Climate Watch (Serial No.: 20220905–35)

Initial/Updated/Final

Topic: **temperature**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 5-9-2022 16:00 P.M.

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Valid from – to: 5-9-2022 – 31-10-2022 Next amendment: 12-9-2022

Region of concern: **Balkans and Turkey**

„Within the first week (5 to 11 September 2022), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly from +3°C in parts of the western Balkans. Probability for exceeding upper tercile is up to 90%. Bellow average mean weekly air temperature is expected in central and northern Turkey with anomaly up to -3°C and with probability up to 70% for exceeding lower tercile. Precipitation surplus is forecasted for most western Romania, with around 70% probability for exceeding upper tercile. Precipitation deficit is forecast for southern Balkans and eastern Turkey with up to 80% probability for exceeding lower tercile.“

Monitoring

During the period from 28 August to 3 September 2022, weekly precipitation sums were up to 75 mm in the central and eastern Balkans, while in some parts of Romania sums were up to 100 mm. In rest of the region weekly precipitation totals were up to 25 mm.

Outlook

Within the first week (5 to 11 September 2022), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly from +3°C in parts of the western Balkans. Probability for exceeding upper tercile is up to 90%. Bellow average mean weekly air temperature is expected in central and northern Turkey with anomaly up to -3°C and with probability up to 70% for exceeding lower tercile. Precipitation surplus is forecasted for most western Romania, with around 70% probability for exceeding upper tercile. Precipitation deficit is forecast for southern Balkans and eastern Turkey with up to 80% probability for exceeding lower tercile.

During the second week (12 to 18 September 2022), average mean weekly air temperature and precipitation are expected in most of the region.

During the following three months (September, October and November), seasonal forecast predicts average seasonal air temperature. 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 12-9-2022

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

ANNEX

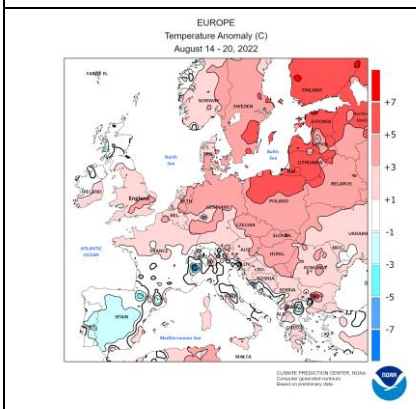
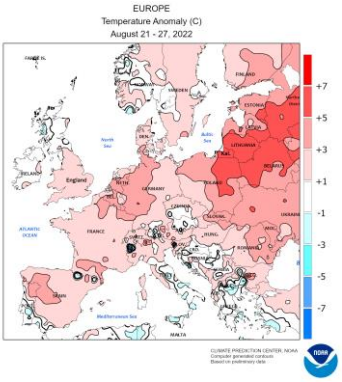
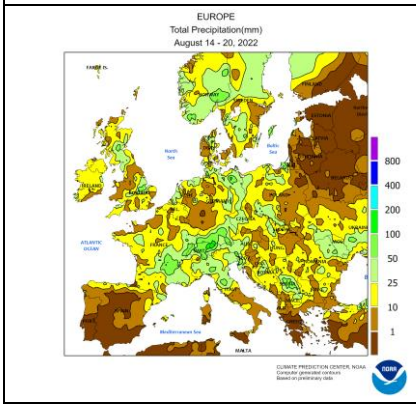
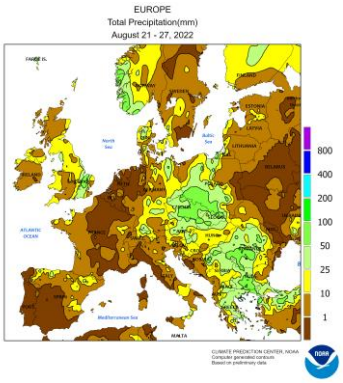
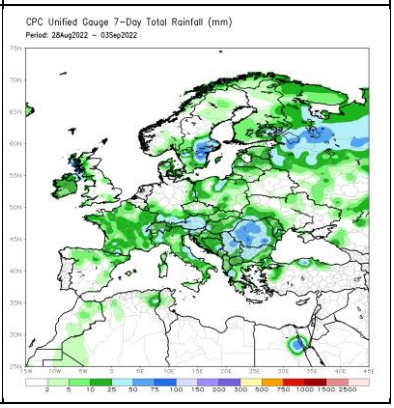
14.8-20.8.2022	21.8-27.8.2022	28.8-3.9.2022
		-
		

