

Climate Watch (Serial No.: 20220411–14)

Initial/Updated/Final

Topic: **temperature, precipitation**

Organization issuing SEEVCCC

the statement:

Issued/ Amended / 11-4-2022 16:00 P.M.
Cancelled

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Valid from – to: 11-4-2022 – 30-6-2022 Next amendment: 18-4-2022

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

„ Within the first week (11 to 18 April 2022), ECMWF monthly forecast predicts below normal mean weekly temperature along the coasts of the Adriatic and Aegean Sea , Turkey and South Caucasus, with anomaly up to -6°C and up to 90% probability for exceeding lower tercile. Above normal mean weekly temperature is expected in the northwestern Balkans with anomaly up to $+3^{\circ}\text{C}$ and up to 70% probability for exceeding upper tercile. Precipitation surplus is expected in most of Ukraine, while deficit is forecasted for the rest of the region, with up to 80% probability for exceeding upper/lower tercile. “

Monitoring

During the period from 3 to 9 April 2022, weekly precipitation sums were around 50 mm along the southern coast of the Adriatic Sea, in some parts of Turkey and the South Caucasus, while in rest of the SEE region precipitation totals were below 25 mm.

Outlook

Within the first week (11 to 18 April 2022), ECMWF monthly forecast predicts below normal mean weekly temperature along the Adriatic and Aegean Sea coast, Turkey and South Caucasus, with anomaly up to -6°C and up to 90% probability for exceeding lower tercile. Above normal mean weekly temperature is expected in the northwestern Balkans with anomaly up to $+3^{\circ}\text{C}$ and up to 70% probability for exceeding upper tercile. Precipitation surplus is expected in most of Ukraine, while deficit is forecasted for the rest of the region, with up to 80% probability for exceeding upper/lower tercile.

During the second week (18 to 25 April 2022), above average air temperature is expected in most of the region, with anomaly up to $+6^{\circ}\text{C}$ and up to 80% probability for exceeding upper tercile in the most of South Caucasus. In most of the region average precipitation sums are expected.

During the following three months (April, May and June), seasonal forecast predicts above normal seasonal air temperature in most of the region. Precipitation surplus is expected in the Carpathian Mountains. Precipitation deficit is predicted for the southern Balkans and Turkey.

