

Climate Watch (Serial No.: 20220110–02)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing
the statement: SEEVCCC

Issued/ Amended / 10-1-2022 16:00 P.M.
Cancelled

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Valid from – to: 10-1-2022 – 31-3-2022 Next amendment: 17-1-2022

Region of concern: **Balkans, Turkey**

„Within the first week (10 to 16 January 2022) precipitation surplus is expected in the central and southern Balkans, southern and eastern Turkey and Aegean Sea with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for coastal part of Adriatic, with up to 90% probability for exceeding lower tercile.“

Monitoring

During the period from 2 to 8 January 2022, weekly precipitation sums were below 2 mm in most parts of the SEE region. Northern Turkey received up to 50 mm of precipitation.

Outlook

Within the first week (10 to 16 January 2022), ECMWF monthly forecast predicts above normal mean weekly temperature in most of Turkey and southern Romania, with anomaly up to +6°C and up to 80% probability for exceeding upper tercile. In most of the Balkans average temperature is expected. Precipitation surplus is expected in the central and southern Balkans, southern and eastern Turkey and Aegean Sea with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for coastal part of Adriatic, with up to 90% probability for exceeding lower tercile.

During the second week (17 to 23 January 2022), below average air temperature is expected in the western Balkans, with anomaly up to -3°C and around 60% probability for exceeding lower tercile. In Turkey, Ukraine and eastern Balkans average temperature is expected. Average precipitation sums are expected for most of the region. Precipitation surplus is expected in southern Turkey, with probability around 60% for exceeding upper tercile.

During the following three months (January, February and March), seasonal forecast predicts above normal seasonal air temperature for most of the region. Precipitation surplus is expected in the Carpathian Mountains, Ukraine, most of Turkey, South Caucasus as well as along the coasts of Adriatic and southern Black Sea. Precipitation deficit is predicted for the remainder of the region.

