

Topic: **precipitation**

Organization issuing
the statement: SEEVCCC

Issued/ Amended / 16-5-2022 16:00 P.M.
Cancelled

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

Valid from – to: 16-5-2022 – 31-7-2022 Next amendment: 23-5-2022

Region of concern: **Balkans, Ukraine, Israel and South Caucasus**

„Within the following two weeks (16 to 29 May 2022), ECMWF monthly forecast predicts precipitation deficit along the Adriatic Sea, in western Ukraine and Israel, with around 80% probability for exceeding lower tercile, for the first week, as well as southern parts of the Aegean Sea and South Caucasus, with up to 80% probability for exceeding lower tercile, during the second week.“

Monitoring

During the period from 8 to 14 May 2022, weekly precipitation sums were below 25 mm in almost the entire region, except in northwestern Balkans and eastern most Turkey, where they were up to 50 mm.

Outlook

Within the first week (16 to 22 May 2022), ECMWF monthly forecast predicts above average mean weekly air temperature in the western and central Balkans, with anomaly up to +6°C and up to 90% probability for exceeding upper tercile. Below normal air temperature is predicted in eastern Ukraine, northeastern and central Turkey, as well as South Caucasus and coastal areas of Middle East, with anomaly up to –6°C and probability for lower tercile up to 90%. Precipitation deficit is expected along the Adriatic Sea, in western Ukraine and Israel, with around 80% probability for exceeding lower tercile.

During the second week (23 to 29 May 2022), above average mean weekly air temperature is forecasted in the eastern Balkans and western Turkey, with anomaly up to +3°C and around 60% probability for exceeding upper tercile. Precipitation deficit is expected in the southern parts of the Aegean Sea and South Caucasus, with up to 80% probability for exceeding lower tercile.

During the following three months (May, June and July), seasonal forecast predicts above normal seasonal air temperature in the Balkans, western and central Ukraine, as well as central and eastern Turkey. Precipitation surplus is expected in the South Caucasus region. Precipitation deficit is predicted for most of the Balkans, Ukraine, Cyprus and Turkey.

