Climate Watch (Serial No.: 20210510–19)

Initial/Updated/Final

Topic**: temperature and precipitation**

Organization issuing the statement:	SEEVCCC
Issued/ Amended / Cancelled	10-5-2021 16:00 P.M.
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Valid from – to:	10-5-2021 – 31-7-2021 Next amendment: 17-5-2021

Region of concern: **Cyprus, most of Turkey, South Caucasus and Middle East**

„Within the following four weeks (10 May to 6 June 2021), ECMWF monthly forecast predicts above average temperature for Cyprus, most of Turkey, South Caucasus and Middle East, with anomaly up to +4°C and up to 90% probability in Turkey and Middle East for exceeding upper tercile. Precipitation deficit is predicted for some parts of southern Balkans, Turkey and the Middle East, with up to 90% probability for exceeding lower tercile."

Monitoring

During the period from 2 to 8 May 2021, precipitation sums were below 25 mm in almost the entire SEE region.

Outlook

Within the first week (10 to 16 May 2021), ECMWF monthly forecast predicts above normal mean weekly air temperature for the western and central Balkans, Cyprus, most of Turkey and Middle East, with anomaly up to +3°C and up to 90% probability for exceeding upper tercile. Below average temperature is expected for the parts of the southern Balkans, most of eastern Balkans, Moldova and Ukraine, with anomaly up to -2°C, with probability up to 90% for exceeding lower tercile. Precipitation deficit is predicted for almost the entire SEE region, with probability ranging from 70% in the Carpathian region and most of south Balkans, up to 90% in the most of Turkey for exceeding lower tercile.

During the second week (17 to 23 May 2021), above average temperature is predicted for the entire SEE region, with +2°C anomaly and up to 70% probability in Ukraine, up to +4°C anomaly and 90% probability for exceeding upper tercile in Turkey, South Caucasus and Middle East. Precipitation deficit is forecasted for the Aegean Sea, most of Middle East, south Turkey as well as some location on South Caucasus, with up to 60% probability for exceeding lower tercile.

In the period from 10 May to 6 June 2021, above average temperature is predicted for Cyprus, most of Turkey, South Caucasus and Middle East, with anomaly up to +4°C and up to 90% probability in Turkey and Middle East for exceeding upper tercile. Precipitation deficit is predicted for some parts of southern Balkans, Turkey and the Middle East, with up to 90% probability for exceeding lower tercile.

During the following three months (May, June and July) seasonal forecast predicts above normal seasonal air temperature for most of the region. Precipitation surplus is expected for Carpathian and South Caucasus region, eastern Turkey, as well as some parts of Ukraine. Precipitation deficit is predicted for some locations in the southern and eastern Balkans, parts of central Balkans, southern Ukraine, as well as western and southern Turkey. Average seasonal precipitation sums are expected in rest of the region.

