Climate Watch (Serial No.: 20221024–42)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 24-10-2022 16:00 P.M.

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Valid from – to: 24-10-2022 – 31-1-2023 Next amendment: 31-10-2022

Region of concern: **SEE**

„Within the first week (24 to 30 October 2022), ECMWF monthly forecast predicts above average mean weekly air temperature with anomaly from +3°C up to +6°C in most of the region. Probability for exceeding upper tercile is around 90%. Precipitation deficit is predicted for most of the region, with up to 90% probability for exceeding lower tercile. "

Monitoring

During the period from 16 to 22 October 2022, weekly precipitation sums were up to 25 mm in most of Turkey and in northeastern part even up to 100 mm. In the Balkans and western Turkey sums were below 2 mm.

Outlook

Within the first week (24 to 30 October 2022), ECMWF monthly forecast predicts above average mean weekly air temperature with anomaly from +3°C up to +6°C in most of the region. Probability for exceeding upper tercile is around 90%. Precipitation deficit is predicted for most of the region, with up to 90% probability for exceeding lower tercile.

During the second week (31 October to 6 November 2022), above average mean weekly air temperature is forecasted for most of the Balkans, with anomaly up to +3°C. Probability for exceeding upper tercile is up to 80%. Precipitation deficit is forecasted for most of the region, with up to 70% probability for exceeding lower tercile.

During the following three months (November, December 2022 and January 2023), seasonal forecast predicts above average seasonal air temperature in the western and central parts of the Balkans, western Ukraine and Carpathian Mountains. Precipitation surplus is expected along south Adriatic Sea coast, some parts of the Carpathians and the South Caucasus region and southern coast of Black Sea. Precipitation deficit is predicted for southern parts of the SEE region as well as western Balkans.

Update

An updated statement will be issued on 31-10-2022

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

ANNEX

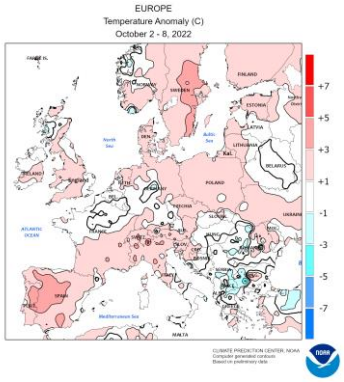
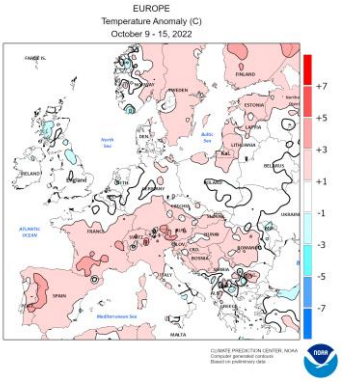
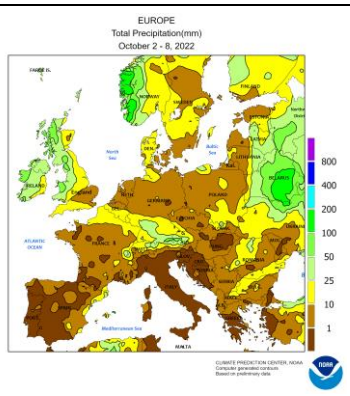
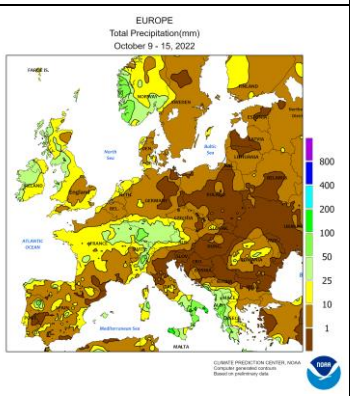
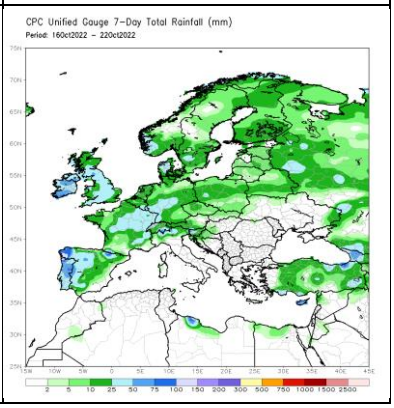
2.10-8.10.2022	9.10-15.10.2022	16.10-22.10.2022
		-
		