Update

An updated statement will be issued on 23-5-2022

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

ANNEX

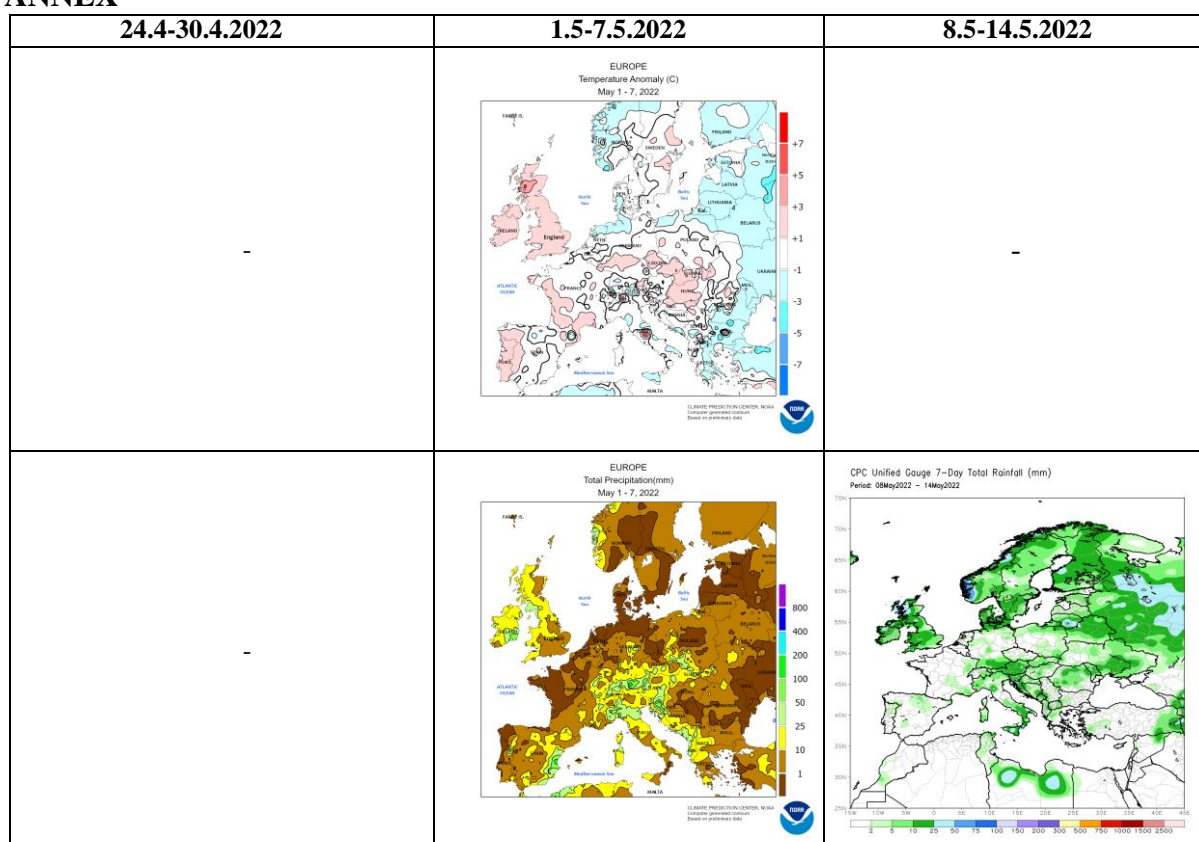


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

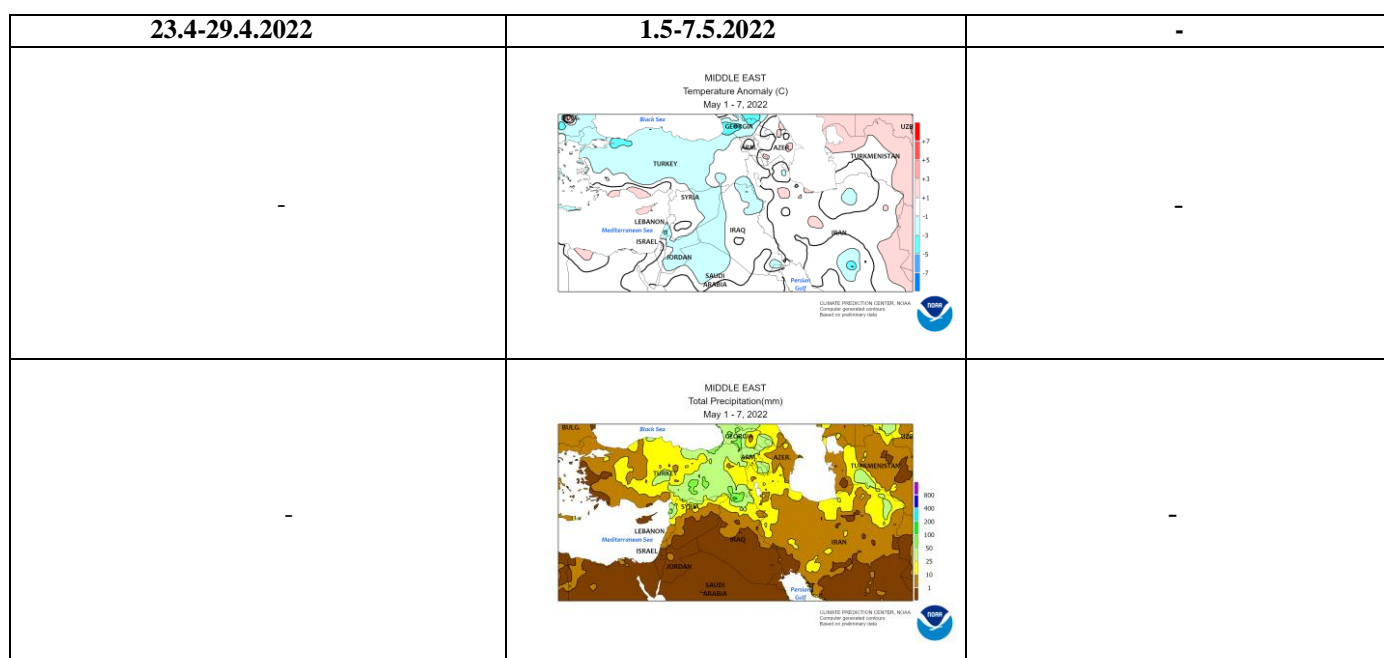


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center)

