Climate Watch (Serial No.: 20221010–40)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing the statement:	SEEVCCC	
Issued/ Amended / Cancelled	10-10-2022 16:00 P.M.	
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Valid from – to:	10-10-2022 – 31-12-2022	Next amendment: 17-10-2022

Region of concern: **Georgia**

„Within the first week (10 to 16 October 2022), ECMWF monthly forecast predicts precipitation surplus in coastal Georgia, with up to 80% probability for exceeding upper tercile. “

Monitoring

During the period from 2 to 8 October 2022, weekly precipitation sums were up to 25 mm in most of the SEE region. In northern Ukraine and coastal areas of northern Turkey precipitation totals were around 50 mm, even up to 100 mm in northeastern Turkey and northwestern Georgia.

Outlook

Within the first week (10 to 16 October 2022), ECMWF monthly forecast predicts above average mean weekly air temperature with anomaly up to +3°C in the Balkans, western Ukraine, southwestern Turkey and Azerbaijan. Probability for exceeding upper tercile is around 70%, in Azerbaijan even more than 90%. Precipitation surplus is expected in coastal Georgia, with up to 80% probability for exceeding upper tercile. Precipitation deficit is predicted for eastern Aegean Sea, with around 70% probability for exceeding lower tercile.

During the second week (17 to 23 October 2022), above average mean weekly air temperature is forecasted in most of the Balkans, Ukraine, western Turkey and Azerbaijan, with anomaly up to +3°C. Probability for exceeding upper tercile is around 60%. Precipitation deficit is forecasted for southern parts of the SEE region, with up to 80% probability for exceeding lower tercile in some locations in the Middle East.

During the following three months (October, November and December), 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 17-10-2022

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

ANNEX

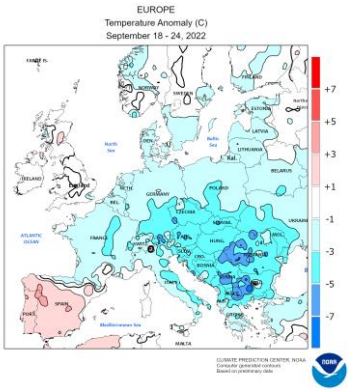
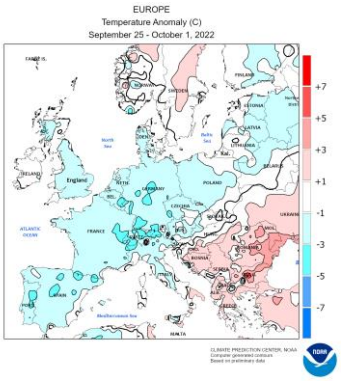
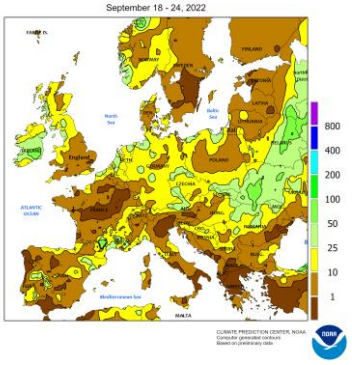
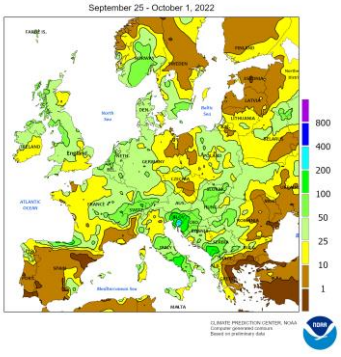
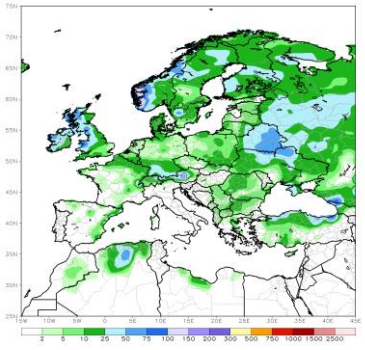
18.9-24.9.2022	25.9-1.10.2022	2.10-8.10.2022
		-
		

