

Topic: **temperature**

Organization issuing
the statement: SEEVCCC

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Cancelled

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Valid from – to: 21-3-2022 – 31-5-2022 Next amendment: 28-3-2022

Region of concern: **the Balkans, Turkey, South Caucasus and Middle East**

„Within the first week (21 to 27 March 2022), above average air temperature is expected in the south and eastern Balkans, Moldova and Middle East, with anomaly up to +3°C and up to 70% probability for exceeding upper tercile. In central Turkey, below normal mean temperature is expected with anomaly up to -3°C and with 70% probability for exceeding lower tercile. Precipitation deficit is forecasted for most of Turkey, South Caucasus, Middle East and Eastern Mediterranean, with up to 80% probability for exceeding lower tercile, while in rest of the SEE region average precipitation sums are predicted.“

Monitoring

During the period from 13 to 20 March 2022, weekly precipitation sums were up to 100 mm northernmost Turkey, while in rest of the SEE region precipitation totals were below 25 mm.

Outlook

Within the first week (21 to 27 March 2022), ECMWF monthly forecast predicts below normal mean weekly temperature in the central, southern and eastern Balkans, eastern Ukraine, Turkey, South Caucasus and Middle East, with anomaly up to -10°C and up to 90% probability for exceeding lower tercile. Above normal mean weekly temperature is expected in western and central Ukraine with anomaly up to $+3^{\circ}\text{C}$ and up to 70% probability for exceeding upper tercile. Precipitation deficit is expected in most parts of the SEE region, while surplus is expected along the coasts of Aegean and Eastern Mediterranean, with up to 90% probability for exceeding lower/upper tercile.

During the second week (28 March to 3 April 2022), above average air temperature is expected in the south and eastern Balkans, Moldova and Middle East, with anomaly up to $+3^{\circ}\text{C}$ and up to 70% probability for exceeding upper tercile. In central Turkey, below normal mean temperature with anomaly up to -3°C is expected and with up to 70% probability for exceeding lower tercile. Precipitation deficit is forecasted for most of Turkey, South Caucasus, Middle East and Eastern Mediterranean, with up to 80% probability for exceeding lower tercile, while in rest of the SEE region average precipitation sums are predicted.

During the following three months (March, April and May), seasonal forecast predicts above normal seasonal air temperature in northwestern Ukraine, some parts of the Balkans, eastern and central Turkey. Precipitation surplus is expected in the Carpathian Mountains, northeastern Turkey and South Caucasus. Precipitation deficit is predicted for the Pannonian plain, along the Dinaric Alps, western and northern Black Sea coast, southern Balkans, Cyprus, western and southern Turkey, as well as Middle East.

