

Climate Watch (Serial No.: 20210125 – 04)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing
the statement: SEEVCCC

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Cancelled

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Valid from – to: 25-1-2021 – 30-4-2021 Next amendment: 1-2-2021

Region of concern: **Ukraine, Turkey, Carpathian Mountains region, the Balkans**

„Within the period from January 25th to 31th 2021, ECMWF monthly forecast predicts precipitation surplus for Carpathian Mountains, central and eastern Balkans, Ukraine, western and southern Turkey, with up to 90% probability for exceeding upper tercile.”

Monitoring

During the period from January 17th to 23rd 2021, below normal weekly air temperature was registered in Ukraine, southern and eastern Balkans, most of Turkey and Georgia, with anomaly reaching up to -7°C. Above normal weekly air temperature was recorded in the northwestern Balkans, Cyprus, Armenia and Azerbaijan, with anomaly up to +5°C. Precipitation sums were mostly below 25 mm, while along the coasts of Adriatic and Ionian Seas, some parts of northern and eastern Turkey, as well as Middle East, weekly precipitation totals reached up to 100 mm.

Outlook

Within the first week (January 25th to 31st 2021), ECMWF monthly forecast predicts above normal mean weekly air temperature for eastern Ukraine and South Caucasus, with anomaly up to +5°C and up to 90% probability for exceeding upper tercile. Precipitation surplus is forecasted for Carpathian Mountains, central and eastern Balkans, Ukraine, western and southern Turkey, with up to 90% probability for exceeding upper tercile.

During the second week (February 1st to 7th 2021), above average temperature is predicted for the western and southern Balkans, eastern Turkey, South Caucasus and Middle East, with anomaly reaching up to +3°C and up to 80% probability for exceeding upper tercile. Precipitation surplus is expected for the northwestern Balkans, eastern Ukraine and southern Turkey, with up to 60% probability for exceeding upper tercile.

In the period from January 25th to February 21st 2021, above average temperature is predicted for the southern Balkans, eastern Turkey, South Caucasus and Middle East, with anomaly reaching up to +3°C and probability up to 80% for exceeding upper tercile. Precipitation surplus is forecasted for Ukraine, most of the Balkans, western and southern Turkey, with up to 70% probability for exceeding upper tercile.

During the following three months (February, March and April) seasonal forecast predicts above normal seasonal air temperature for Ukraine, most of the Balkans, central and eastern parts of Turkey and South Caucasus region. Precipitation surplus is expected for Adriatic Sea coast, northern Turkey, Carpathian and South Caucasus region. Precipitation deficit is predicted for the southernmost Balkans, Cyprus and southern Turkey. Average seasonal precipitation sums are expected in rest of the region.

