

Climate Watch (Serial No.: 20200316 – 11)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 9-3-2020 12:00 P.M.

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

Valid from – to: 16-3-2020 – 30-6-2020 Next amendment: 23-3-2020

Region of concern: **SEE region**

„During the second week (March 23rd to 29th 2020), below normal mean weekly air temperature is expected in most of the region with anomaly up to -5°C and around 80% probability for exceeding lower tercile. Precipitation surplus is expected in southern Turkey, Aegean Sea and Mediterranean, with up to 70% for exceeding upper tercile.”

Monitoring

During the period from March 8th to 14th 2020, above normal air temperature was observed in the entire region, with anomaly in a range from +3°C in most of the Balkans, up to +10°C in northeastern Ukraine, northern Turkey and South Caucasus. In most of the region precipitation totals were below 25 mm. Precipitation sums were up to 100 mm in the southeastern Balkans, Israel and Jordan.

Outlook

Within the first week (March 16th to 22nd 2020), ECMWF monthly forecast predicts below normal mean weekly air temperature in Turkey and South Caucasus, with anomaly up to -4°C and 80% probability for exceeding lower tercile. In most of the Balkans average temperature is expected. Precipitation deficit is expected in most of the Balkans with 60% probability for exceeding lower tercile. Precipitation surplus is expected in southern and eastern Turkey and eastern Mediterranean, with up to 70% probability for exceeding upper tercile.

During the second week (March 23rd to 29th 2020), below normal mean weekly air temperature is expected in most of the region with anomaly up to -5°C and around 80% probability for exceeding lower tercile. Precipitation surplus is expected in southern Turkey, Aegean Sea and Mediterranean, with up to 70% for exceeding upper tercile.

In the period from March 16th to April 12th 2020, below normal mean monthly air temperature is expected in the southern and eastern Balkans, Turkey and South Caucasus with anomaly up to -4°C and 80% probability for exceeding lower tercile. Precipitation surplus is expected in southern Turkey and Aegean Sea with 70% probability for exceeding upper tercile. Average precipitation is expected in most of the Balkans.

