Climate Watch (Serial No.: 20210621–25)

Initial/Updated/Final

Topic**: temperature** and **precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 21-6-2021 16:00 P.M.

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Valid from – to: 21-6-2021 – 30-9-2021 Next amendment: 28-6-2021

Region of concern: **SEE**

„Within the following four weeks (21 June to 18 July 2021), ECMWF monthly forecast predicts above average temperature for almost the entire region, beside eastern Balkans, southern Ukraine and central Turkey, with anomaly up to +3°C and up to 90% probability for exceeding upper tercile. Precipitation surplus is forecasted for western Turkey, with probability up to 80% for exceeding upper tercile. Precipitation deficit is forecasted along the Adriatic Sea coast and southeastern Turkey with up to 70% probability for exceeding lower tercile."

Monitoring

During the period from 13 to 19 June 2021, precipitation sums around 50 mm were recorded in the eastern Balkans, Moldova, Ukraine, Georgia and northwestern Turkey, in eastern Romania even more than 100 mm. In the rest of the region, weekly precipitation totals were below 25 mm.

Outlook

Within the first week (21 to 27 June 2021), ECMWF monthly forecast predicts above normal mean weekly air temperature for the western and southern Balkans, northern and central Ukraine, eastern Turkey and South Caucasus with anomaly up to +5°C and up to 90% probability for exceeding upper tercile. Precipitation surplus is forecasted for Ukraine and Cyprus but with low probability for exceeding upper tercile, as well as central and southwestern Turkey, with probability up to 90% for exceeding upper tercile. Precipitation deficit is predicted for the western Balkans with up to 70% probability for exceeding lower, while for eastern Turkey and South Caucasus, probability for exceeding lower tercile is up to 90%.

During the second week (28 June to 4 July 2021), above average temperature is predicted for almost the entire region, beside eastern Balkans and western Turkey, with anomaly up to +4°C and up to 90% probability for exceeding upper tercile. Precipitation surplus is forecasted for the Aegean Sea and western Turkey, with low probability for exceeding upper tercile. Precipitation deficit is forecasted along the Adriatic Sea coast and southeastern Turkey with up to 70% probability for exceeding lower tercile.

In the period from 21 June to 18 July 2021, above average temperature is predicted for almost the entire region, beside eastern Balkans, southern Ukraine and central Turkey, with anomaly up to +3°C and up to 90% probability for exceeding upper tercile. Precipitation surplus is forecasted for western Turkey, with probability up to 80% for exceeding upper tercile. Precipitation deficit is forecasted along the Adriatic Sea coast and southeastern Turkey with up to 70% probability for exceeding lower tercile.

During the following three months (July, August and September) seasonal forecast predicts above normal seasonal air temperature for the northern Balkans, Pannonian Plain, Carpathian Mountains, western and central Ukraine. Precipitation surplus is expected for southern Carpathian Mountains, northeastern Turkey and South Caucasus region. Precipitation deficit is predicted along the Adriatic Sea cost, southern Balkans, Pannonian Plain, southern Ukraine and most of Turkey.