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

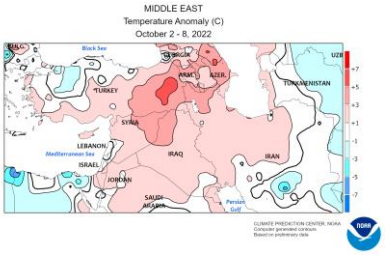
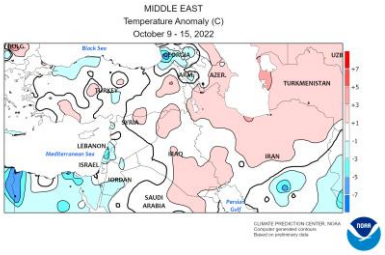
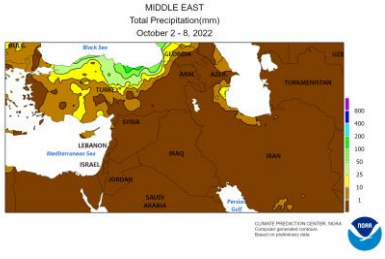
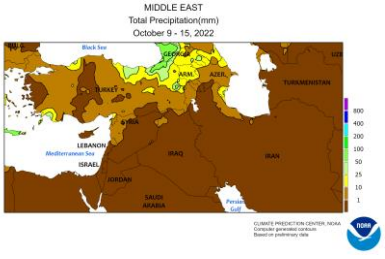
2.10-8.10.2022	9.10-15.10.2022	
		-
		-

