Climate Watch (Serial No.: 20220829–34)

Initial/Updated/Final

Topic: **temperature**

Organization issuing the statement:	SEEVCCC
Issued/ Amended / Cancelled	29-8-2022 16:00 P.M.
Contact:	E-mail: cws-seevccc@hidmet.gov.rs Phone: +381112066925 Fax: +381112066929
Valid from – to:	29-8-2022 – 31-10-2022 Next amendment: 5-9-2022

Region of concern: **Ukraine, Turkey and Balkans**

„Within the first week (29 August to 4 September 2022), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly from +3°C in parts of the southern and eastern Balkans, in the Aegean region and Turkey up to +6°C in eastern Turkey and most of the southern Caucasus. Probability for exceeding upper tercile is up to 90%. Bellow average mean weekly air temperature is expected in most of Ukraine with anomaly up to -3°C and with probability up to 70% for exceeding lower tercile. Precipitation surplus is forecasted for most of Balkans, Moldova and parts of Ukraine, with around 80% probability for exceeding upper tercile..“

Monitoring

During the period from 21 to 27 August 2022, weekly precipitation sums were up to 75 mm in some parts of western, central, eastern and southern Balkans, except southeastern Romania were up to 100 mm. In central Georgia weekly precipitation sums were up to 150 mm, while in rest of the region weekly precipitation totals were up to 25 mm.

Outlook

Within the first week (29 August to 4 September 2022), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly from +3°C in parts of the southern and eastern Balkans, in the Aegean region and Turkey up to +6°C in eastern Turkey and most of the southern Caucasus. Probability for exceeding upper tercile is up to 90%. Bellow average mean weekly air temperature is expected in most of Ukraine with anomaly up to -3°C and with probability up to 70% for exceeding lower tercile. Precipitation surplus is forecasted for most of Balkans, Moldova and parts of Ukraine, with around 80% probability for exceeding upper tercile. Precipitation deficit is forecast in the Aegean region, most of Turkey and the southern Caucasus and with up to 90% probability for exceeding lower tercile.

During the second week (4 to 11 September 2022), above average temperature, with anomaly up to +3°C, is expected in most of the Balkans, Middle East, and south and east Turkey. Probability for exceeding upper tercile is around 80%. Average weekly rainfall is expected for most of the SEE region.

During the following three months (August, September and October), seasonal forecast predicts above normal seasonal air temperature in the northern and eastern Balkans. Below normal seasonal air temperature is expected in part of central and southeastern Turkey. Precipitation surplus is expected in the Carpathians and the South Caucasus region. Precipitation deficit is predicted for rest of the SEE region.

Update

An updated statement will be issued on 5-9-2022

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

ANNEX

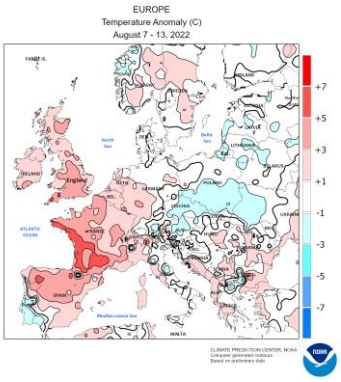
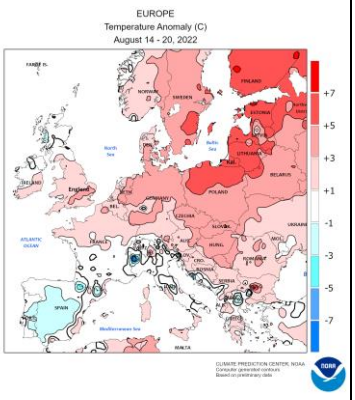
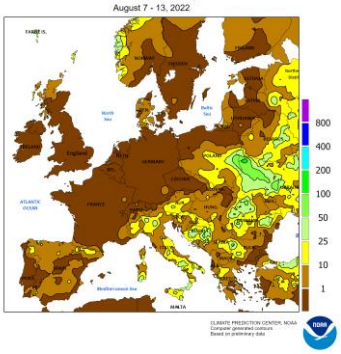
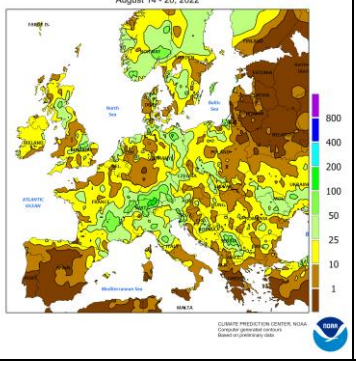
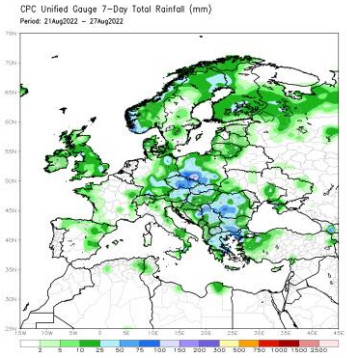
7.8-13.8.2022	14.8-20.8.2022	21.8-27.8.2022
		-
		