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

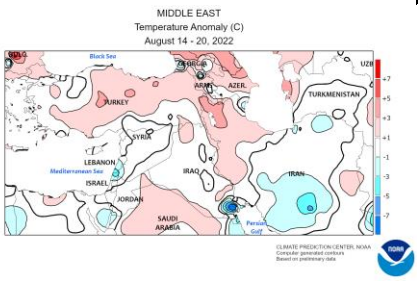
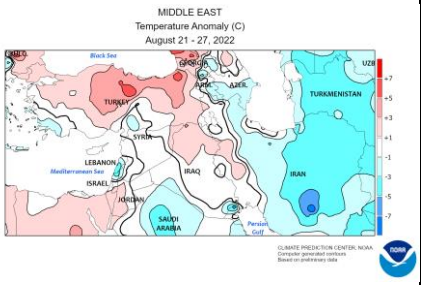
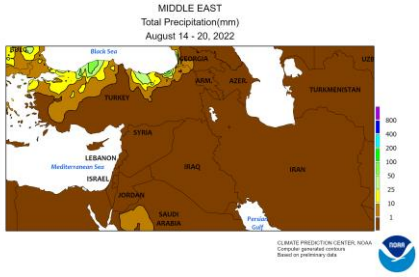
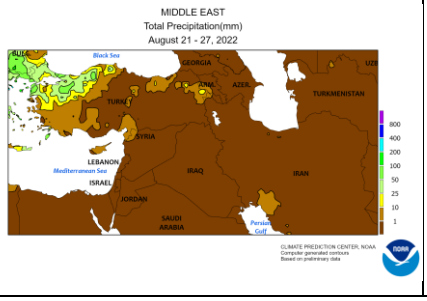
14.8-20.8.2022	21.8-28.8.2022	
		-
		-