Update

An updated statement will be issued on 1-2-2021

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

ANNEX

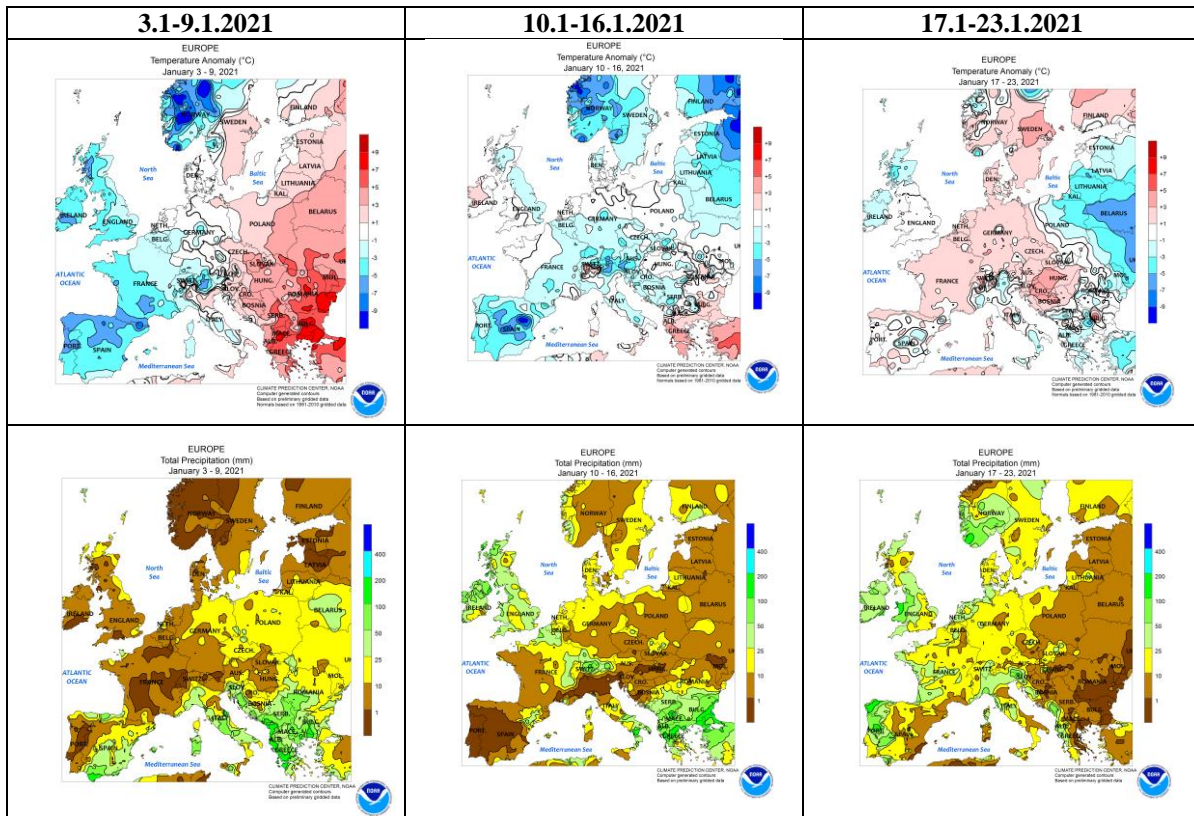


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

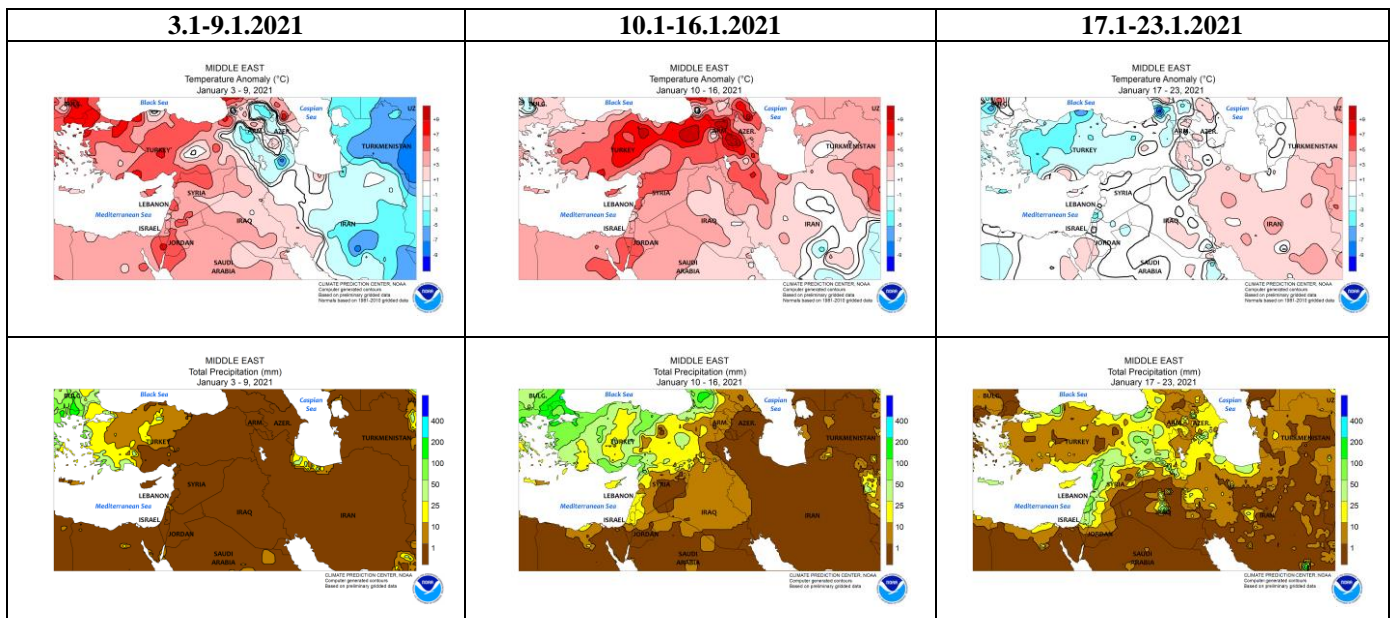


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