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

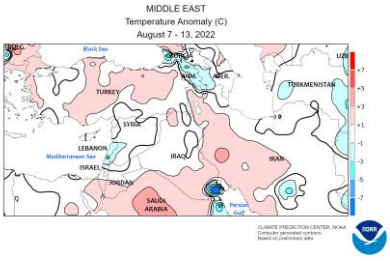
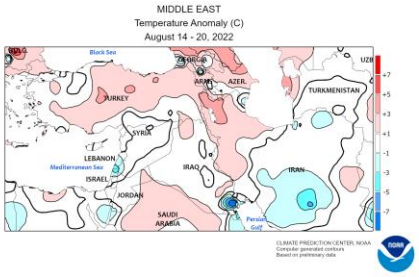
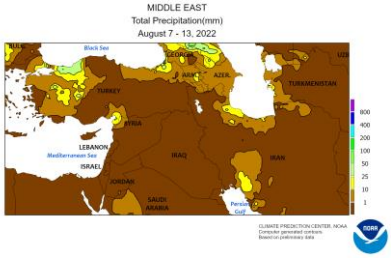
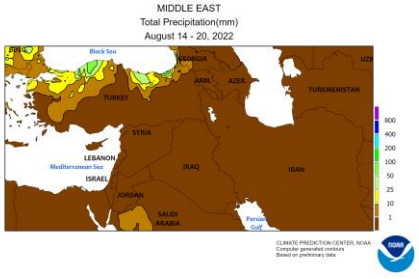
7.8-13.8.2022	14.8-20.8.2022	21.8-28.8.2022
		-
		-

