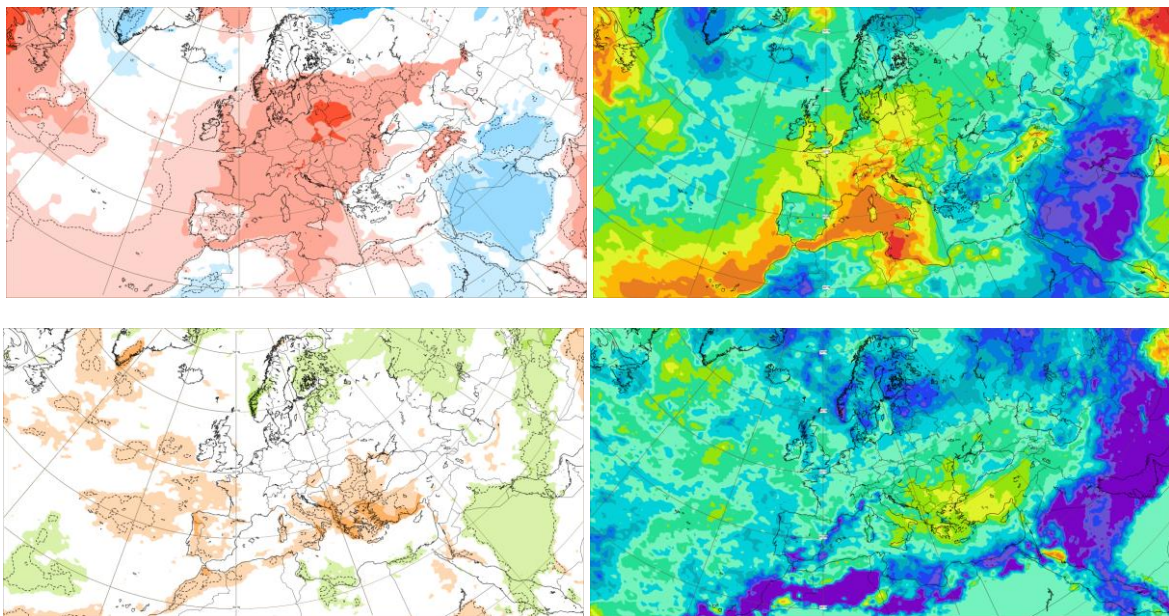
**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



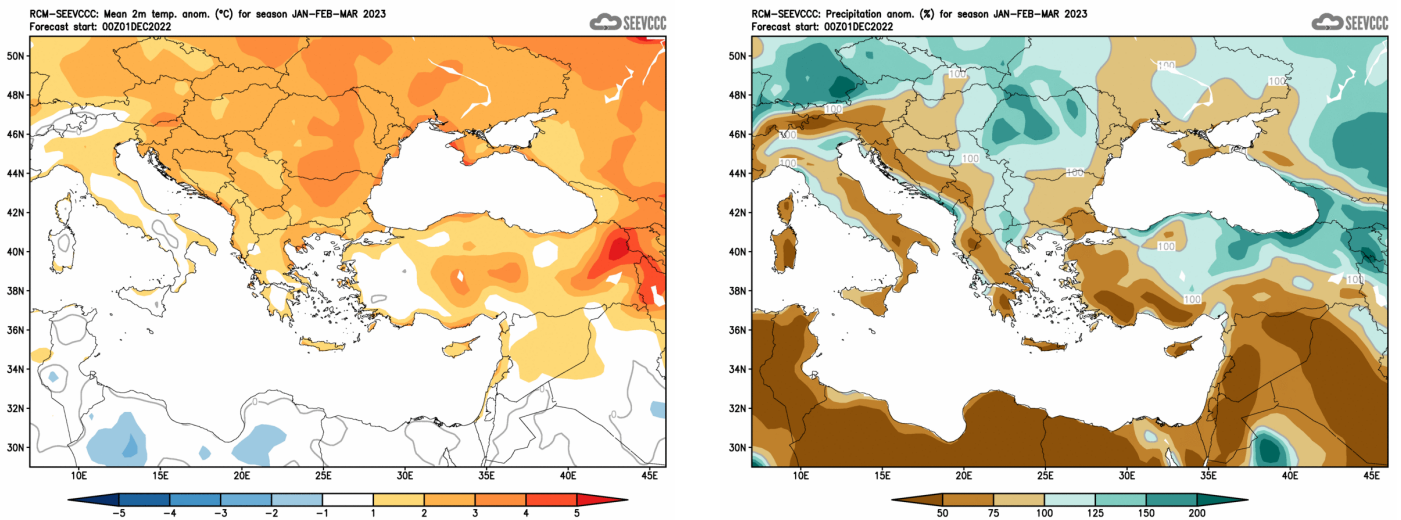
**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)



**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 2.1–8.1.2023. 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 9.1–16.1.2023 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/>)