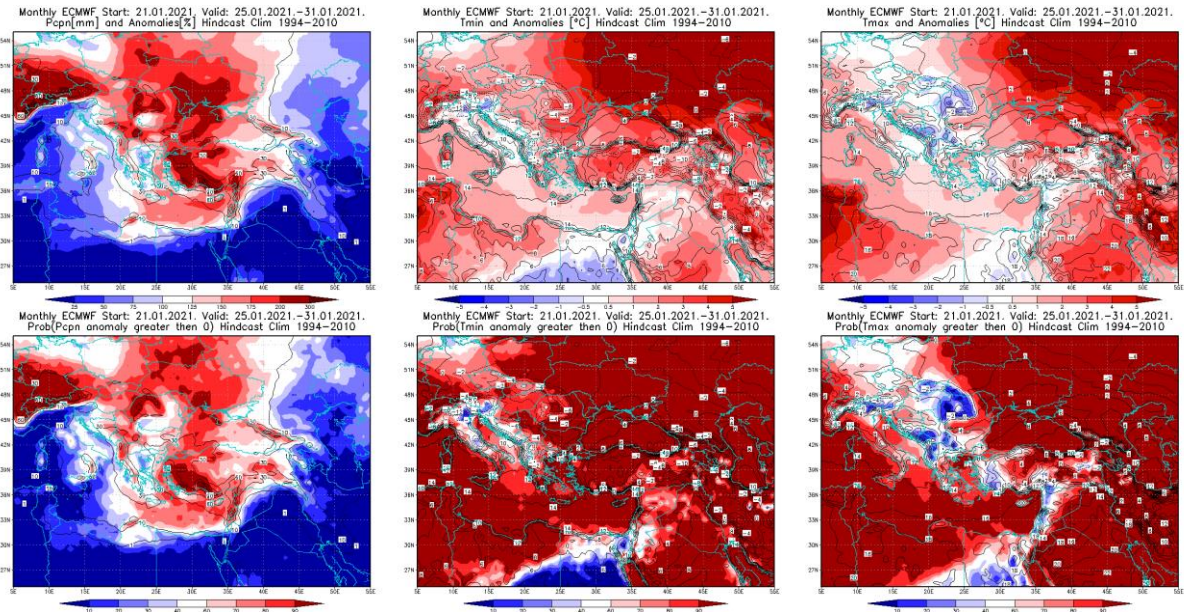


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 25.1–31.1.2021 period

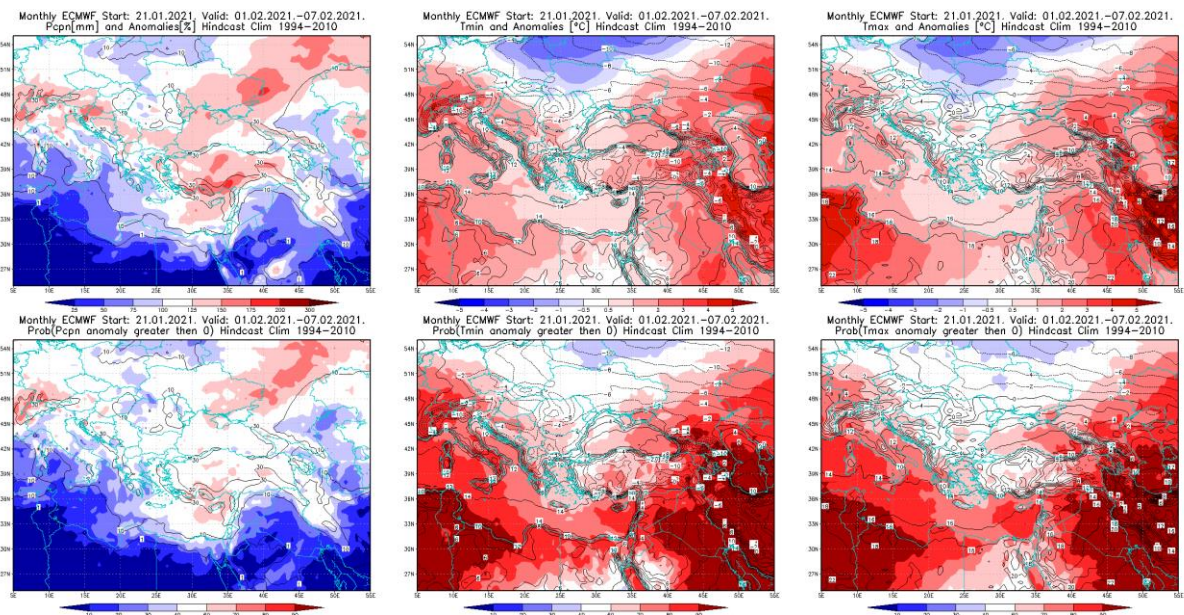


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 1.2–7.2.2021 period

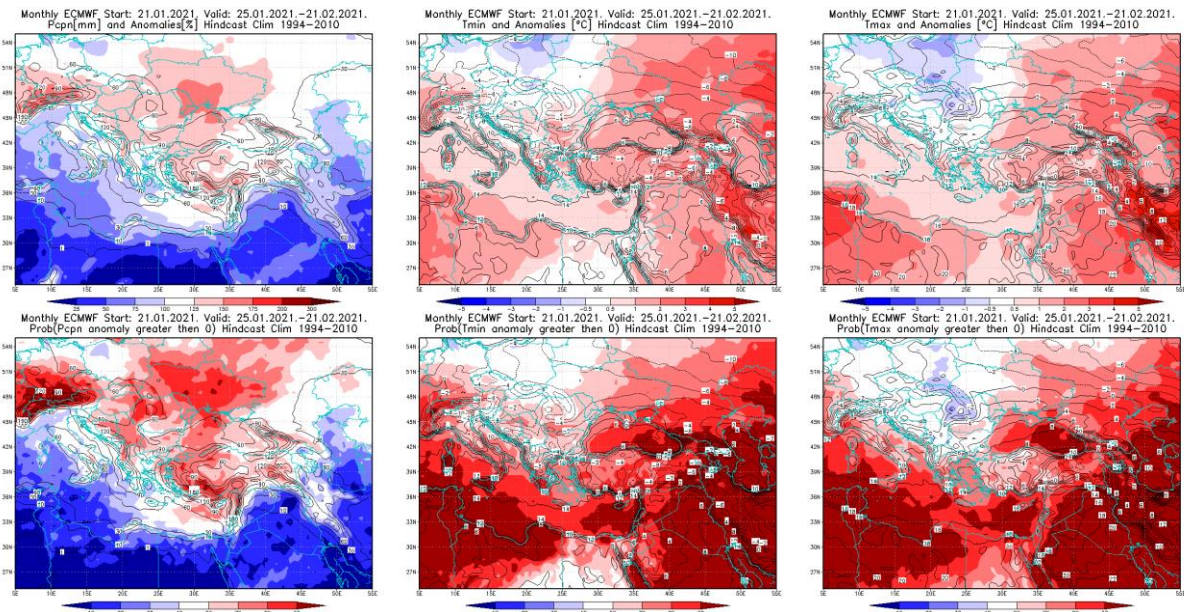


