

Climate Watch (Serial No.: 20200330 – 13)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing
the statement: SEEVCCC

Issued/ Amended / 30-3-2020 12:00 P.M.
Cancelled

Contact: E-mail: cws-seevccc@hidmet.gov.rs
Phone: +381112066925
Fax: +381112066929

Valid from – to: 30-3-2020 – 30-6-2020 Next amendment: 6-4-2020

Region of concern: **Balkans, Turkey and South Caucasus**

„In the period from March 30th to April 5th 2020, precipitation surplus is expected in most of the Balkans, Turkey and South Caucasus, with up to 90% probability for exceeding upper tercile.”

Monitoring

During the period from March 22nd to 29th 2020, above normal air temperature was observed in most of Turkey and South Caucasus, with anomaly ranging from +1°C up to +3°C. Below normal air temperature was registered in most of the SEE region, with anomaly up to -6°C. In most of the region precipitation totals were below 25 mm. Precipitation sums reached up to 200 mm in some parts of southern Greece.

Outlook

Within the first week (March 30th to April 5th 2020), ECMWF monthly forecast predicts below normal mean weekly air temperature in most of the Balkans, with anomaly up to -4°C and up to 90% probability for exceeding lower tercile in the northwestern, eastern Balkans, parts of central Balkans and western Ukraine. Above normal mean weekly temperature is predicted for northernmost Turkey and most of the Azerbaijan, with anomaly up to +2°C, and probability around 60% for exceeding upper tercile. Precipitation surplus is expected in most of the Balkans, Turkey and South Caucasus, with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for the eastern Mediterranean and Middle East with low probability.

During the second week (April 6th to 12th 2020), below normal mean weekly air temperature is expected in most of Turkey with anomaly up to -2°C and up to 60% probability for exceeding lower tercile. Above normal mean weekly temperature with anomaly up to +3°C is forecasted for Ukraine, with probability up to 60% for exceeding upper tercile. Precipitation surplus is expected in Azerbaijan, with 60% probability for exceeding upper tercile. Precipitation deficit is expected in rest of the region, with around 70% probability for some locations in the south and east of Balkans.

In the period from March 30th to April 26th 2020, above normal mean monthly air temperature is expected in eastern Ukraine with +3°C anomaly and up to 60% probability for exceeding upper tercile. Monthly rainfall is expected to be average in most of the SEE region.

During the following three months (April, May and June) seasonal forecast predicts above normal seasonal air temperature for most of the Balkans and central and eastern Turkey. Precipitation surplus is predicted for the Carpathian region, eastern Turkey and in South Caucasus. Precipitation deficit is expected in the southern and part of western Balkans, Cyprus, western Turkey and Jordan.