Update

An updated statement will be issued on 18-4-2022

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

ANNEX

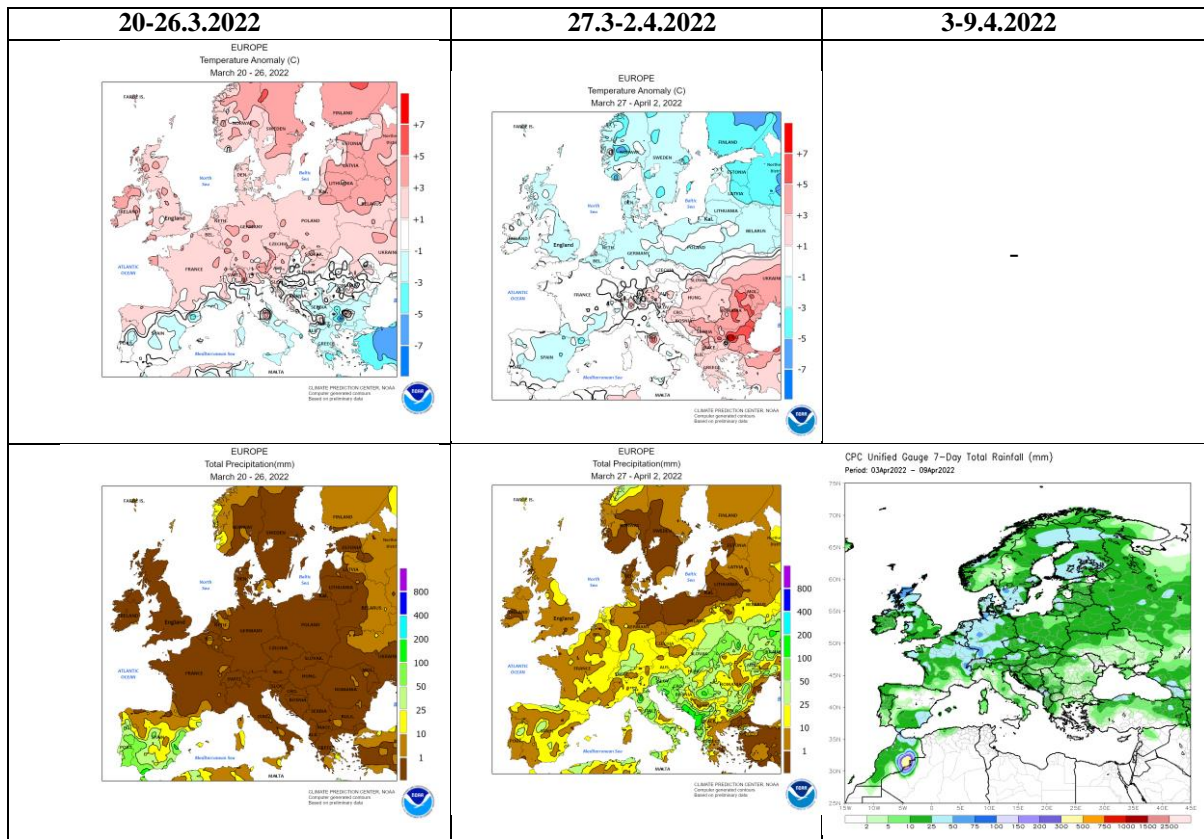


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