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 25.1–21.2.2021 period

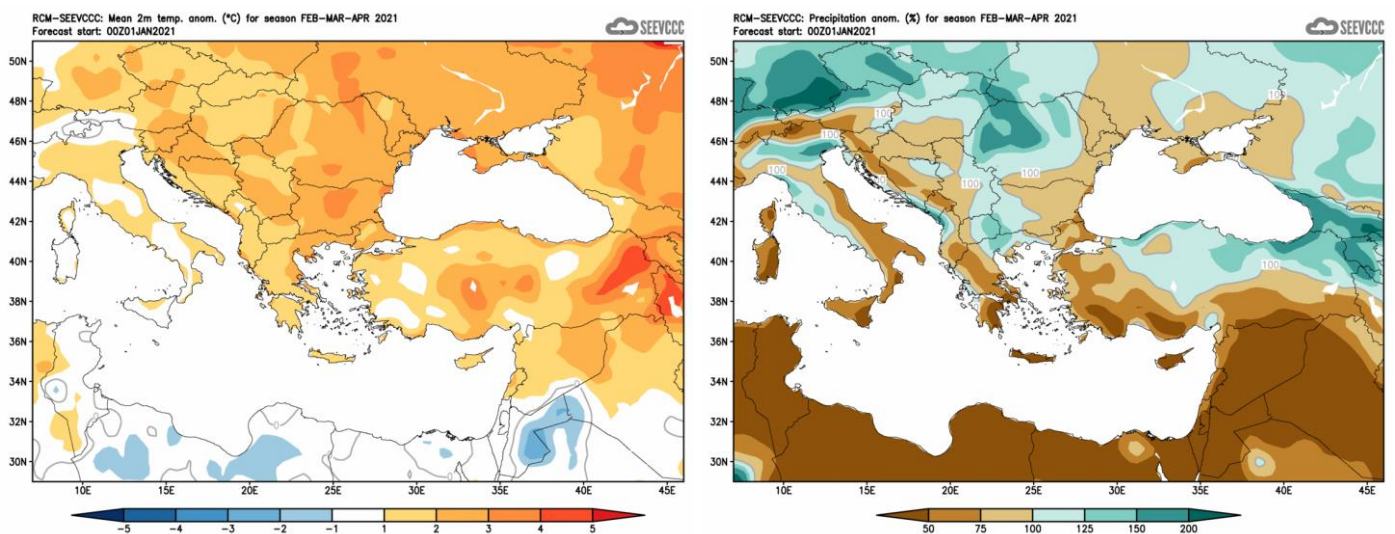


Figure 6. Mean seasonal temperature and precipitation anomaly for the season FMA (seasonal outlook from RCM – SEEVCCC)

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/>)