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

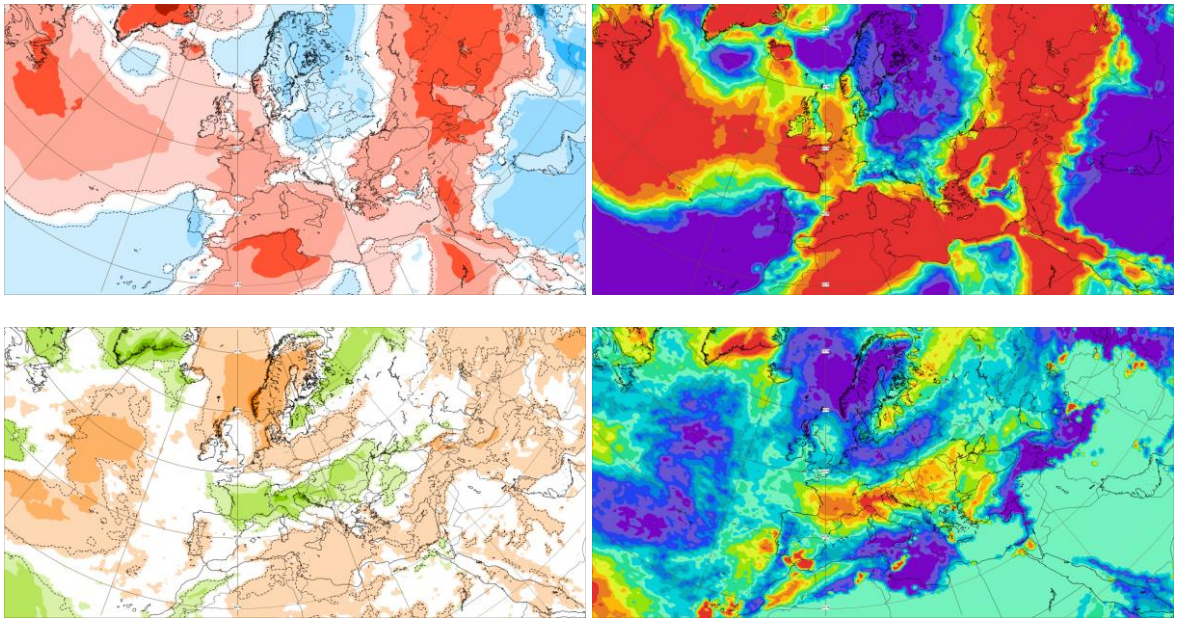


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 29.8–4.9.2022 period

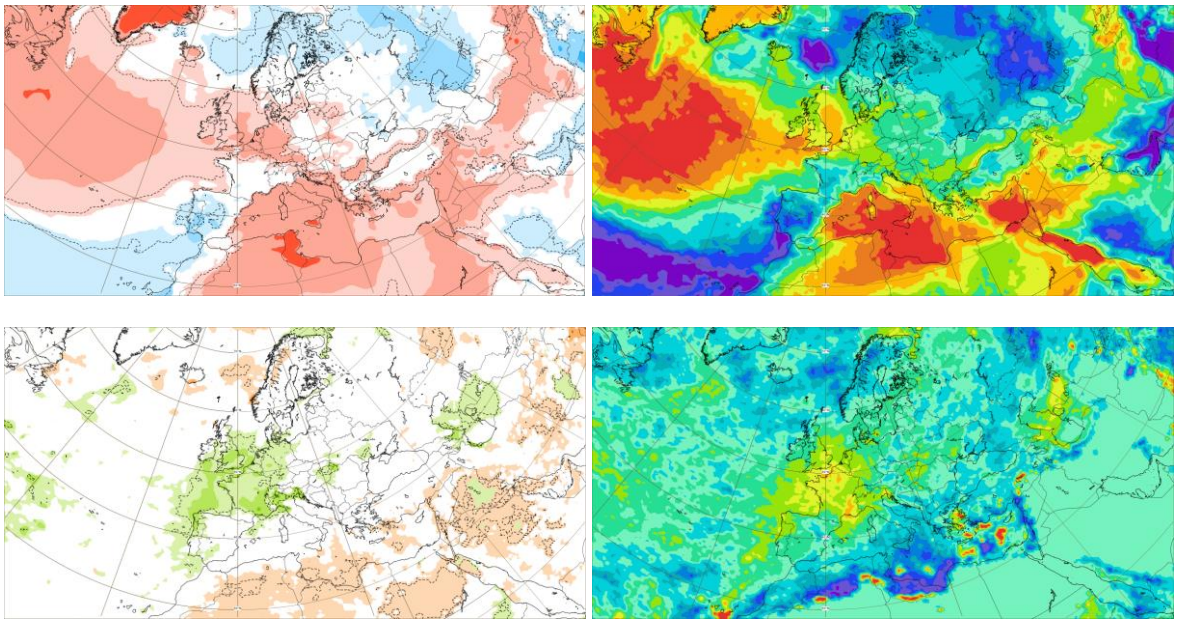


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 5.9–11.9.2022 period

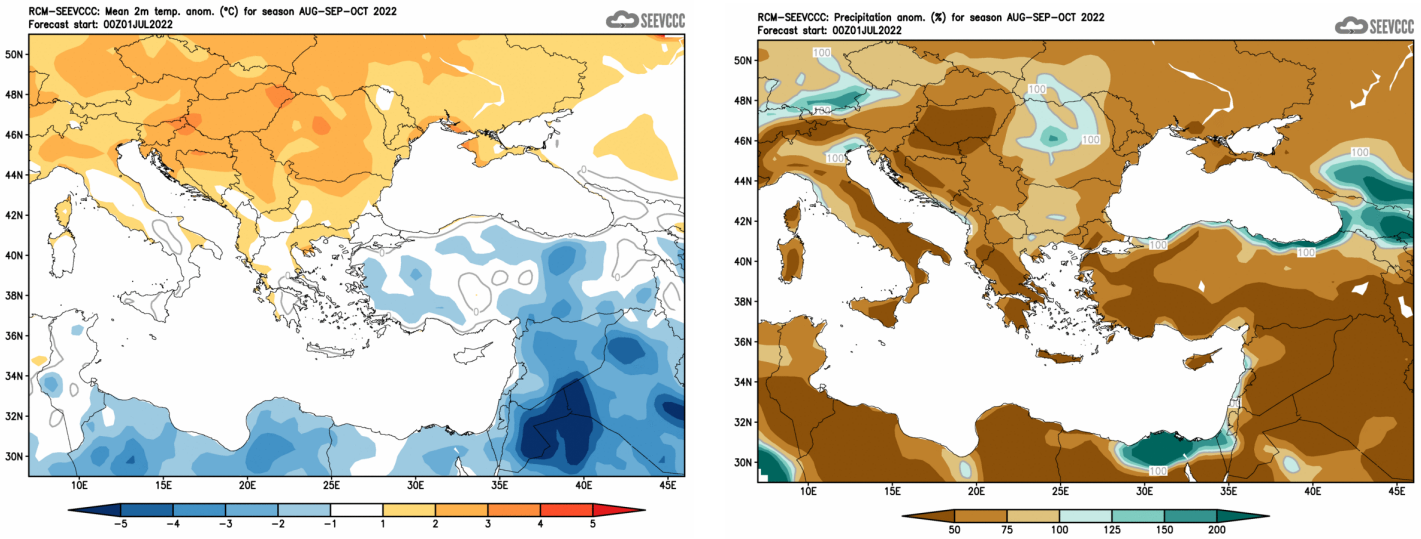


Figure 6. Mean seasonal temperature and precipitation anomaly for the season ASO (seasonal outlook from RCM – SEEVCCC)

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/)