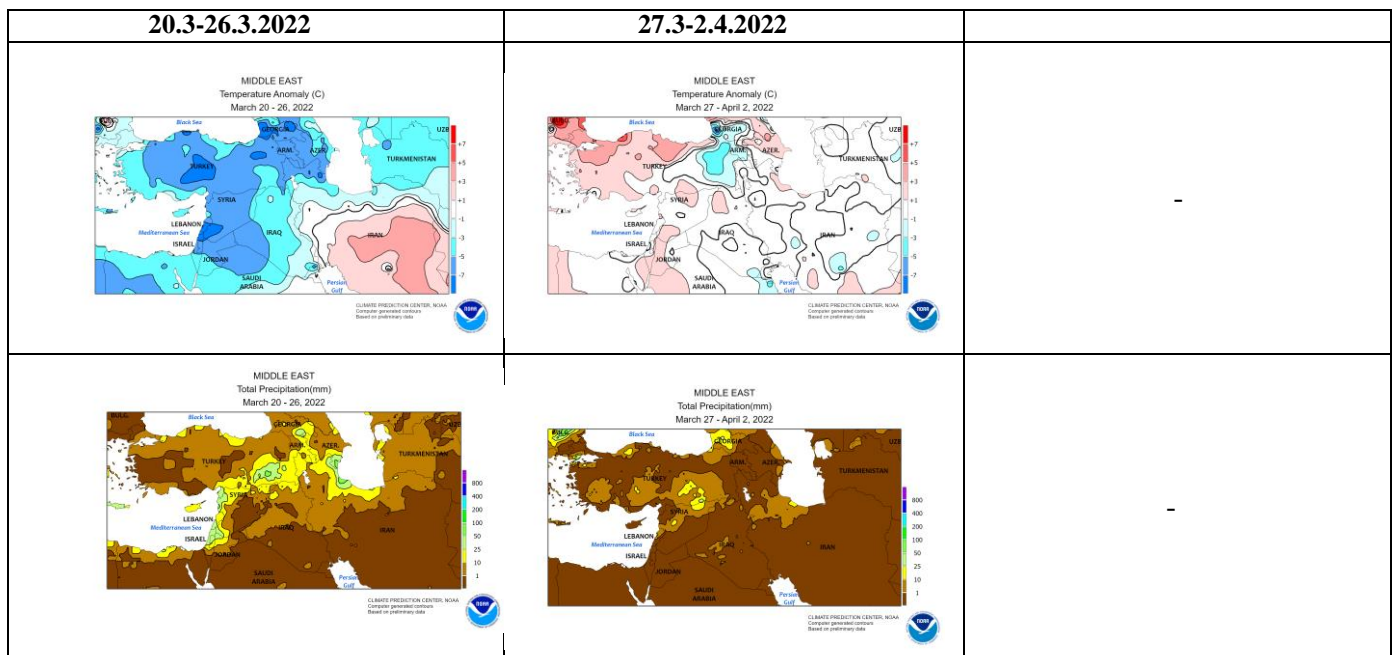


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

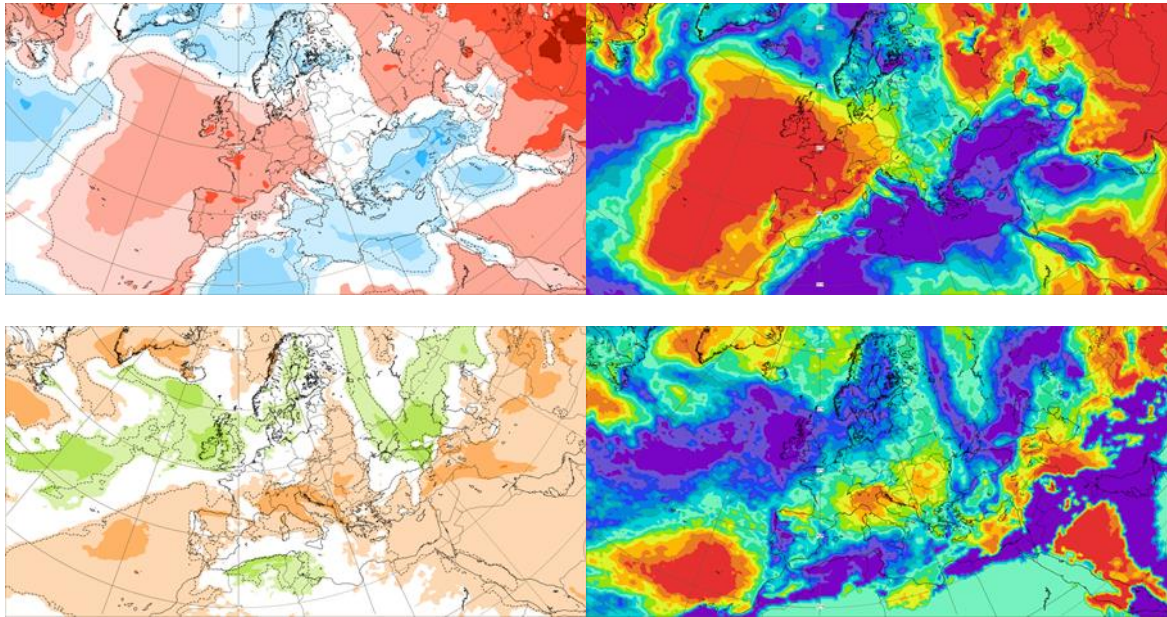


Figure 3. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 11.4–18.4.2022 period

