Climate Watch (Serial No.: 20210524–21)

Initial/Updated/Final

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

Organization issuing the statement:	SEEVCCC
Issued/ Amended / Cancelled	24-5-2021 16:00 P.M.
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Valid from – to:	24-5-2021 – 31-8-2021 Next amendment: 31-5-2021

Region of concern: **Greece, Bulgaria, Cyprus, Turkey, South Caucasus and Albania**

„Within the following four weeks (24 May to 30 June 2021), ECMWF monthly forecast predicts above average temperature for the southern and eastern Balkans, Cyprus, most of Turkey and South Caucasus, with anomaly up to +3°C and up to 90% probability for exceeding upper tercile. Precipitation deficit is forecasted for the southwestern Balkans, western Turkey and South Caucasus, with around 70% probability for exceeding lower tercile."

Monitoring

During the period from 16 to 22 May 2021, precipitation sums were below 25 mm in most of the region, around 50 mm in the Pannonian Plain, central Ukraine, Moldova and northwestern Turkey, while in the northwestern Balkans weekly precipitation totals were up to 100 mm.

Outlook

Within the first week (24 to 30 May 2021), ECMWF monthly forecast predicts above normal mean weekly air temperature for the southern, eastern and some parts of central Balkans, southeastern Ukraine, Cyprus, Turkey and South Caucasus, with anomaly up to +5°C and up to 90% probability for exceeding upper tercile. Below average temperature is expected for the northwestern Balkans, with anomaly up to -2°C, with probability up to 80% for exceeding lower tercile. Precipitation deficit is predicted for southern and some central parts of the Balkans, southeastern Ukraine, western Turkey and South Caucasus, with probability up to 90% for exceeding lower tercile.

During the second week (31 May to 6 June 2021), above average temperature is predicted for the southern Balkans, Cyprus, most of Turkey, South Caucasus and Middle East, with up to +5°C anomaly and up to 90% probability for exceeding upper tercile. Precipitation deficit is forecasted for the southwestern Balkans, south Aegean Sea and Azerbaijan, with up to 70% probability for exceeding lower tercile.

In the period from 24 May to 20 June 2021, above average temperature is predicted for the southern and eastern Balkans, Cyprus, most of Turkey and South Caucasus, with anomaly up to +3°C and up to 90% probability for exceeding upper tercile. Precipitation deficit is forecasted for the southwestern Balkans, western Turkey and South Caucasus, with around 70% probability for exceeding lower tercile.

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

Update

An updated statement will be issued on 31-5-2021

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

ANNEX

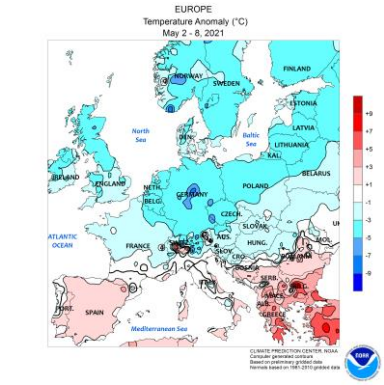
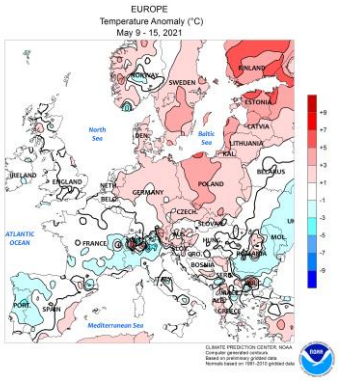
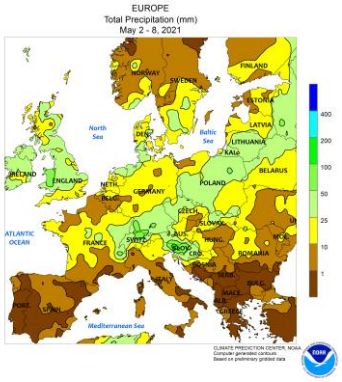
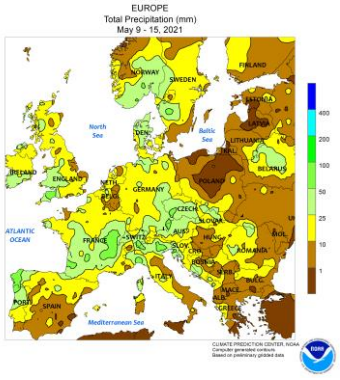
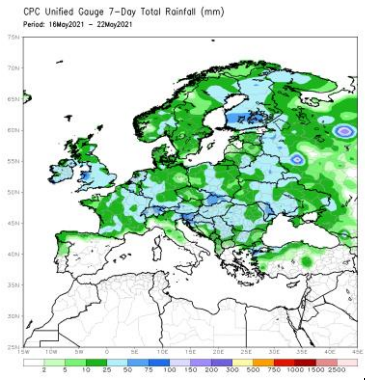
2.5-8.5.2021	9.5-15.5.2021	16.5-22.5.2021
		-
		

