

Topic: **precipitation**

Organization issuing
the statement: SEEVCCC

Issued/ Amended / 30-1-2023 16:00 P.M.
Cancelled

Contact: E-mail: cws-seevccc@hidmet.gov.rs
Phone: +381112066925
Fax: +381112066929

Valid from – to: 30-1-2023 – 30-4-2023 Next amendment: 6-2-2023

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

„Within the first week (30 January to 5 February 2023), ECMWF monthly forecast predicts precipitation surplus for western Ukraine, eastern Turkey and parts of South Caucasus with probability for exceeding upper tercile in a range from 70% up to 90%. Precipitation deficit is forecasted for most of the western and southern Balkans, and western Turkey with up to 70% probability in western Turkey and up to 90% probability in parts of western Balkans for exceeding lower tercile.“

Monitoring

During the period from 22 to 28 January 2023, weekly precipitation sums in parts of central and western Balkans were up to 200 mm, in most of the southern Balkans, western Turkey and Carpathian Mountains they were around 100 mm. In rest of the SEE region weekly precipitation totals were below 25 mm.

Outlook

Within the first week (30 January to 5 February 2023), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly up to +3°C in parts of the central and eastern Balkans, as well as Moldova, and up to +6°C anomaly in most of Ukraine. Probability for exceeding upper tercile is up to 90% in Ukraine. Below average mean weekly air temperature, with anomaly up to -3°C, is expected in most of western, southern Balkans and Turkey. Probability for exceeding lower tercile is around 90%. Precipitation surplus is expected for western Ukraine, eastern Turkey and parts of South Caucasus with probability for exceeding upper tercile in a range from 70% up to 90%. Precipitation deficit is forecasted for most of western and southern Balkans, and western Turkey with up to 70% probability in western Turkey and up to 90% probability in parts of western Balkans for exceeding lower tercile.

During the second week (6 to 13 February 2023), below average mean weekly air temperature, with anomaly up to -3°C, is forecasted for western and central Turkey, while above average mean weekly air temperature, with up to +6°C anomaly, is expected in most of Ukraine. Probability for exceeding lower/upper tercile is up to 90%. Precipitation deficit is forecasted for southern Balkans and western Turkey, with around 70% probability for exceeding upper tercile.