Update

An updated statement will be issued on 17-5-2021

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

ANNEX

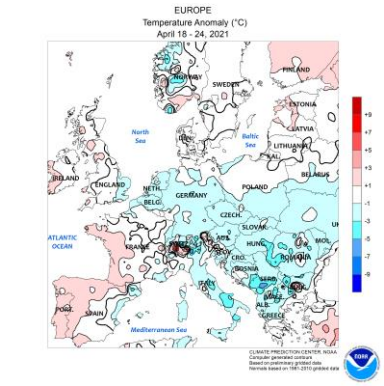
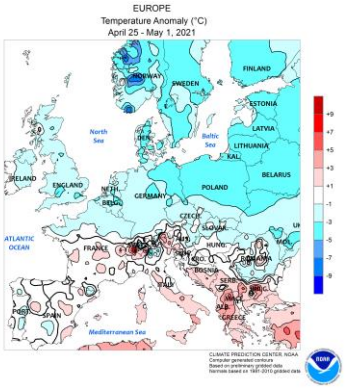
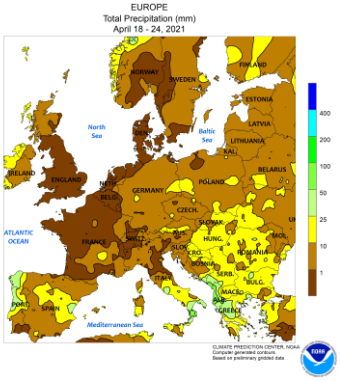
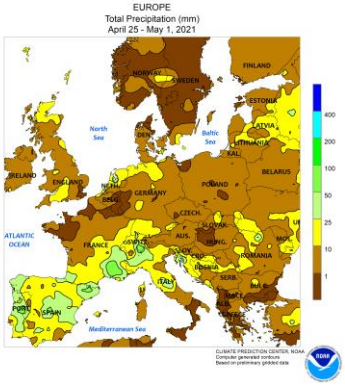
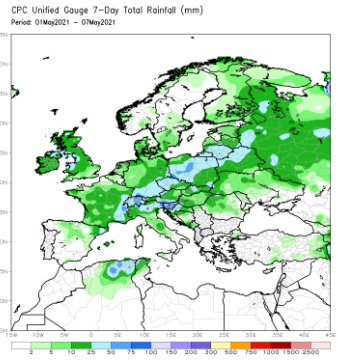
18.4-24.4.2021	25.4-1.5.2021	
		-
		

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

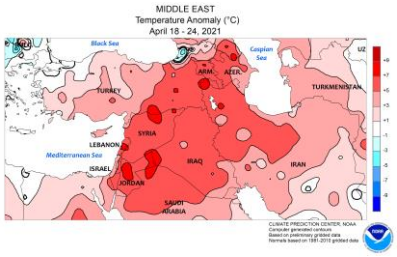
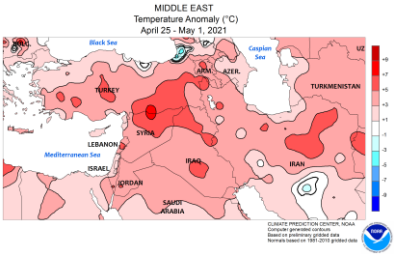
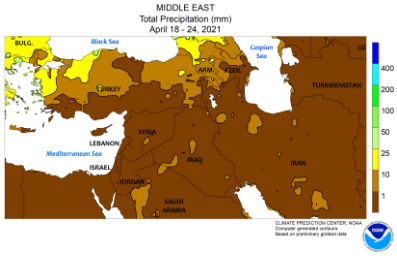
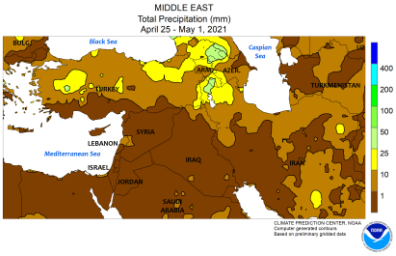
18.4-24.4.2021	25.4-1.5.2021	
		-
		-