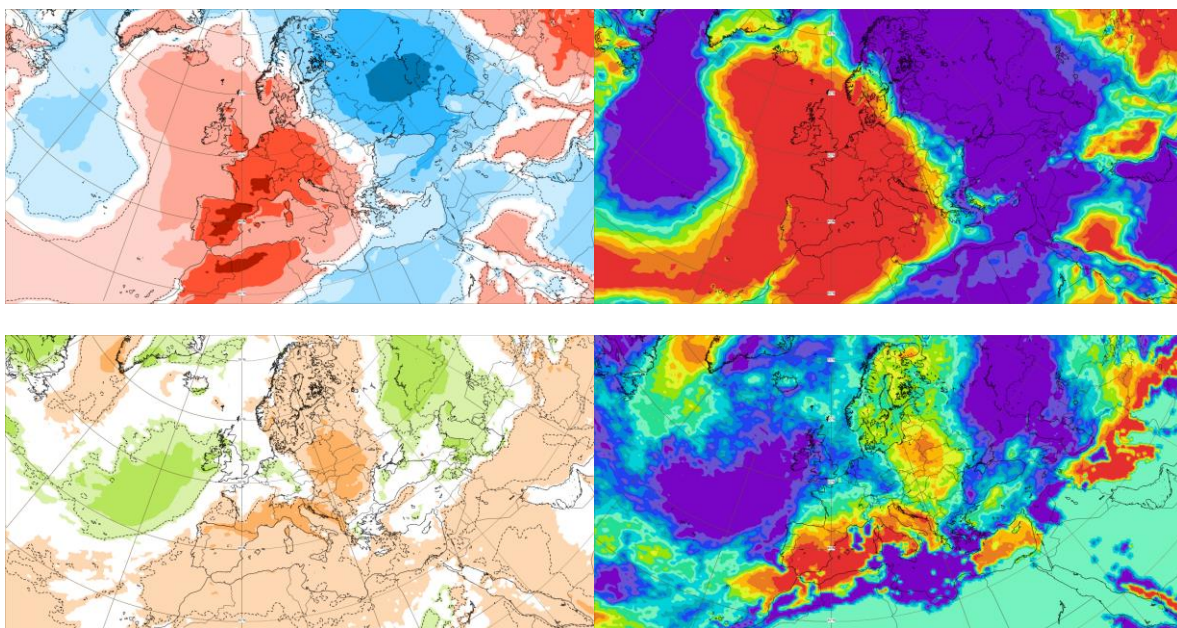


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 16.5–22.5.2022 period

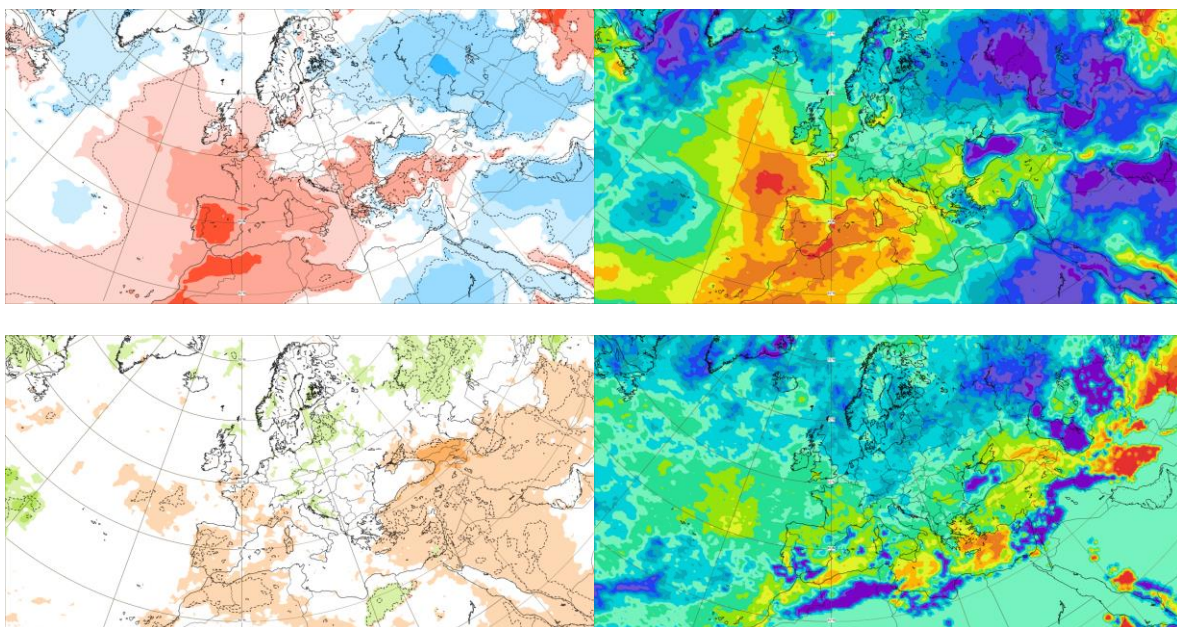


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 23.5–29.5.2022 period