Update

An updated statement will be issued on 28-3-2022

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

ANNEX

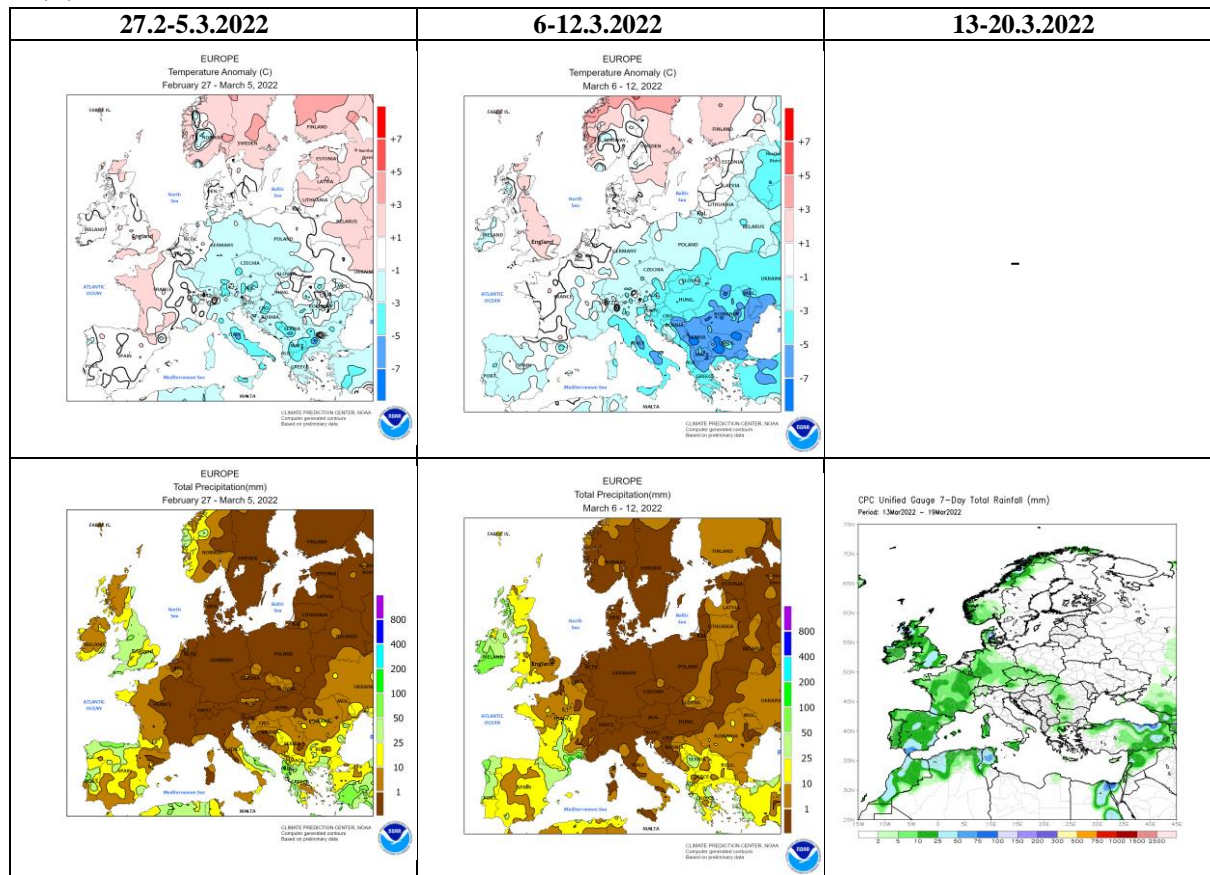


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