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 6-2-2023

For further information, please contact cws-seevccc@hidmet.gov.rs

ANNEX

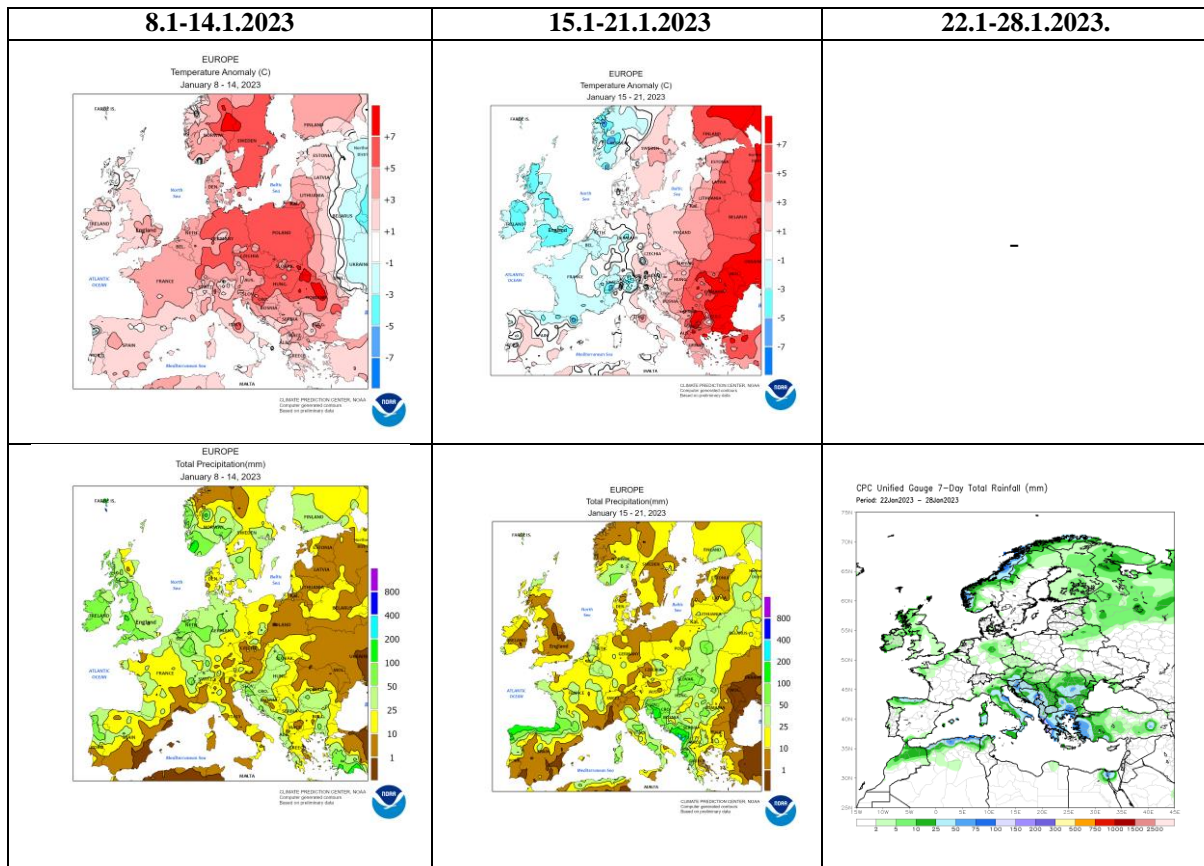


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