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

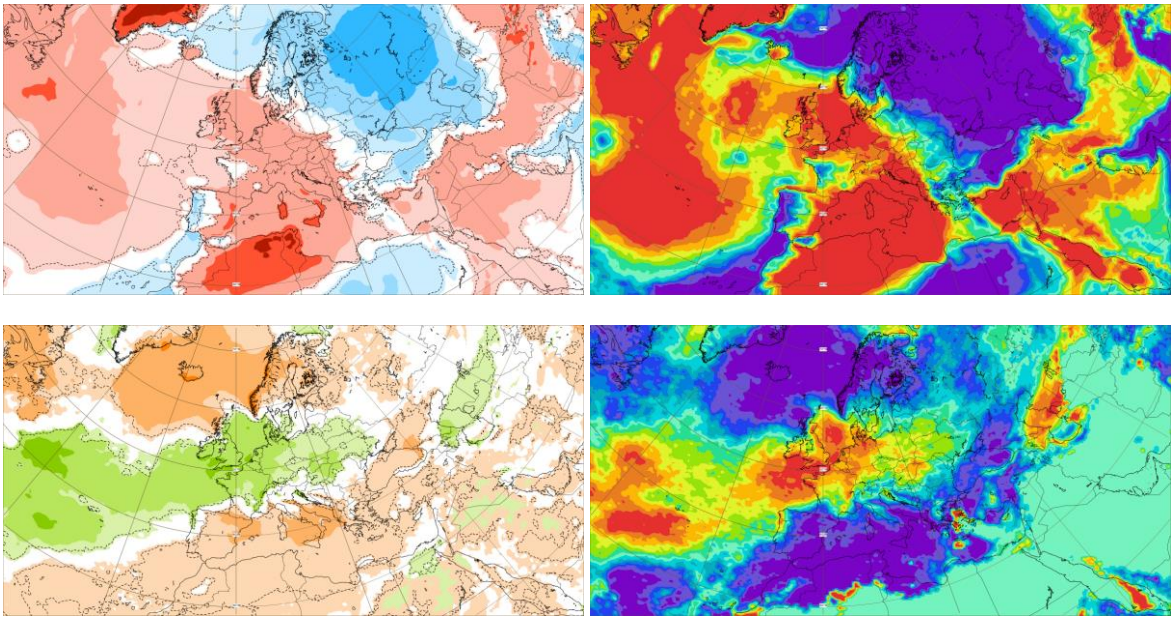


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 5.9–11.9.2022 period

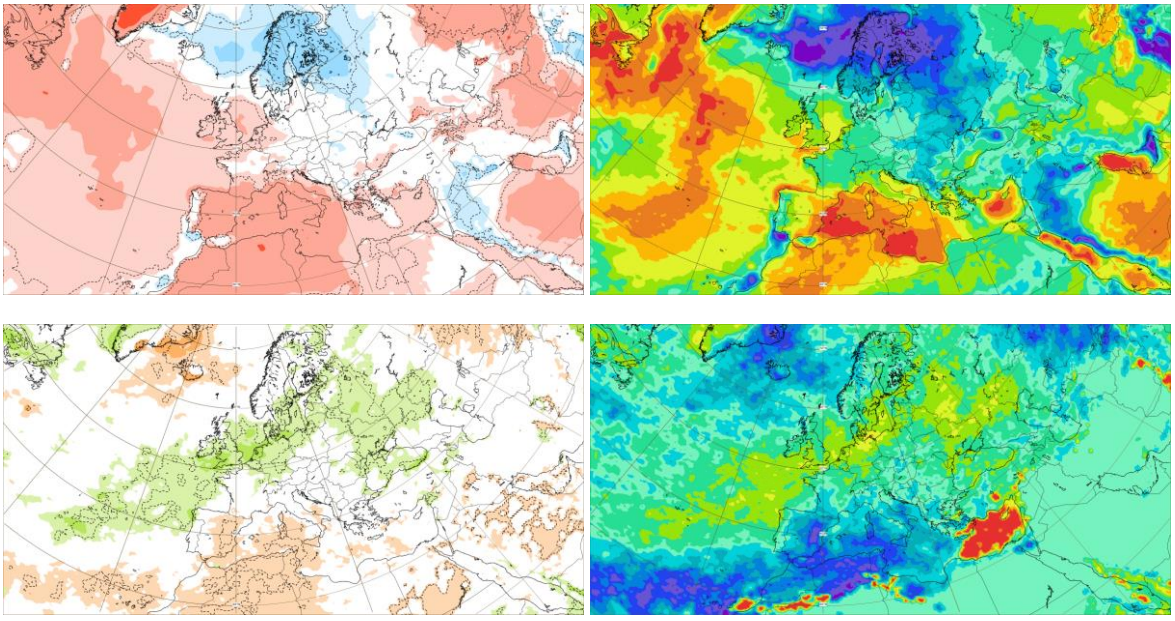


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 12.9–18.9.2022 period

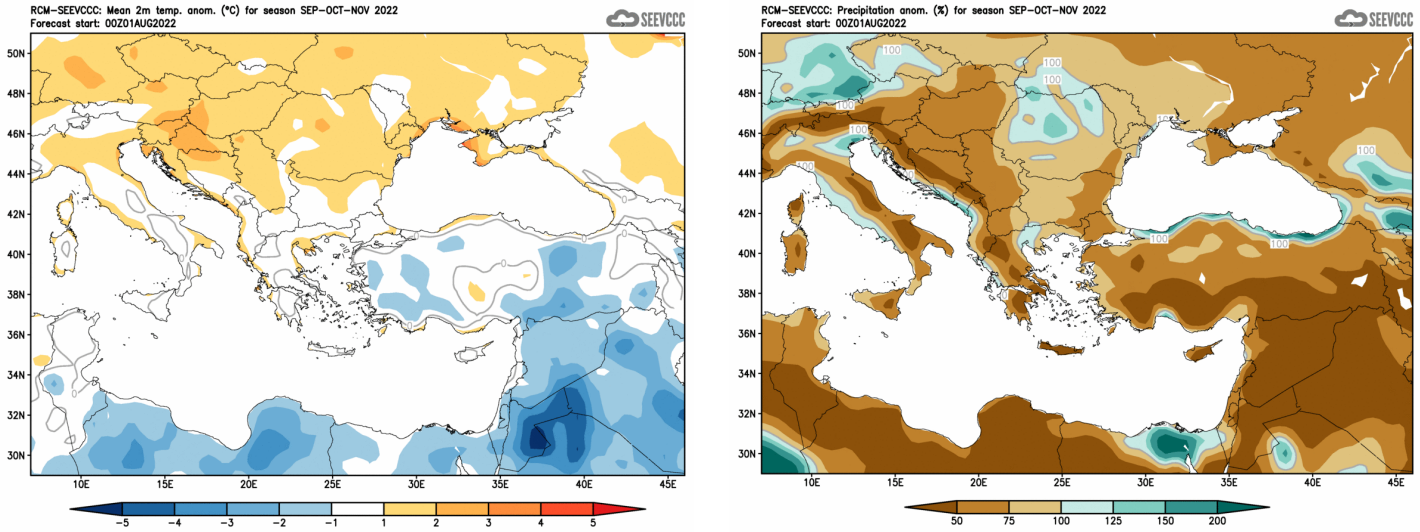


Figure 6. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook from RCM – SEEVCCC)

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/)