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

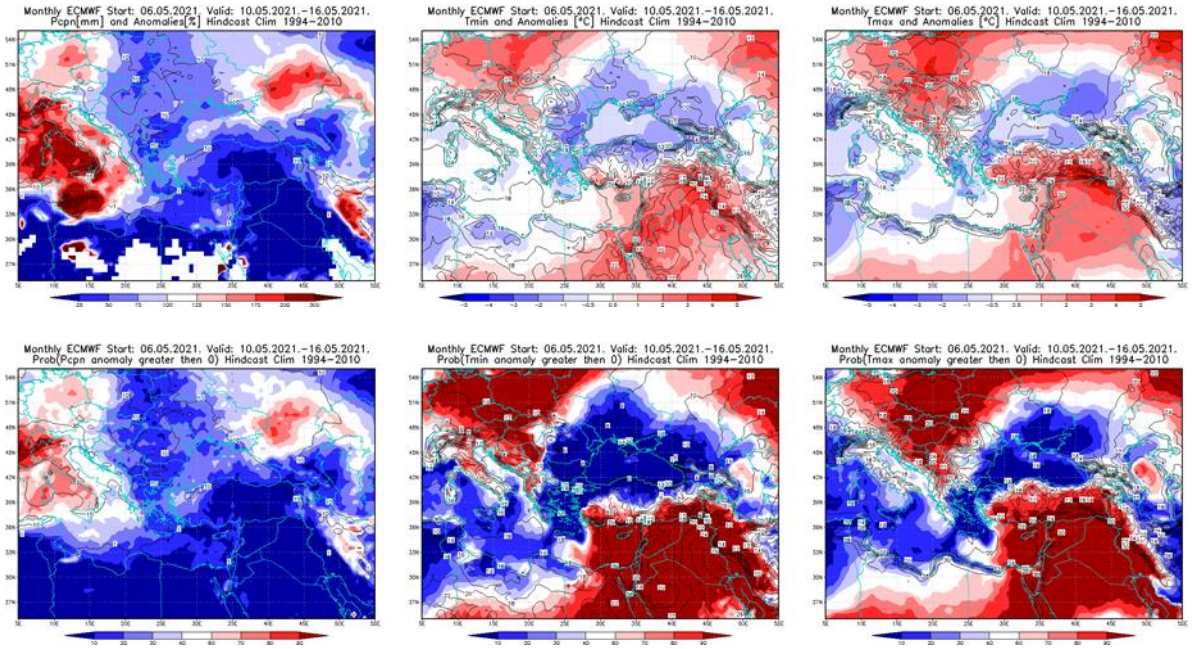


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 10-16.5.2021 period

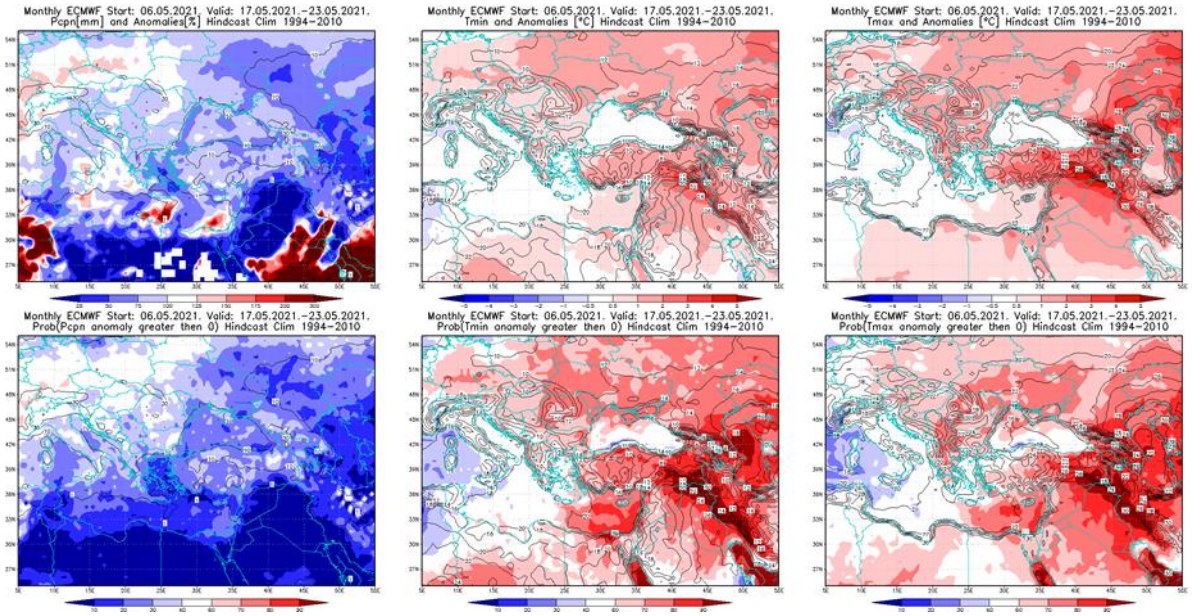


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 17–23.5.2021 period

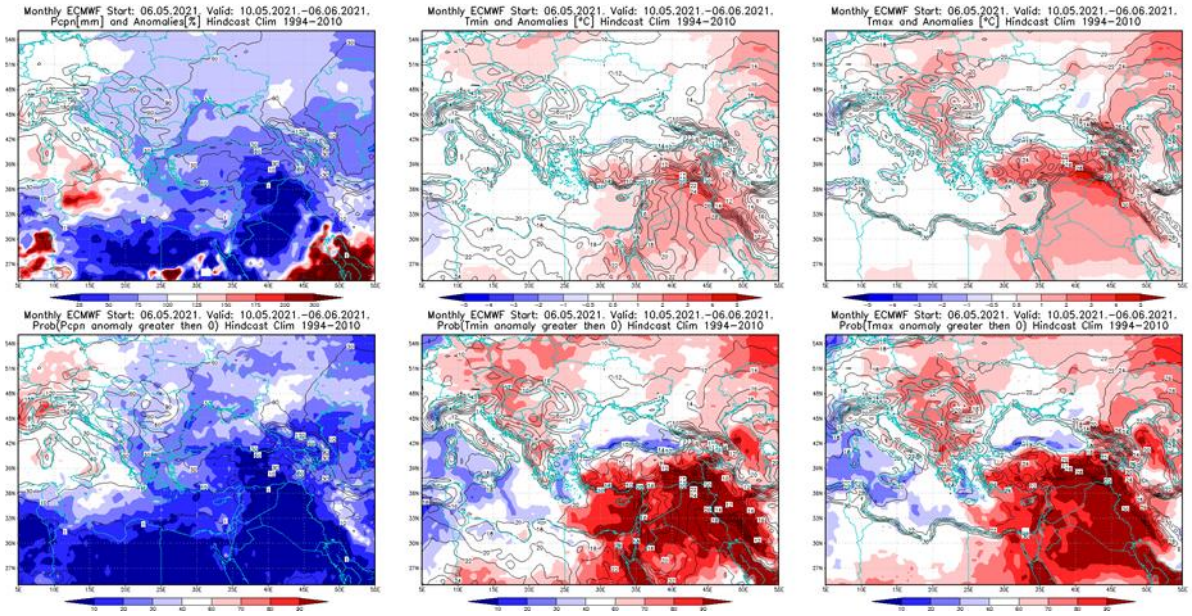