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

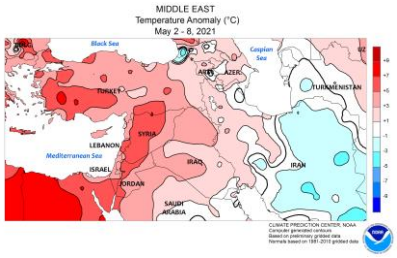
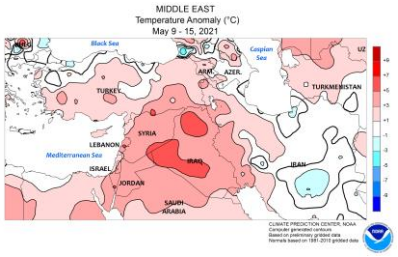
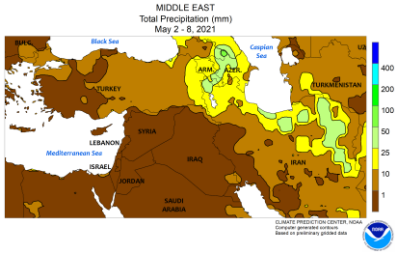
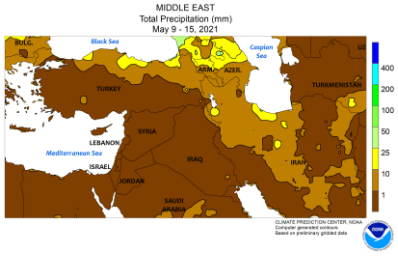
2.5-8.5.2021	9.5-15.5.2021	16.5-22.5.2021
		-
		-