Update

An updated statement will be issued on 28-6-2021

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

ANNEX

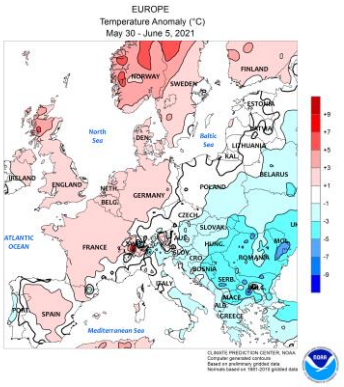
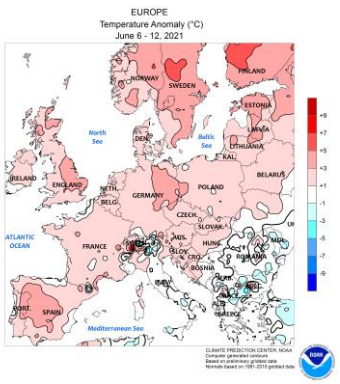
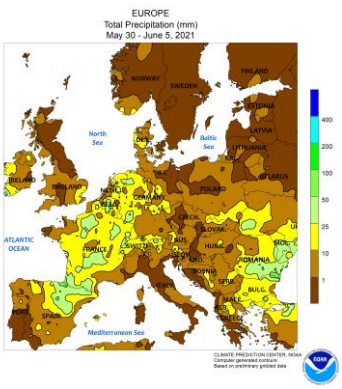
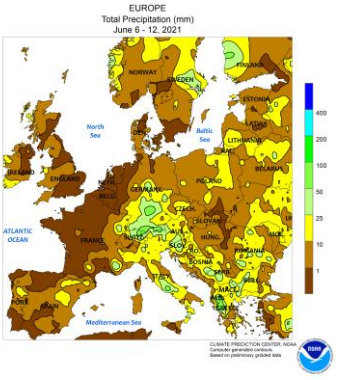
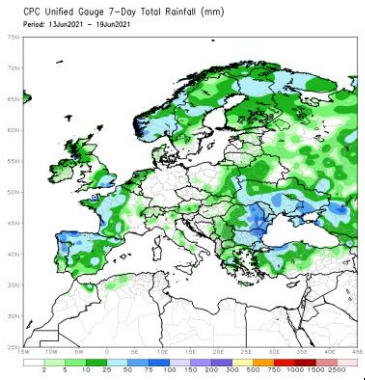
30.5-5.6.2021	6-12.6.2021	13-19.6.2021
		-
		

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

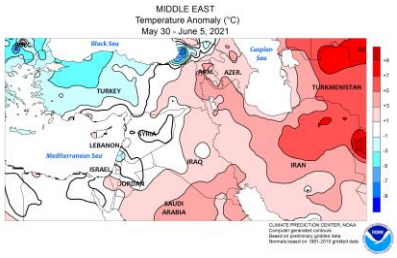
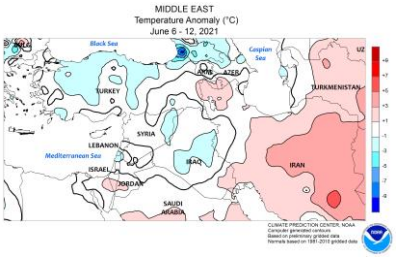
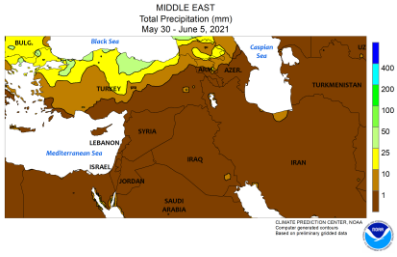
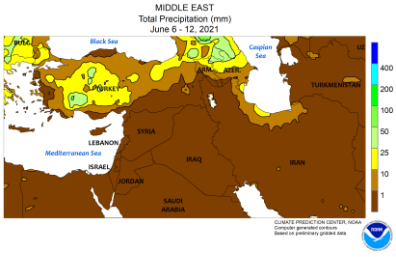
30.5-5.6.2021	6-12.6.2021	13-19.6.2021
		-
		-