Update

An updated statement will be issued on 6-4-2020

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

ANNEX

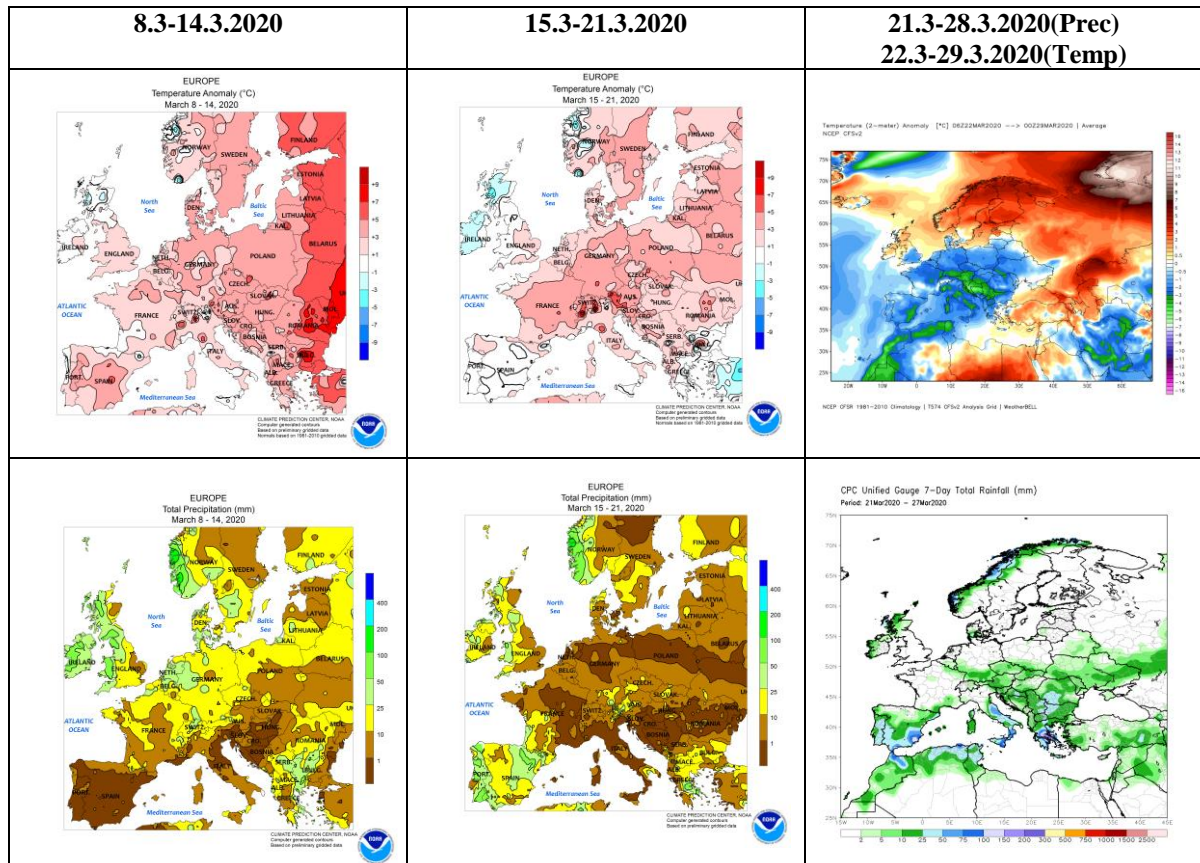


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

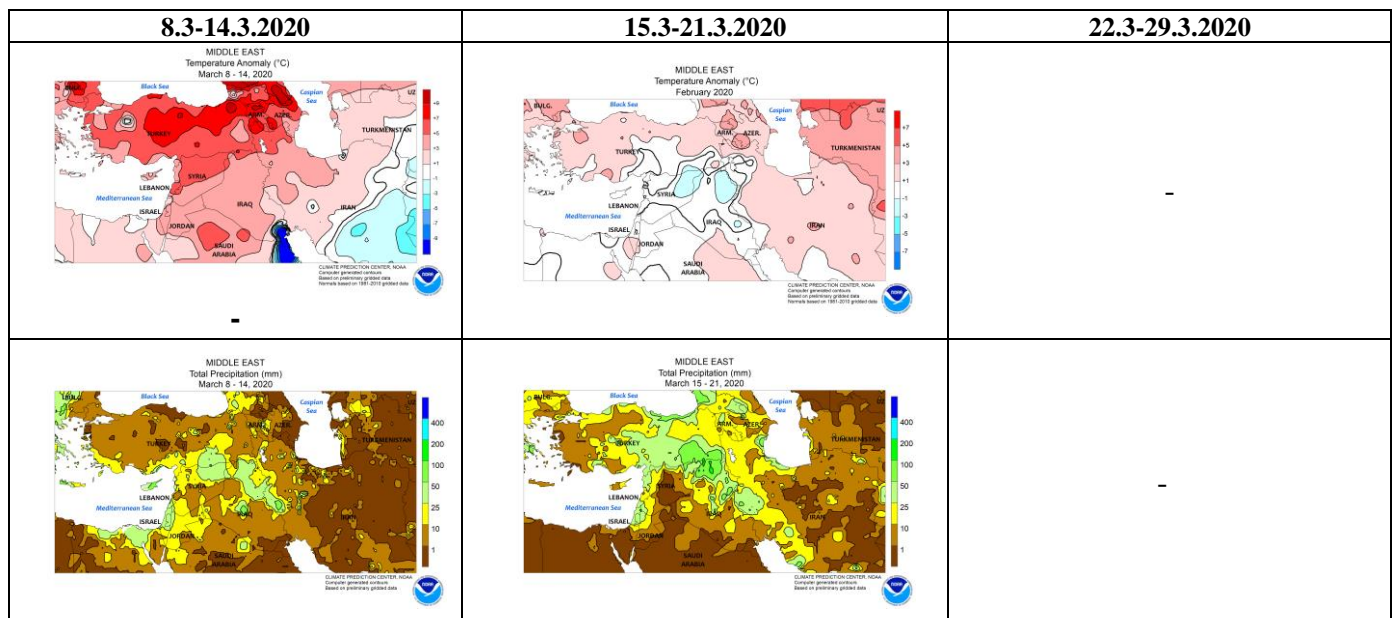