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

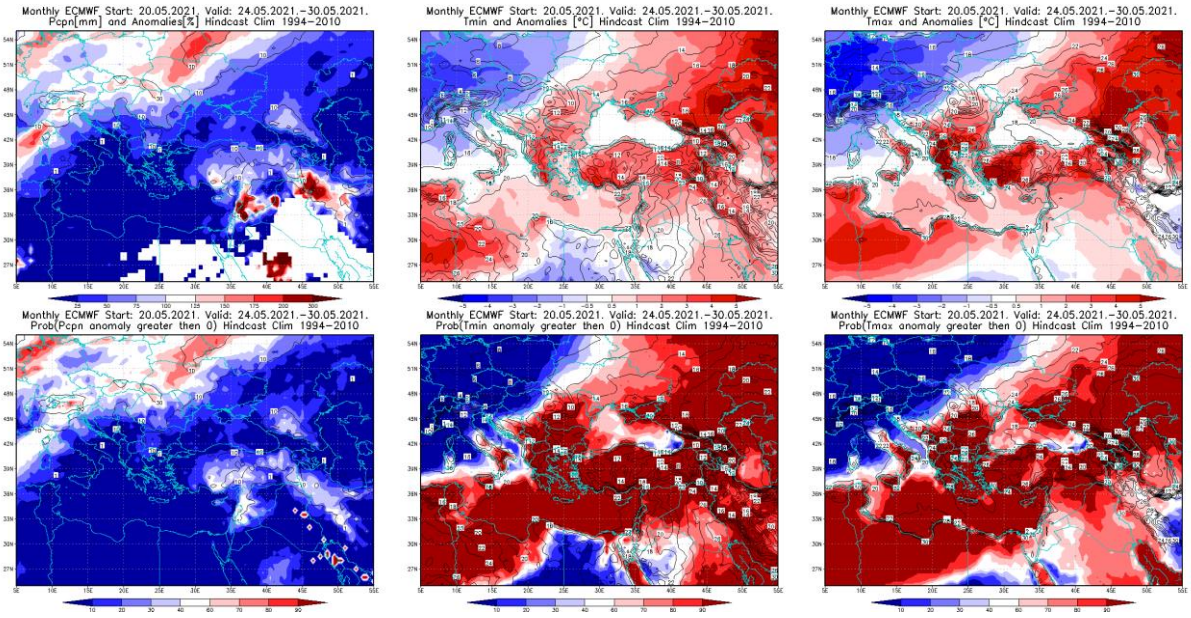


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 24–30.5.2021 period

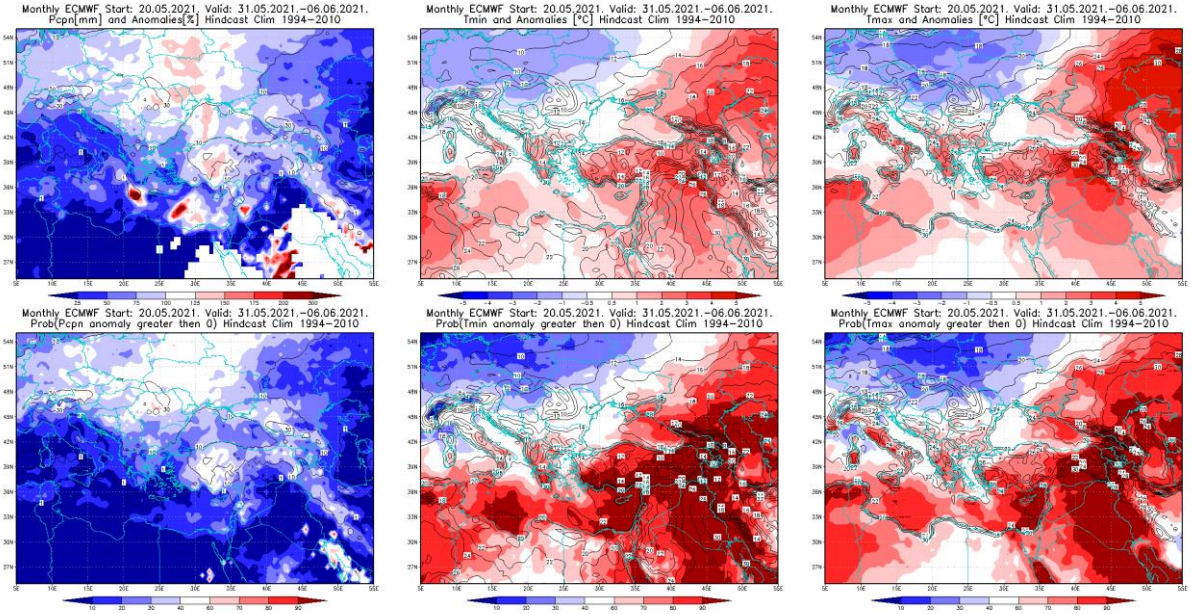


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 31.5–6.6.2021 period

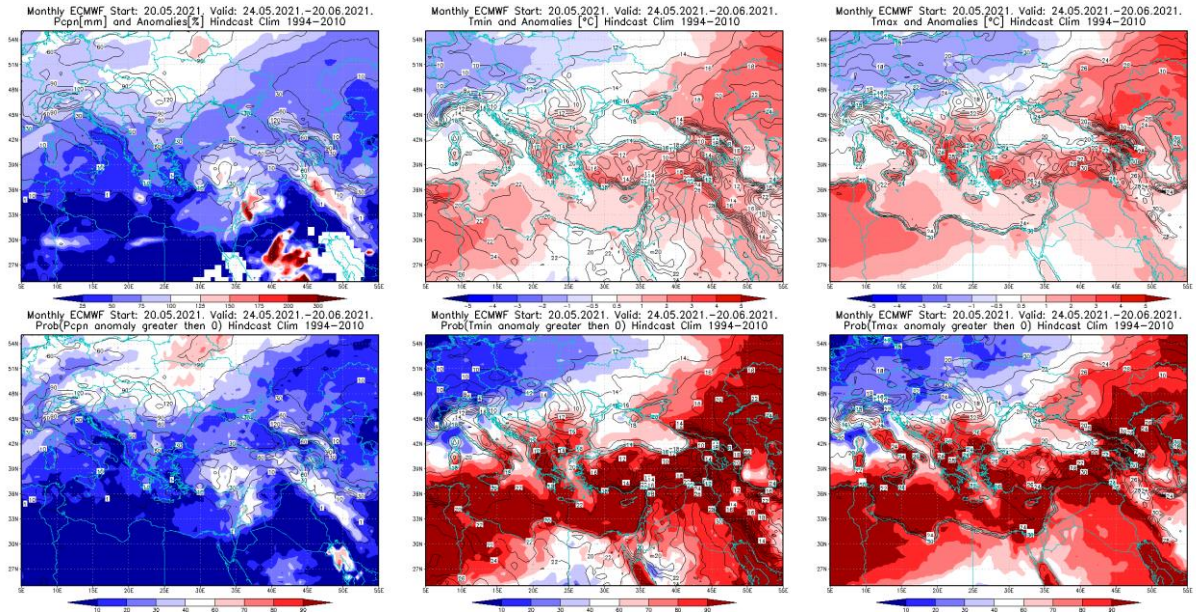