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

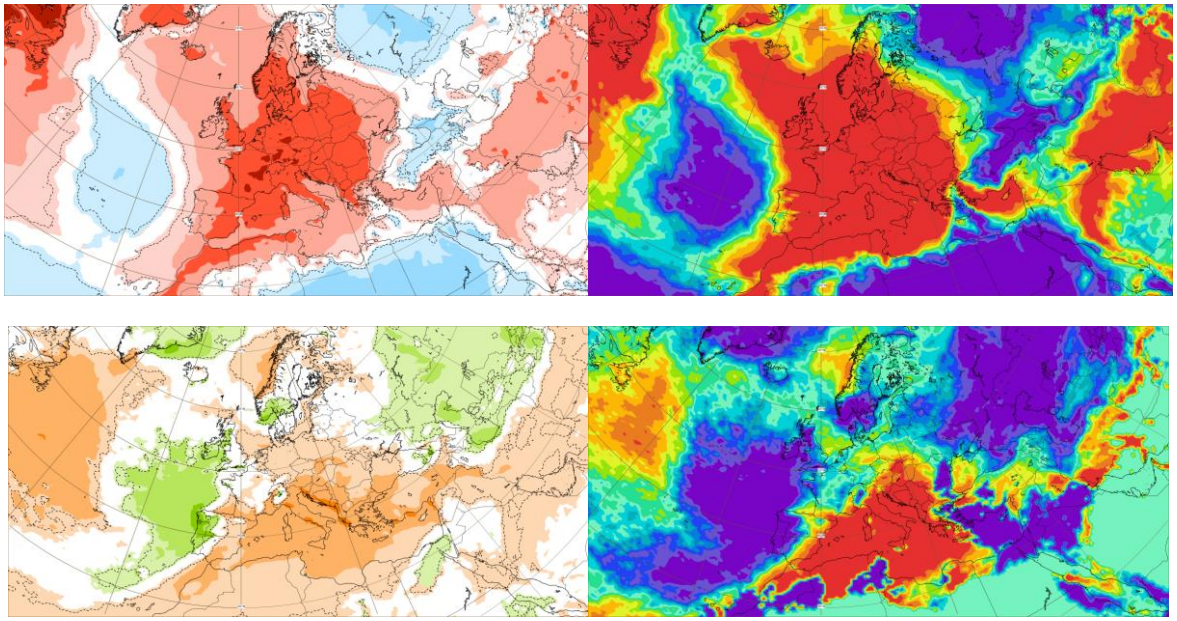


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 24.10–30.10.2022 period

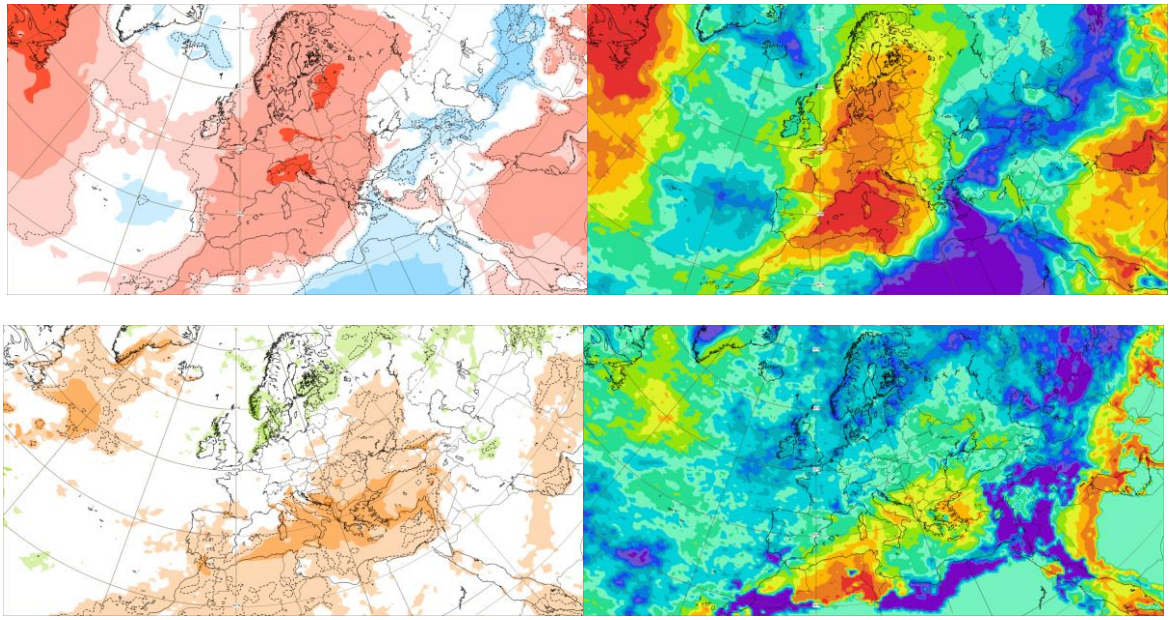


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 31.10–6.11.2022 period

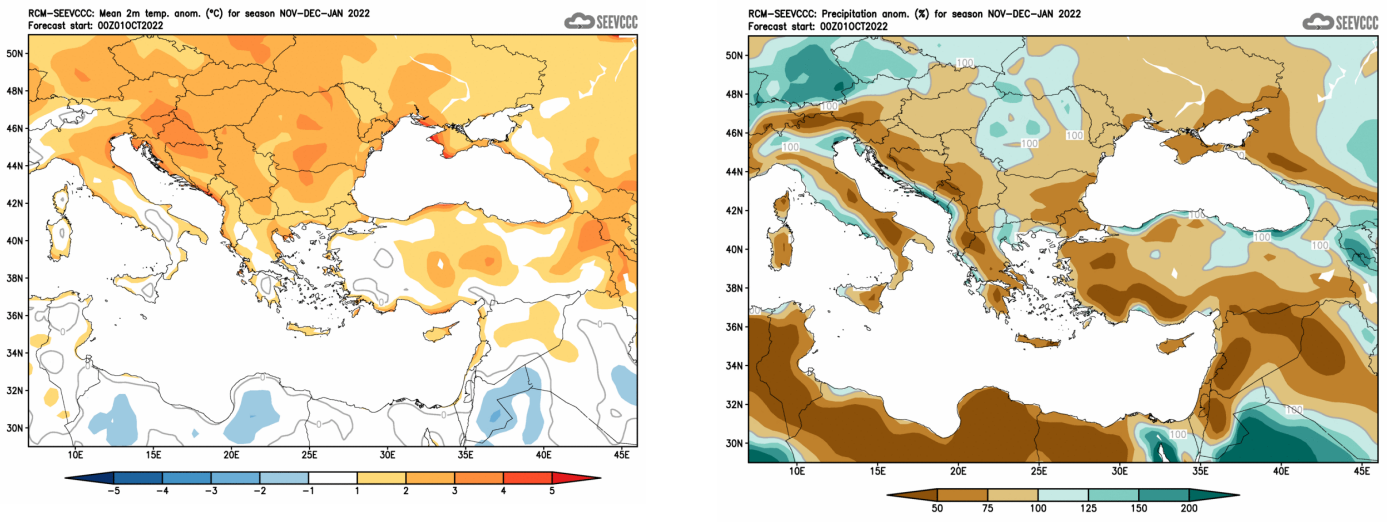


Figure 6. Mean seasonal temperature and precipitation anomaly for the season NDJ (seasonal outlook from RCM – SEEVCCC)

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/)