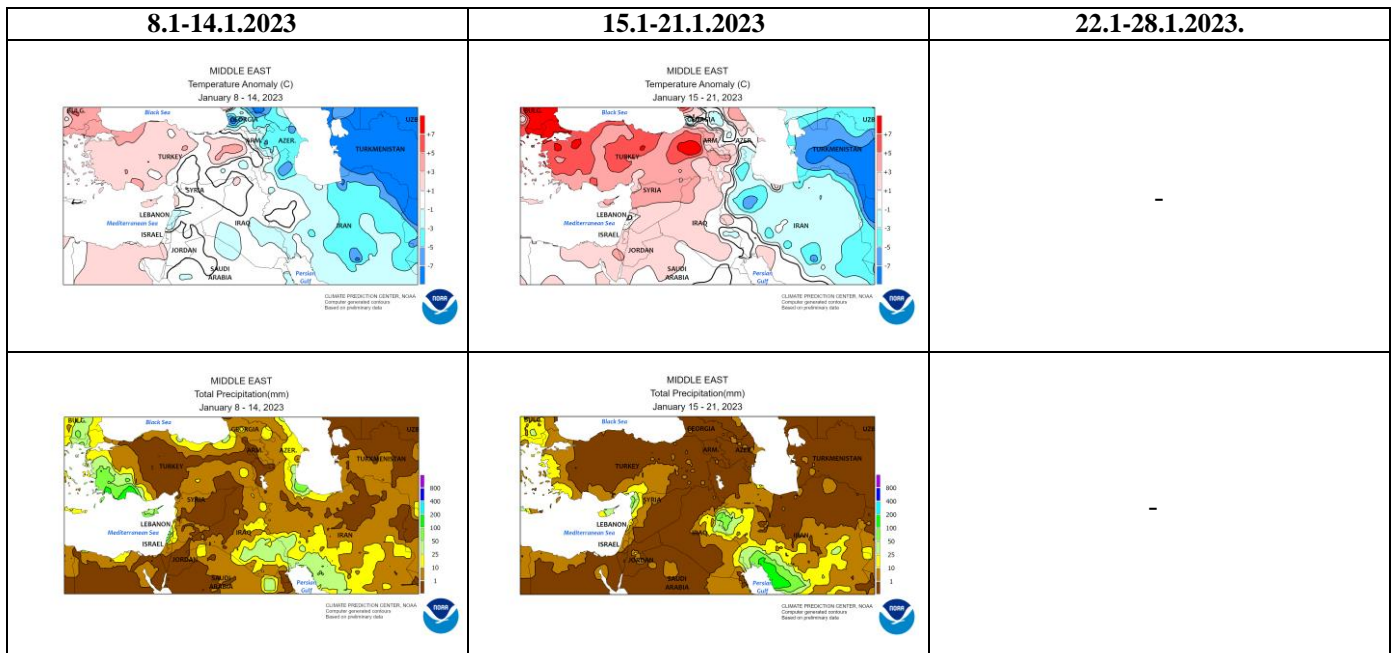


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

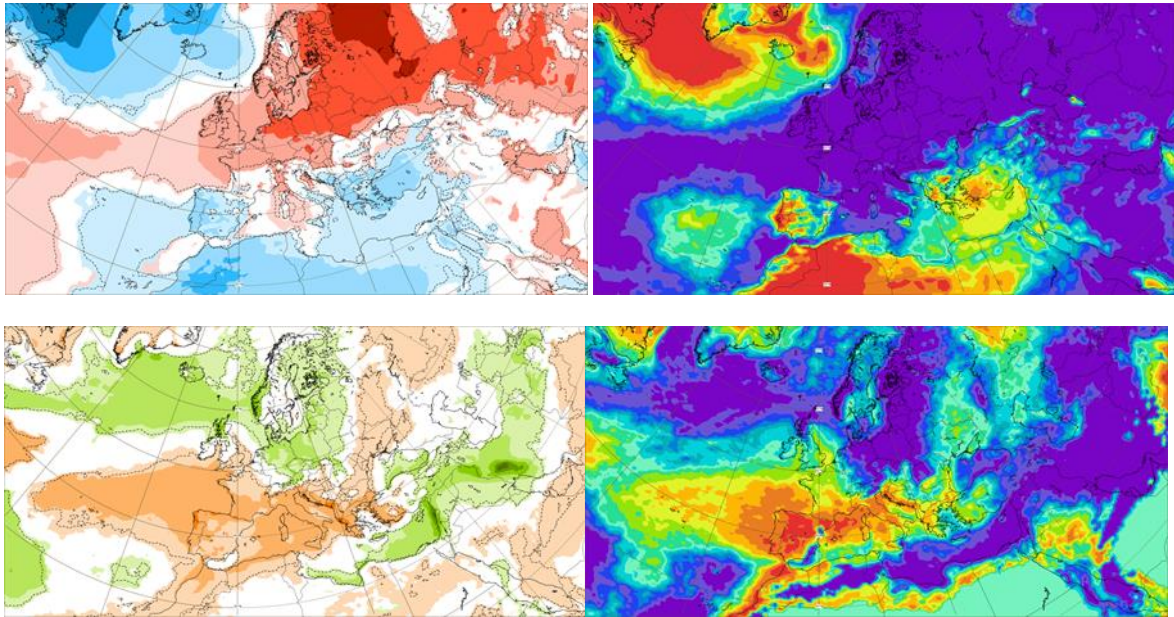


Figure 3. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 30.1–5.2.2023 period