Update

An updated statement will be issued on 17-1-2022

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

ANNEX

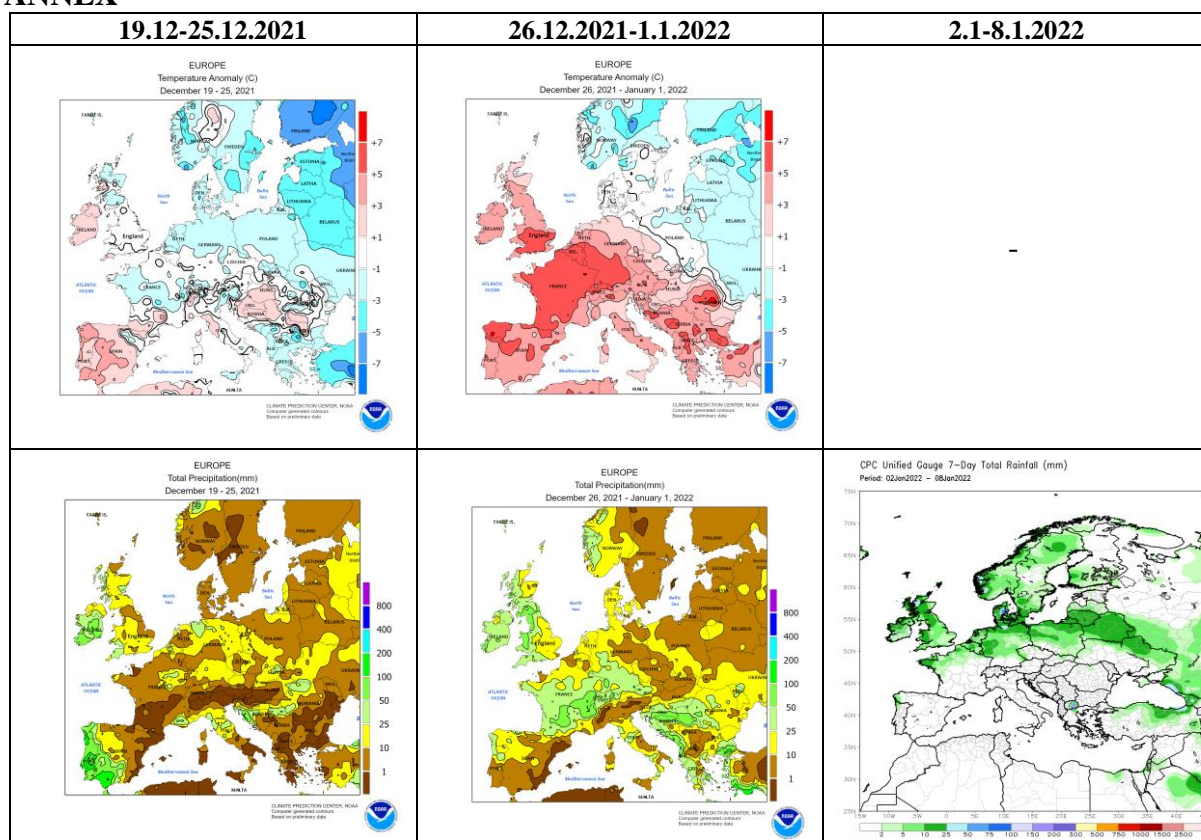


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

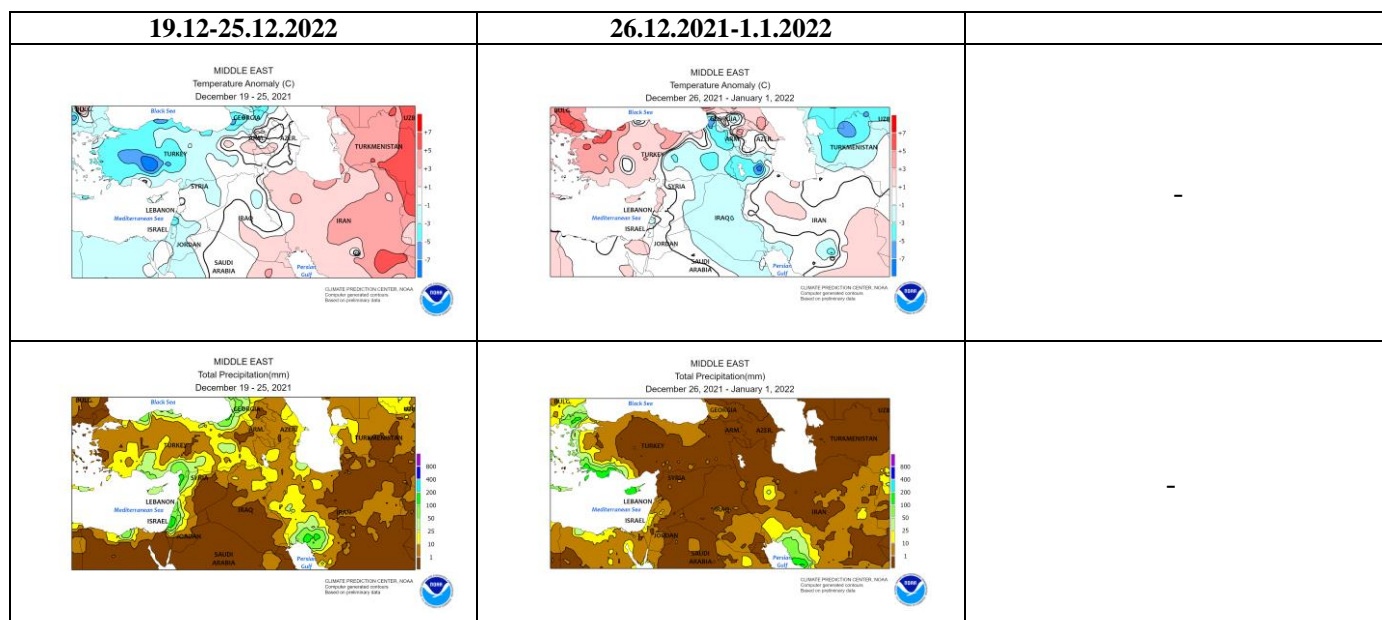