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 24.5–20.6.2021 period

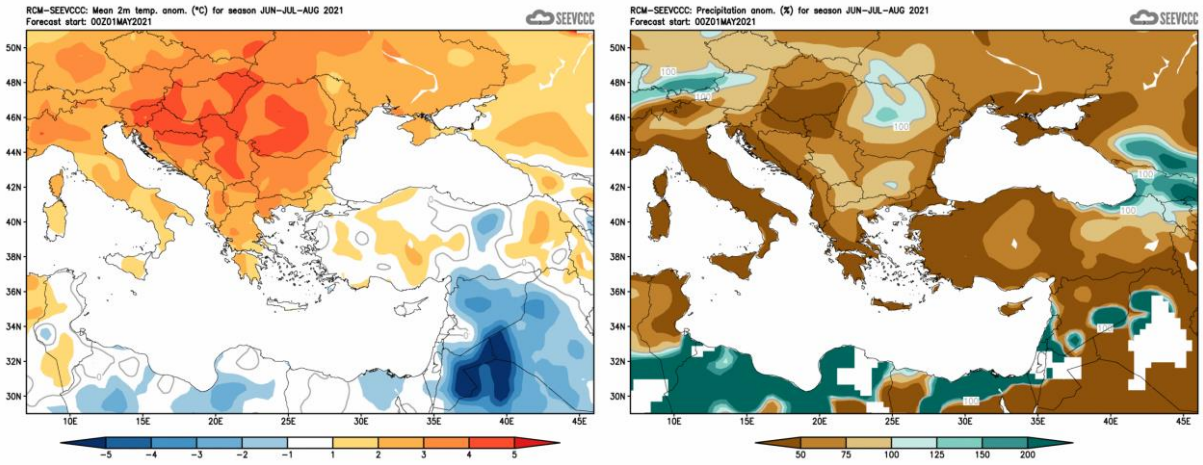


Figure 6. Mean seasonal temperature and precipitation anomaly for the season JJA (seasonal outlook from RCM – SEEVCCC)

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/)