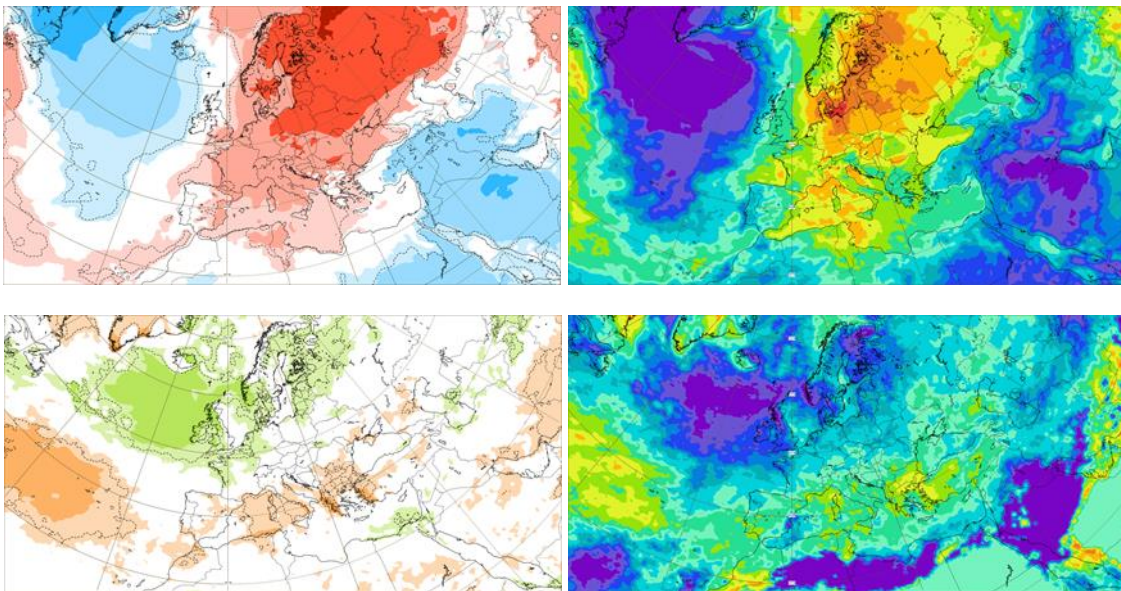


Figure 4. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 6.2–13.2.2023 period

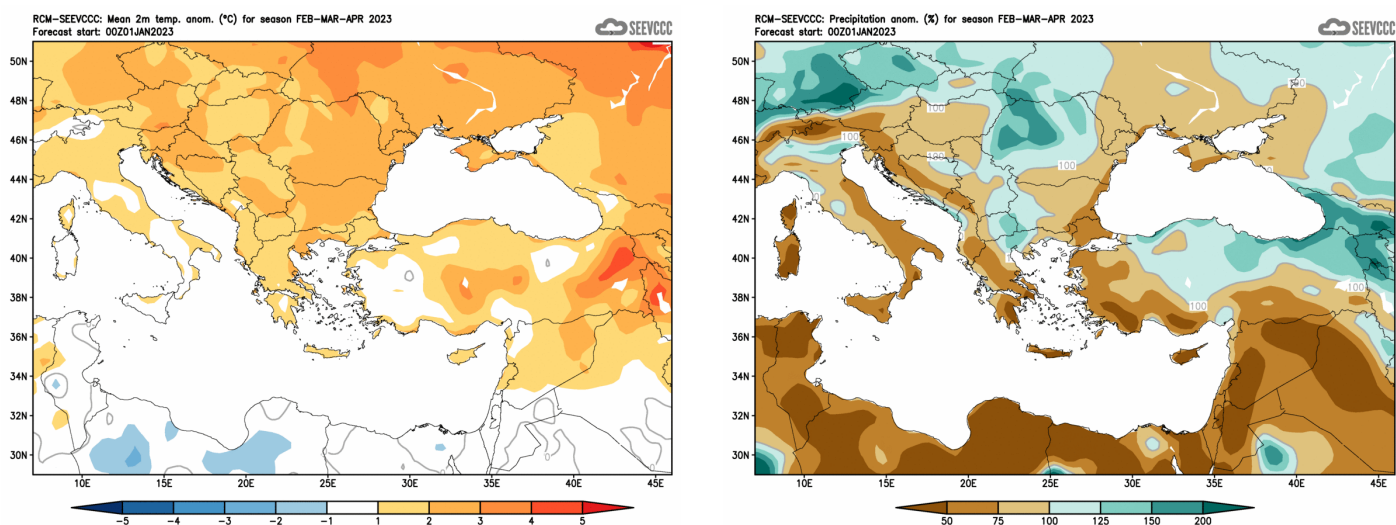


Figure 6. Mean seasonal temperature and precipitation anomaly for the season FMA (seasonal outlook from RCM – SEEVCCC)

Sources

- Republic Hydrometeorological Service of Serbia (www.hidmet.gov.rs)
- South East European Virtual Climate Change Center (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/>)