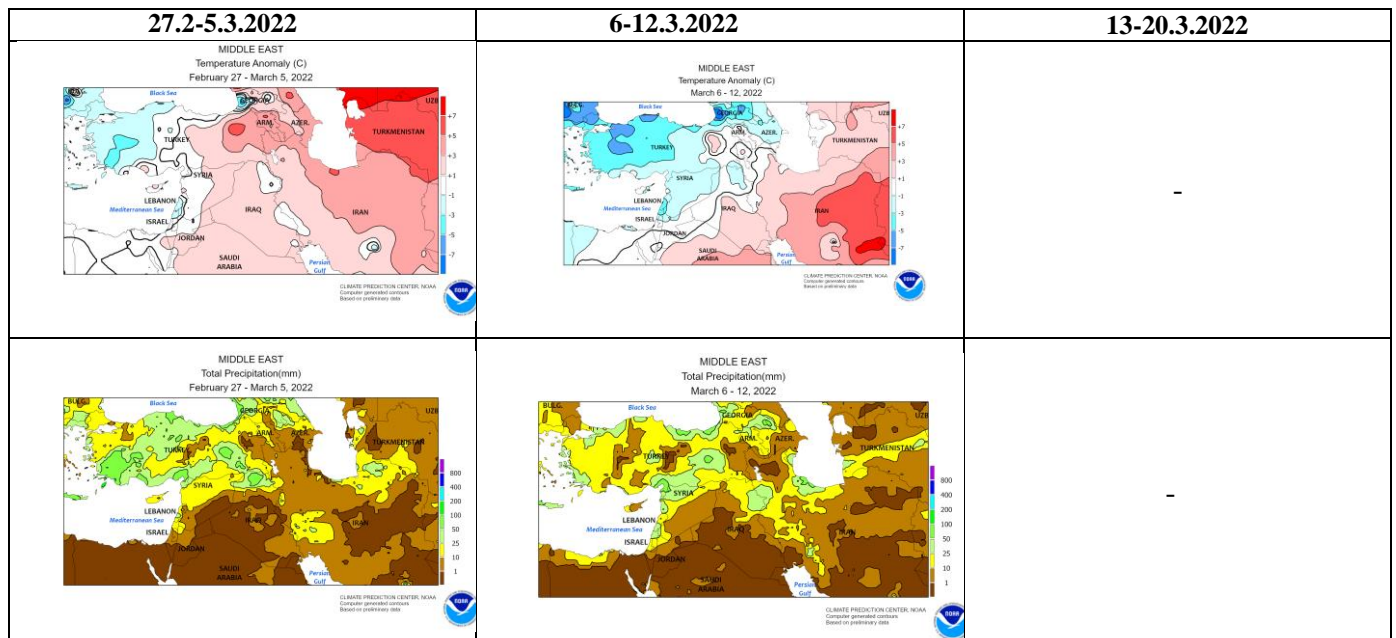


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center,

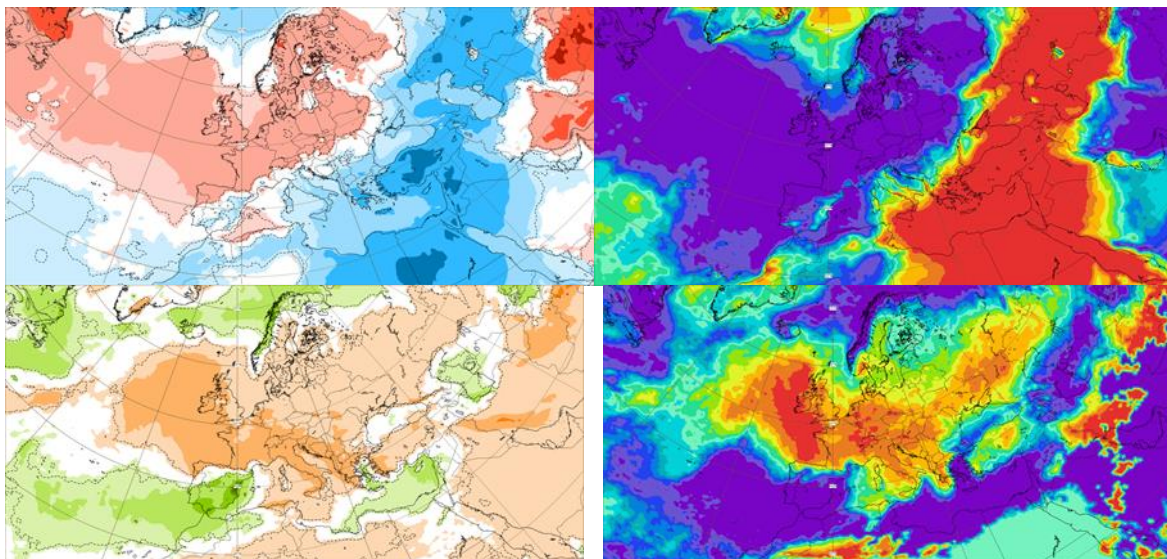


Figure 3. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 21.3–27.3.2022 period