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

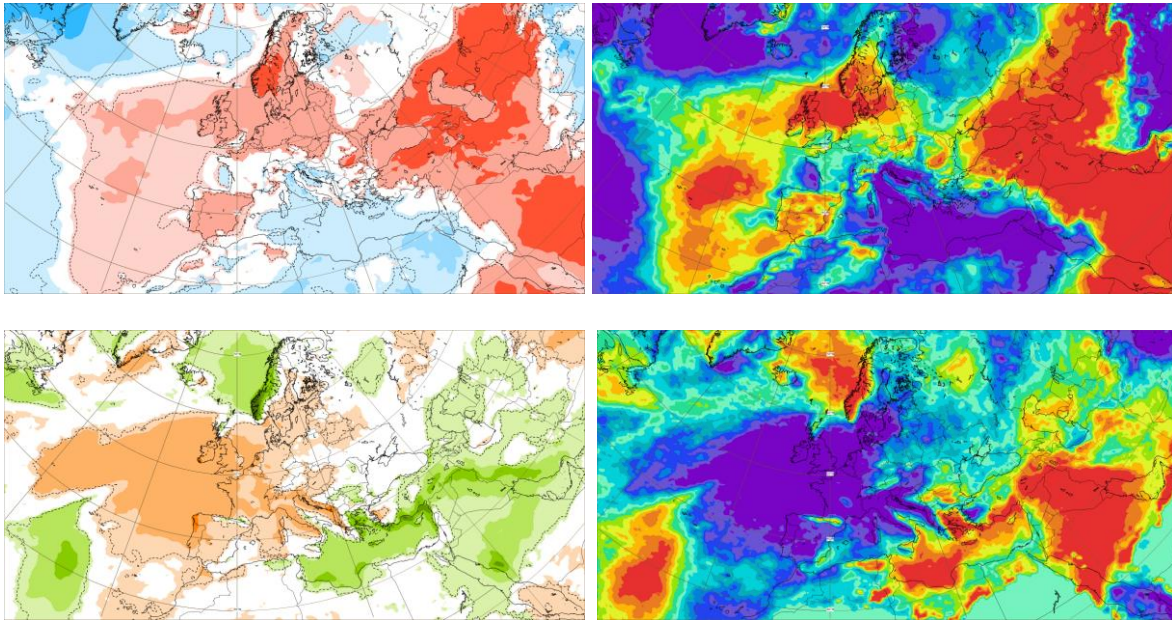


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 10.1-16.1.2022 period

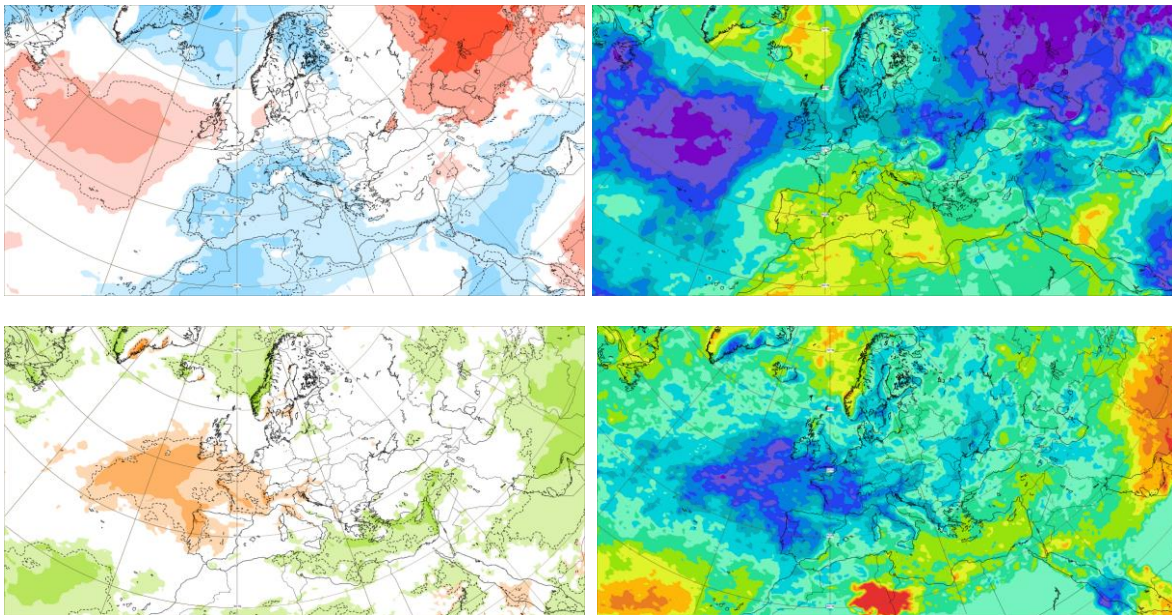


Figure 4. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 17.1-23.1.2022 period