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

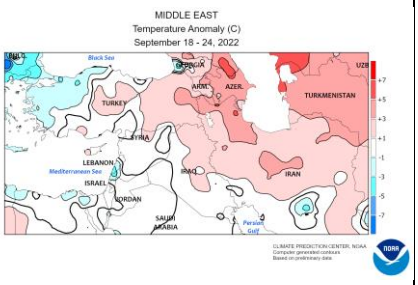
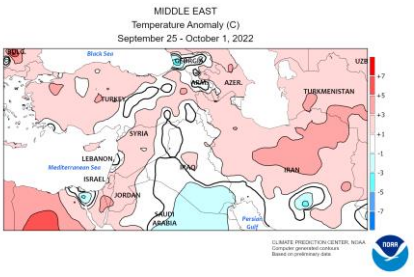
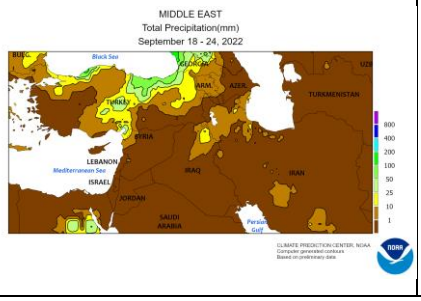
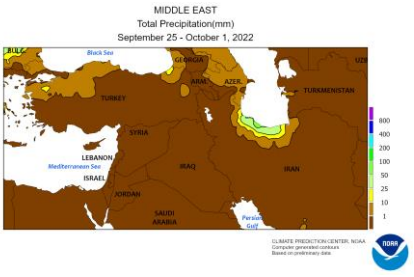
18.9-24.9.2022	25.9-1.10.2022	2.10-8.10.2022
		-
		-