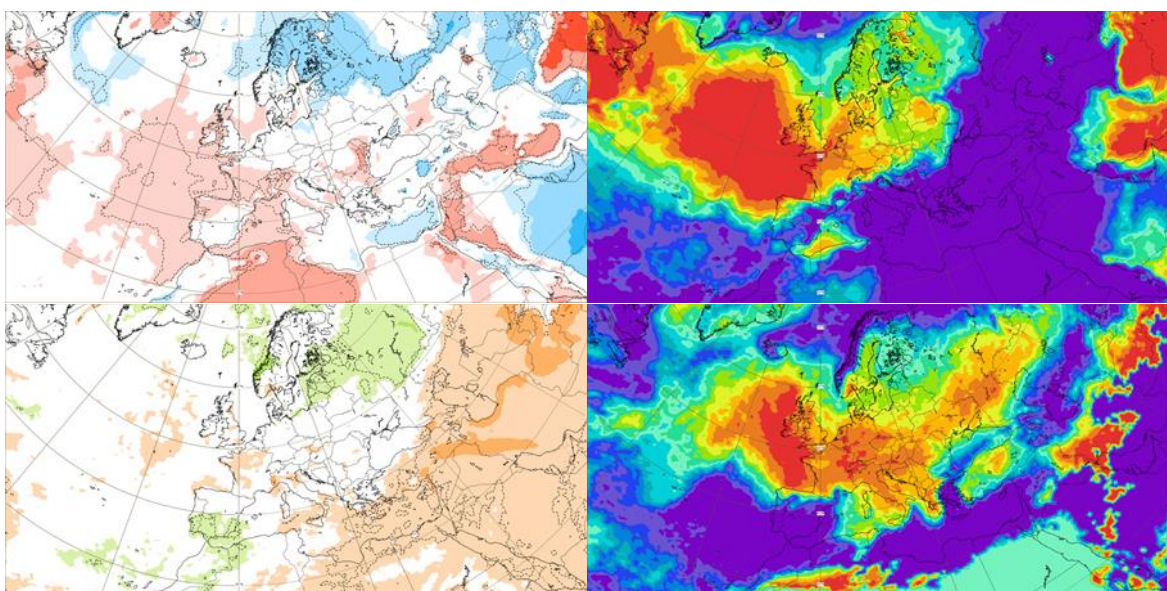


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 28.3–3.4.2022 period

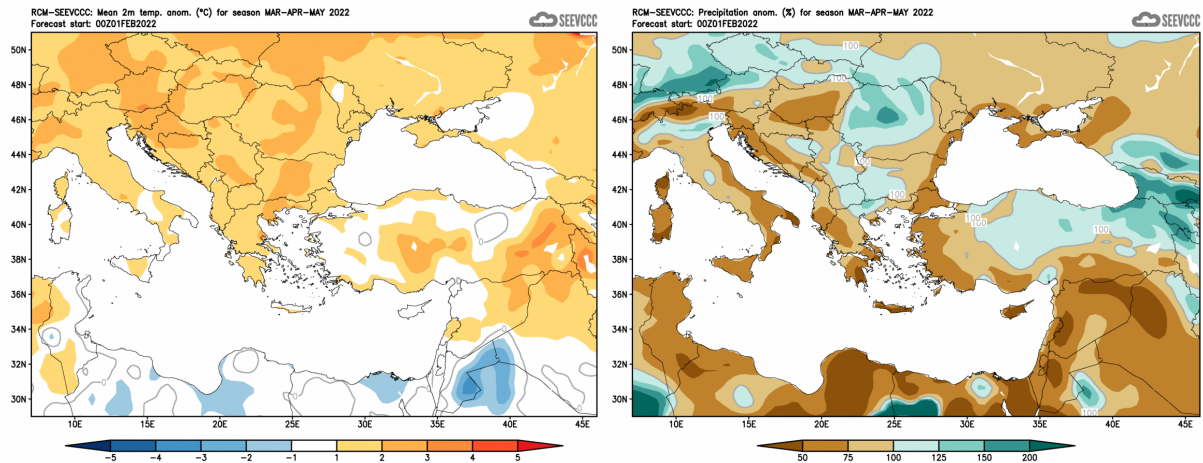


Figure 6. Mean seasonal temperature and precipitation anomaly for the season MAM (seasonal outlook from RCM – SEEVCCC)

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/>)