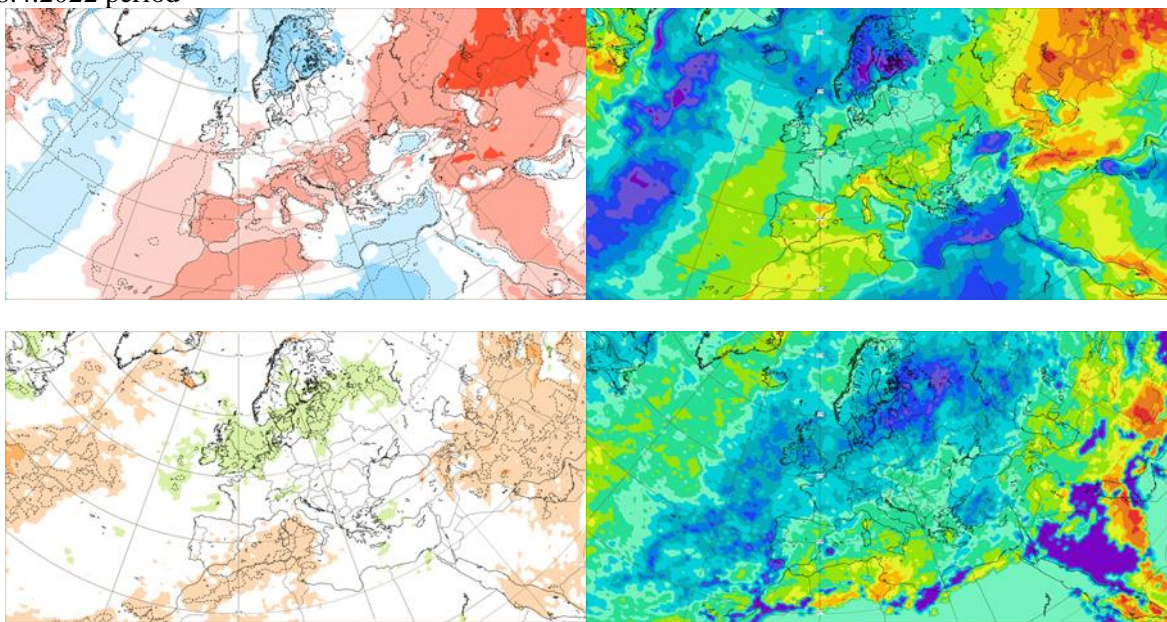


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 18.4–25.4.2022 period

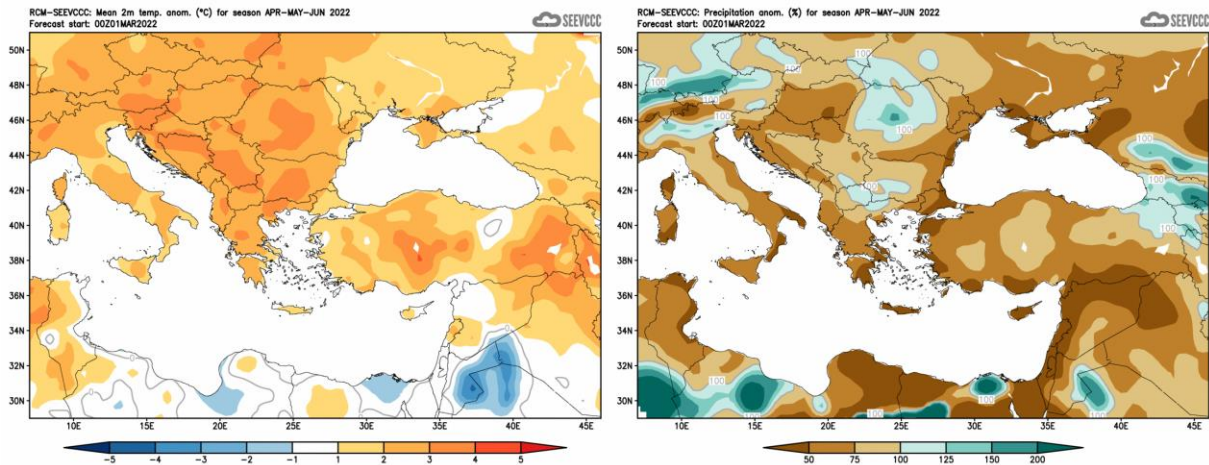


Figure 6. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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/>)