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

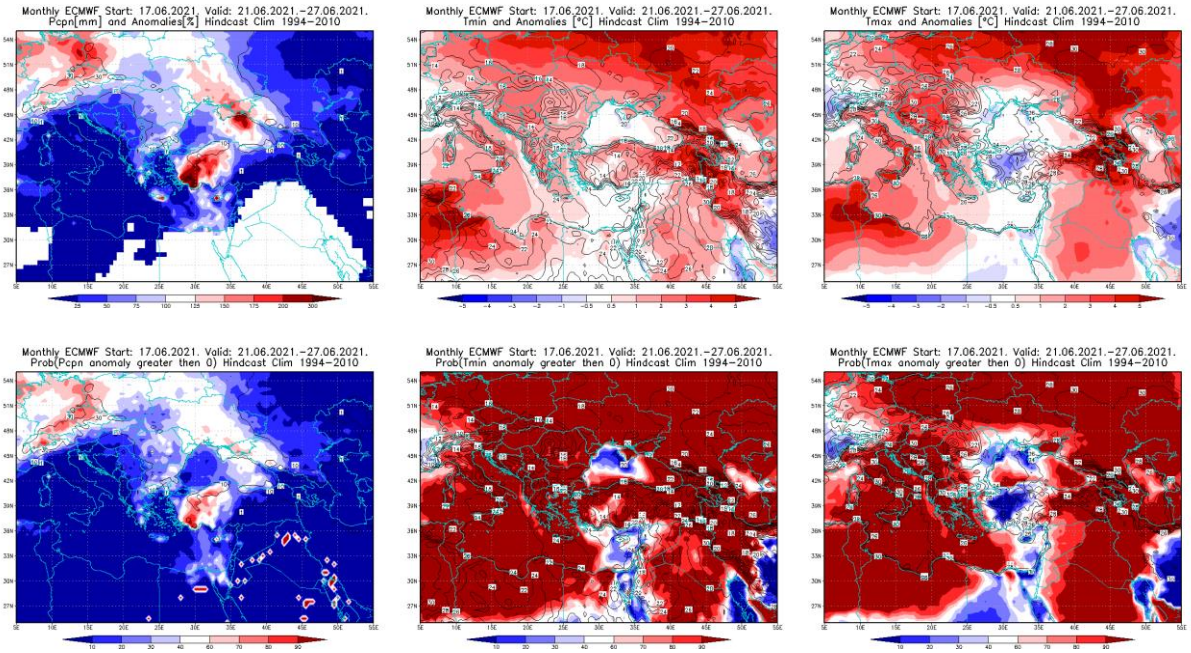


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 21.6–27.6.2021 period

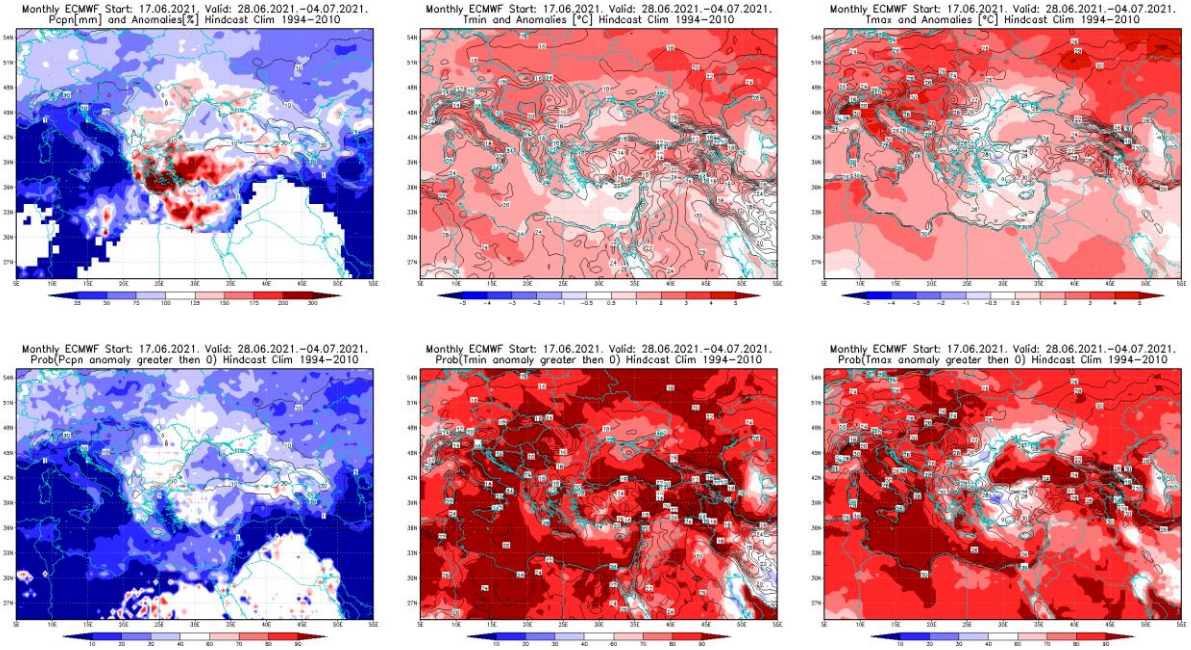


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 28.6–4.7.2021 period

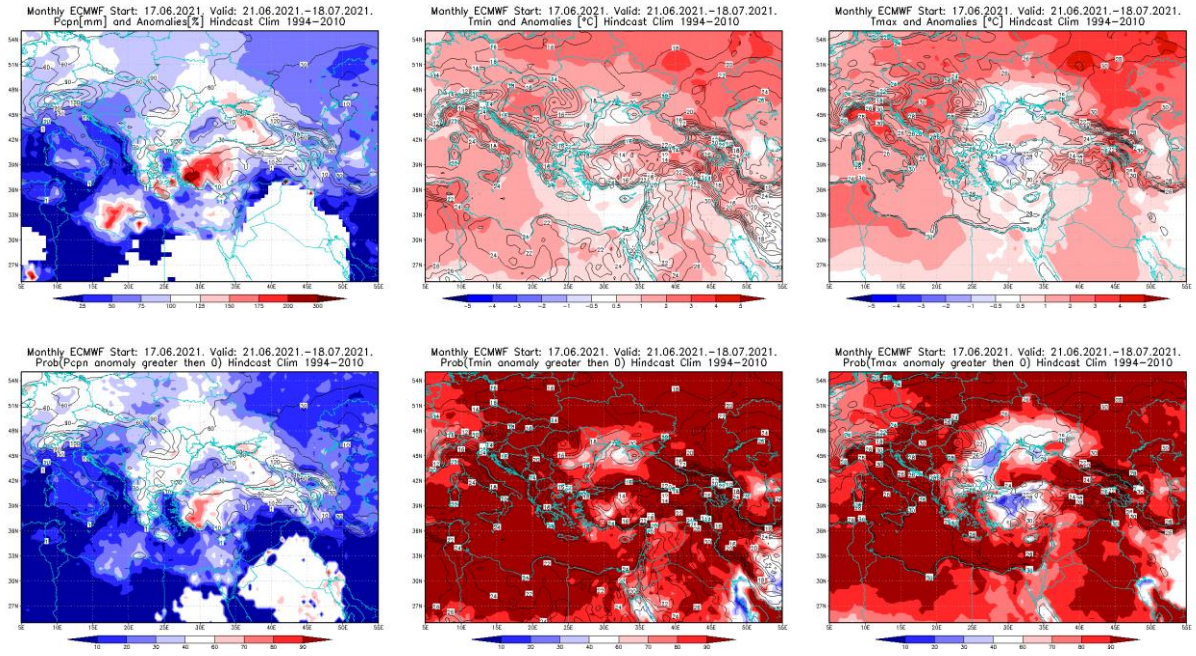