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 10.5–6.6.2021 period

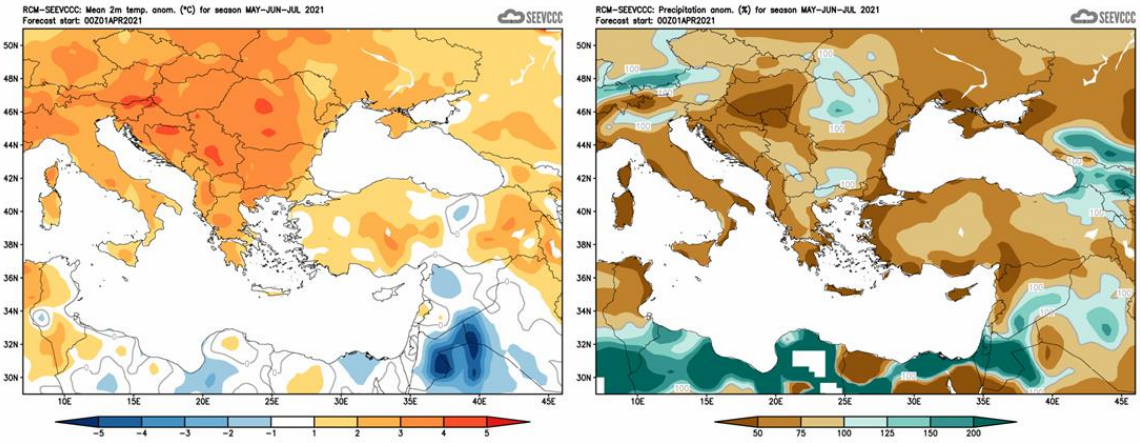


Figure 6. Mean seasonal temperature and precipitation anomaly for the season MJJ (seasonal outlook from RCM – SEEVCCC)

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/)