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

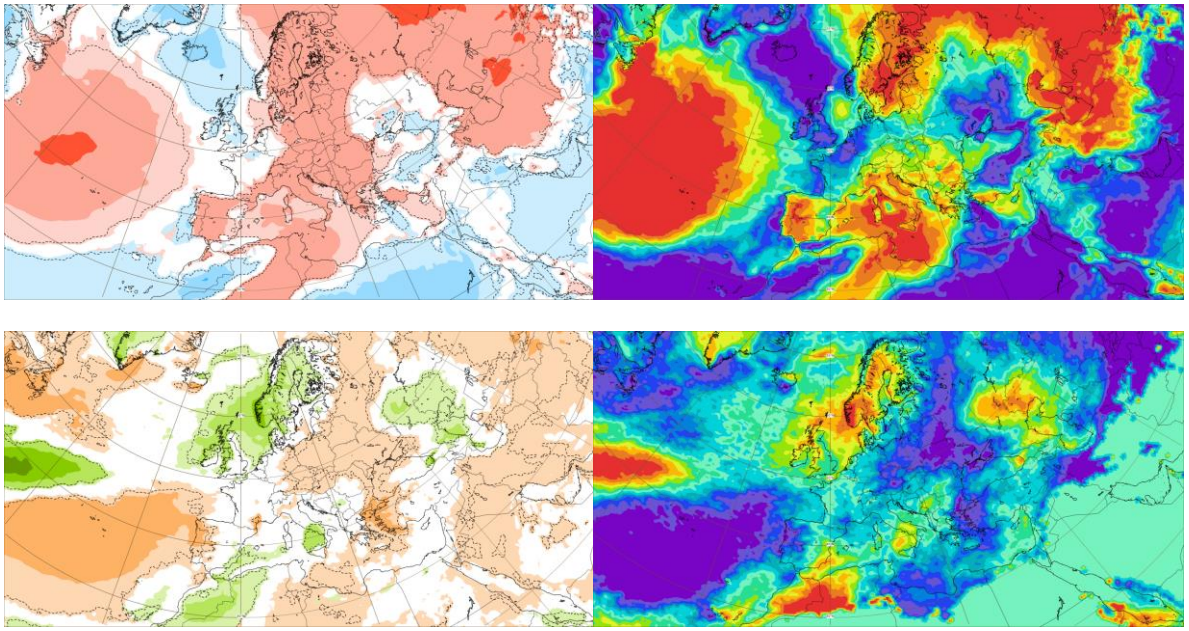


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 10.10–16.10.2022 period

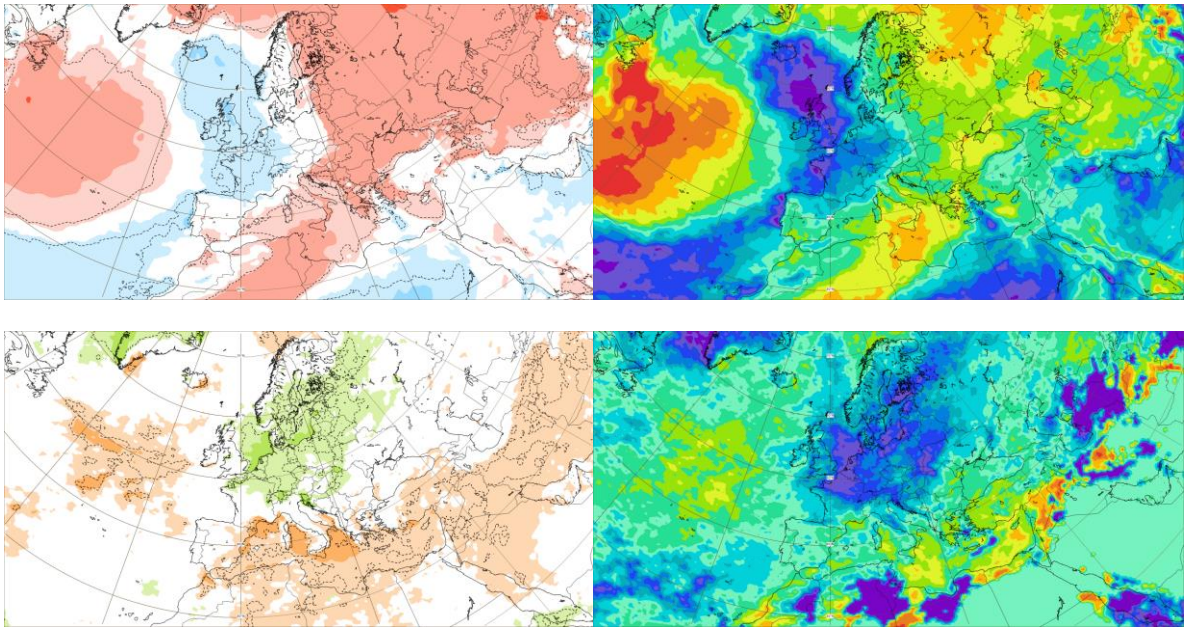


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 17–23.10.2022 period

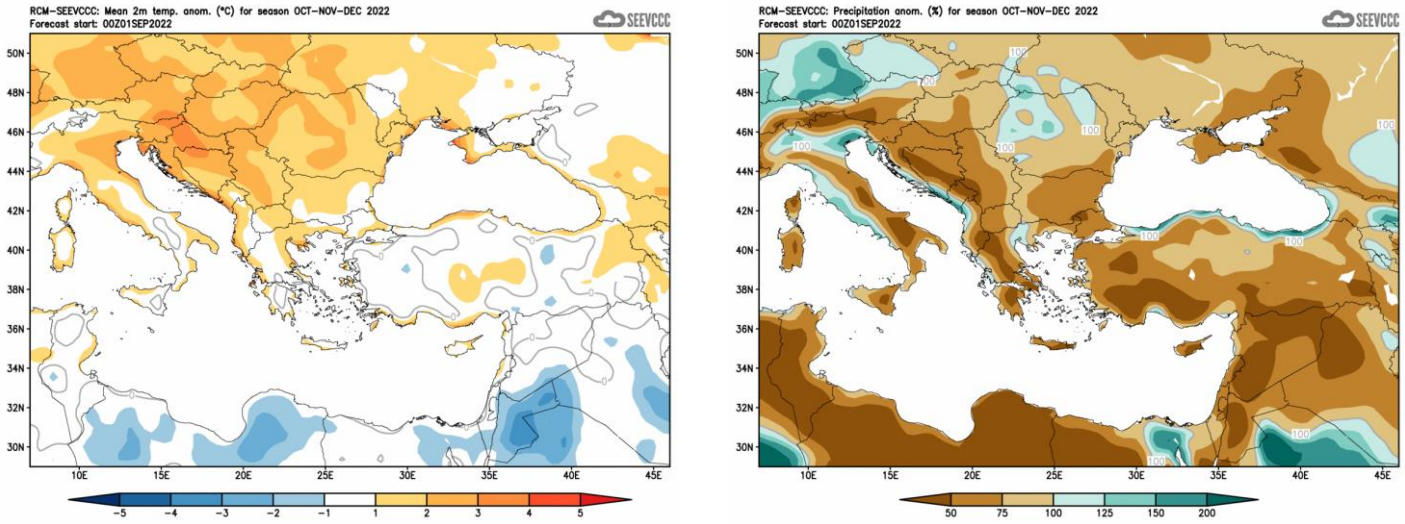


Figure 6. Mean seasonal temperature and precipitation anomaly for the season OND (seasonal outlook from RCM – SEEVCCC)

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/)