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 21.6–18.7.2021 period

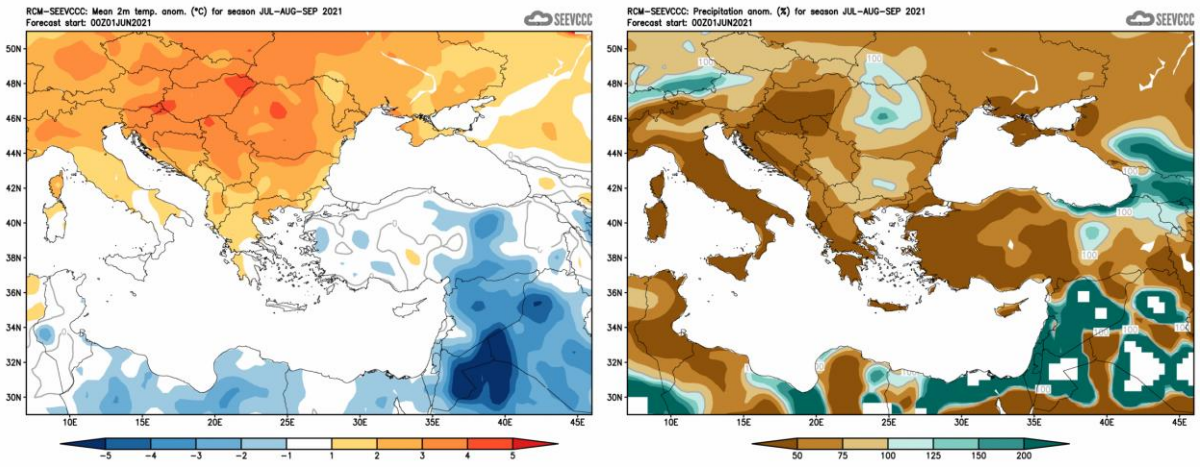


Figure 6. Mean seasonal temperature and precipitation anomaly for the season JAS (seasonal outlook from RCM – SEEVCCC)

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/)