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

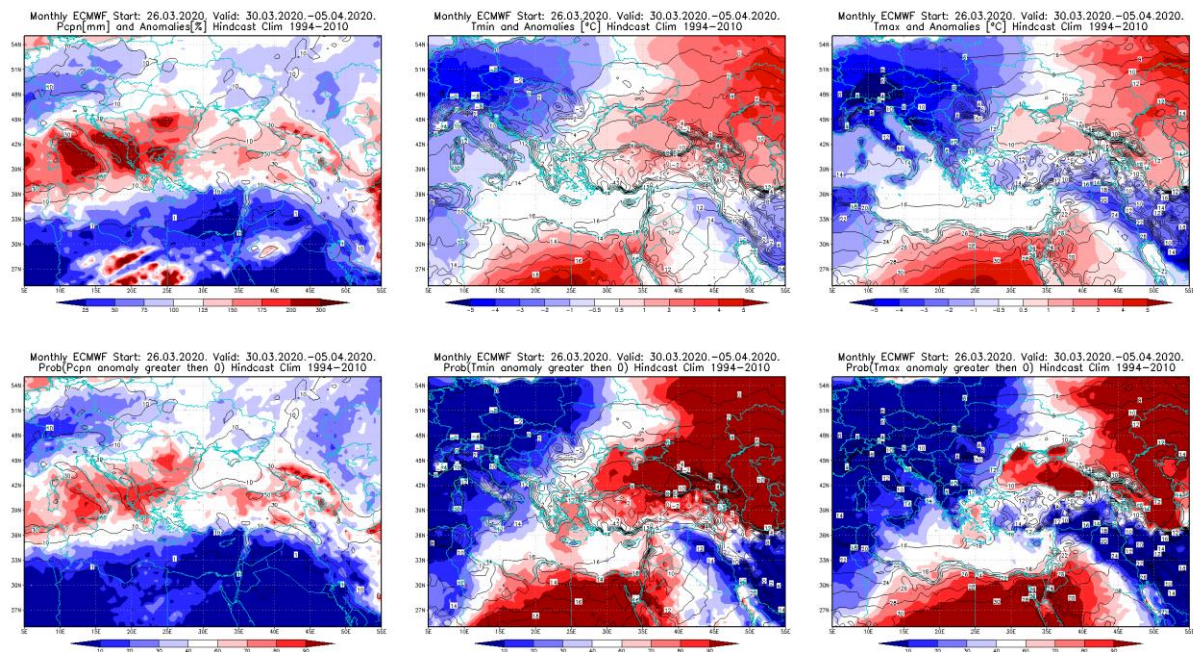


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 30.3 – 5.4.2020 period

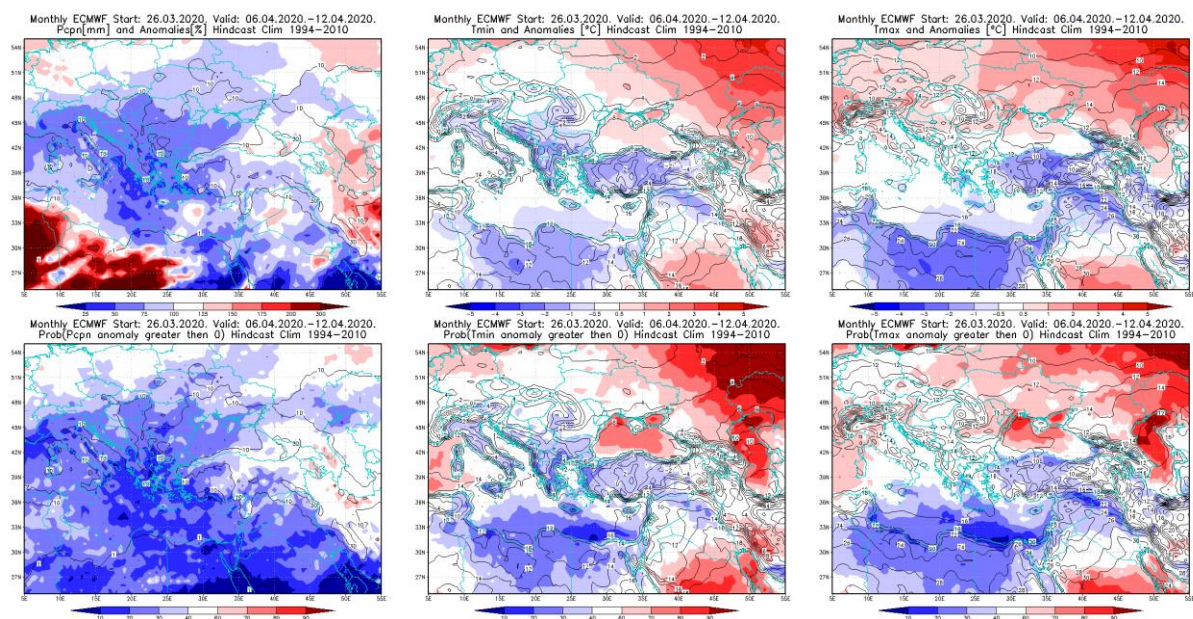


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 6.4– 12.4.2020 period