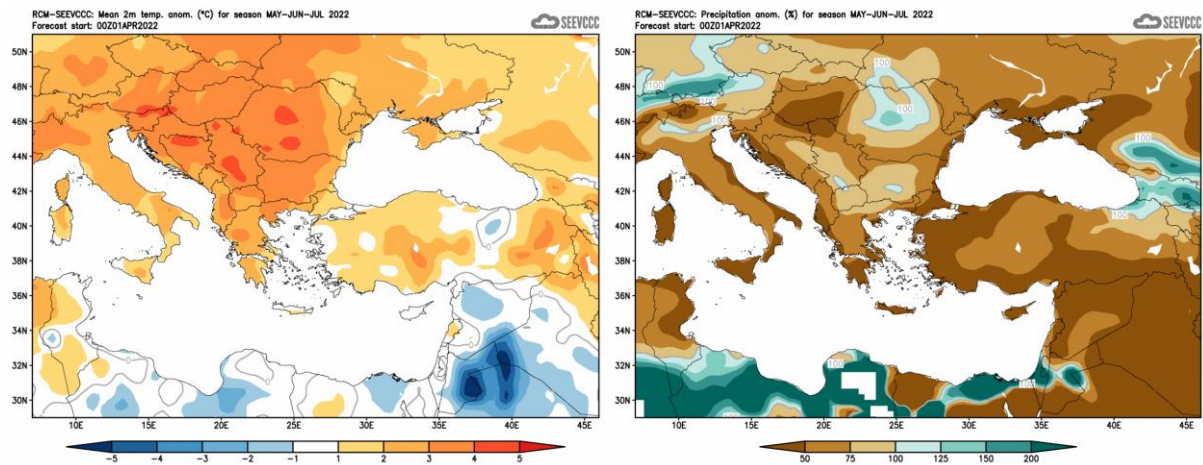


Figure 6. Mean seasonal temperature and precipitation anomaly for the season MJJ (seasonal outlook from RCM – SEEVCCC)

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/>)