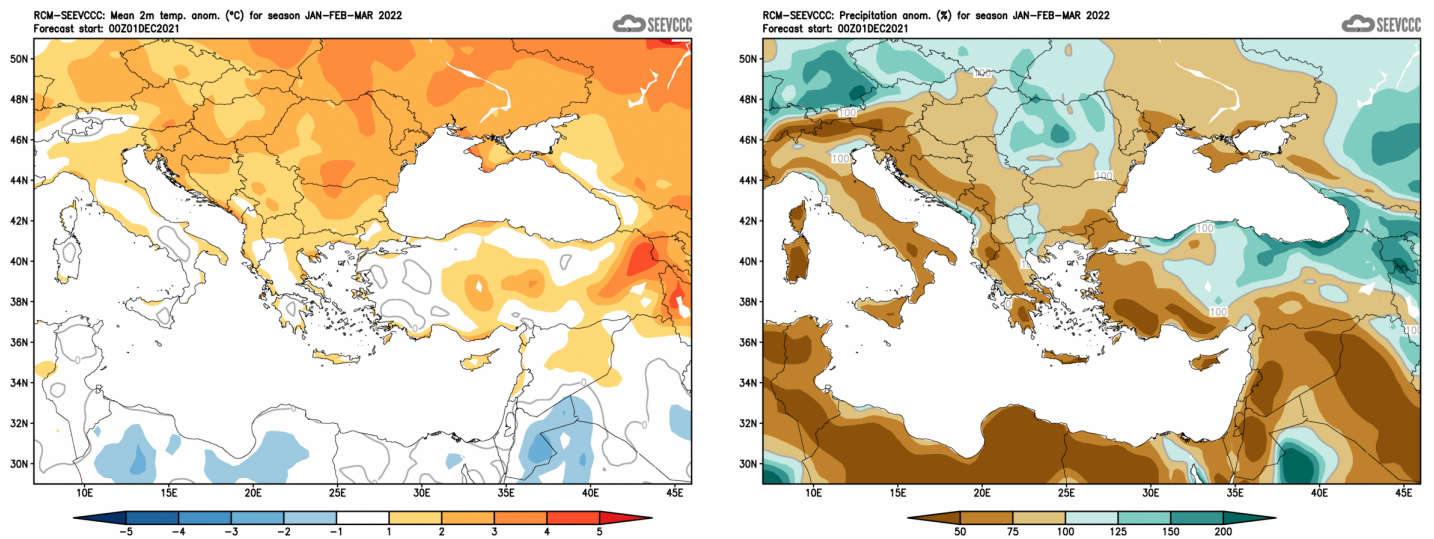


Figure 6. Mean seasonal temperature and precipitation anomaly for the season JFM (seasonal outlook from RCM – SEEVCCC)

Sources

- Republic Hydrometeorological Service of Serbia (www.hidmet.gov.rs)
- 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/>)