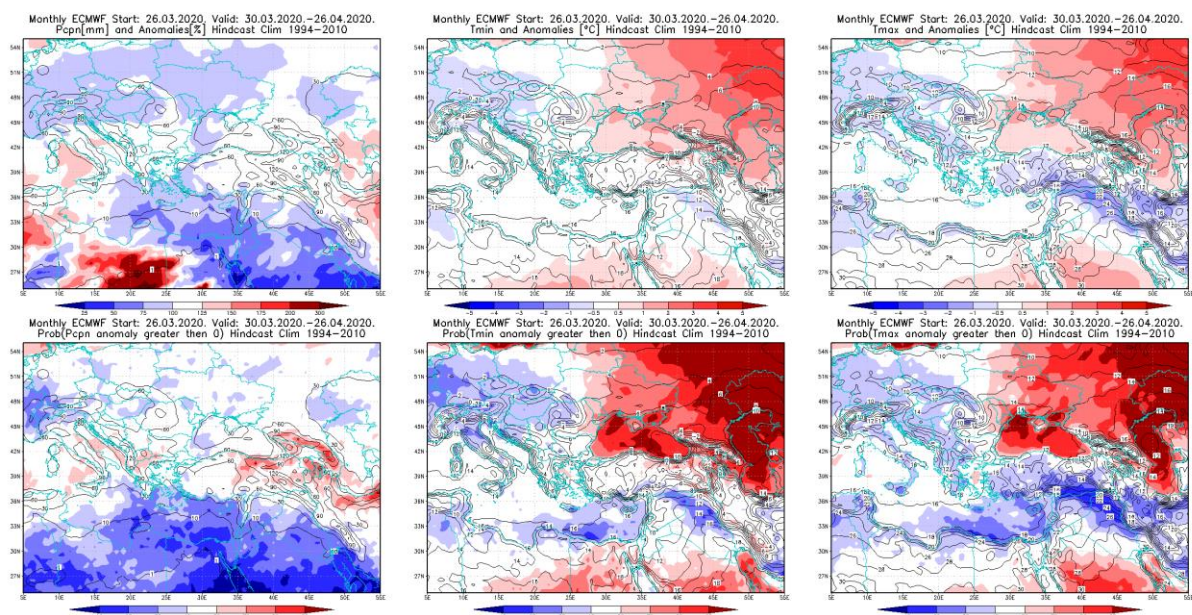


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 30.3 – 26.4.2020 period

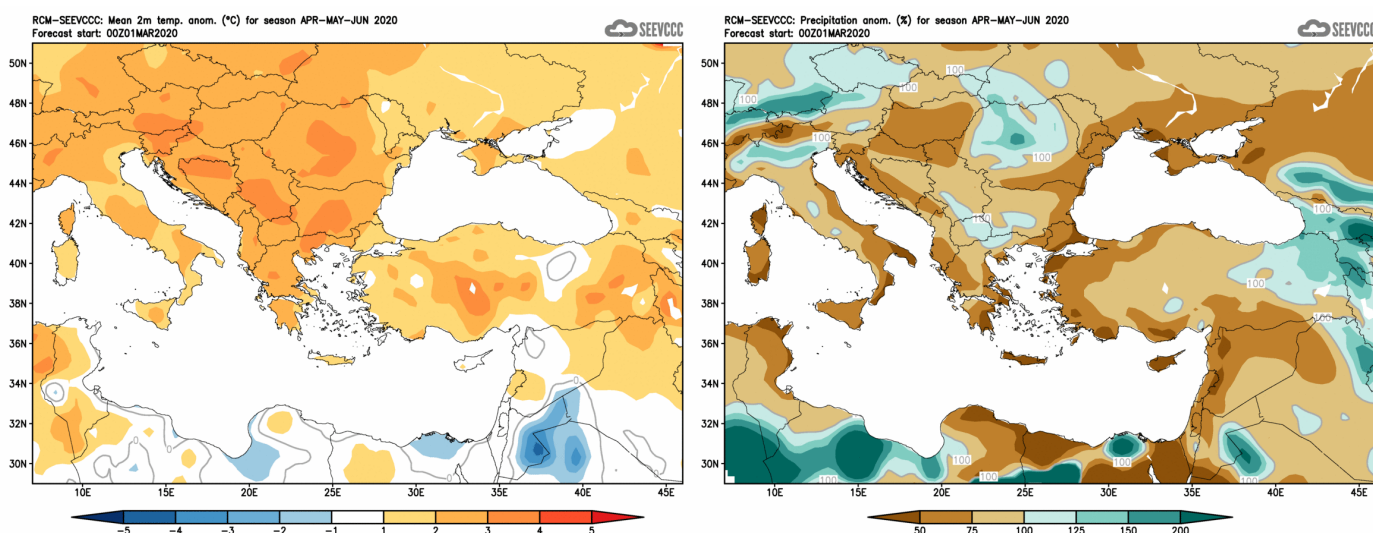


Figure 6. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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/>)