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 23-3-2020

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

ANNEX

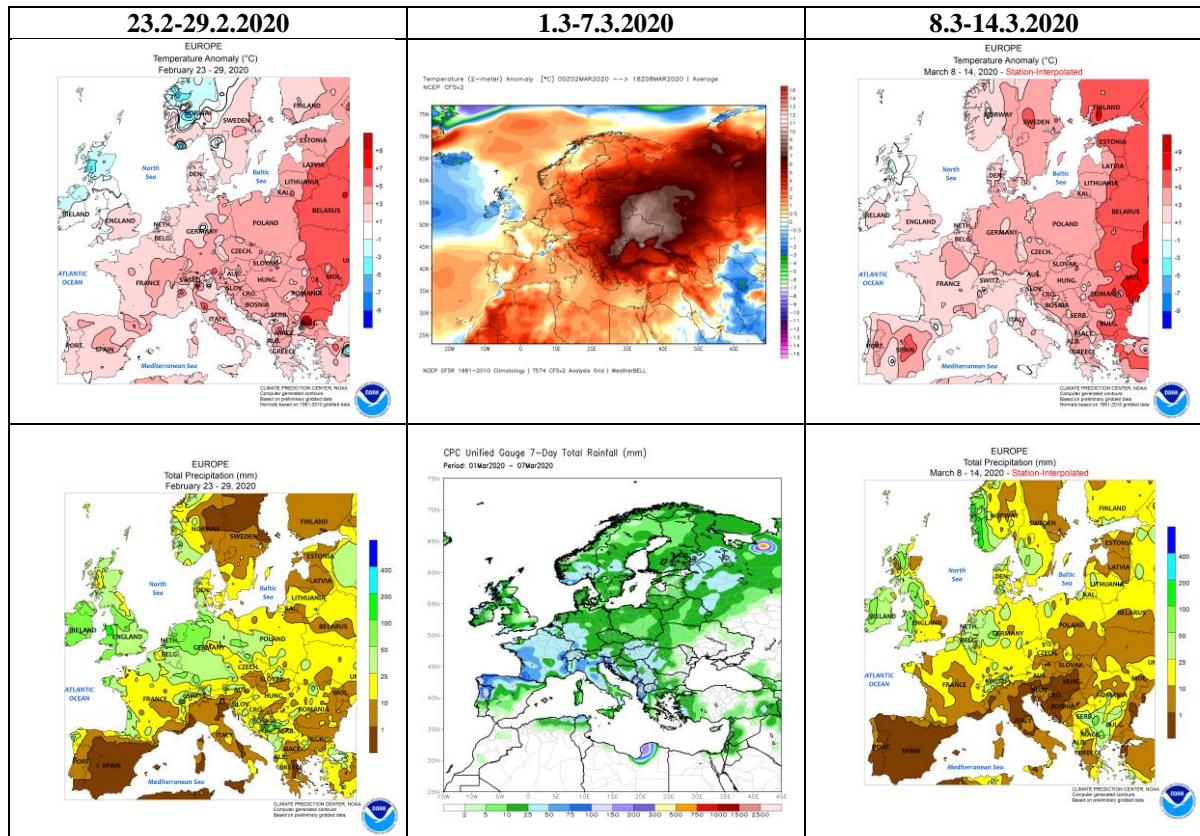


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

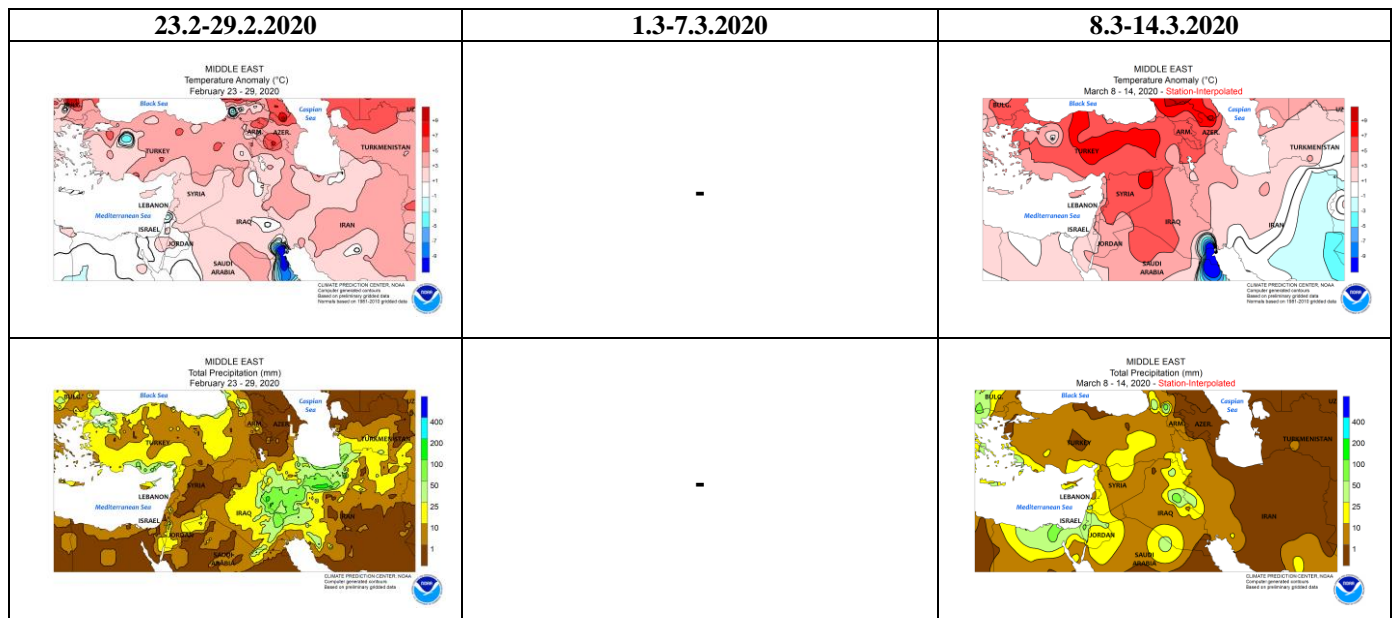


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

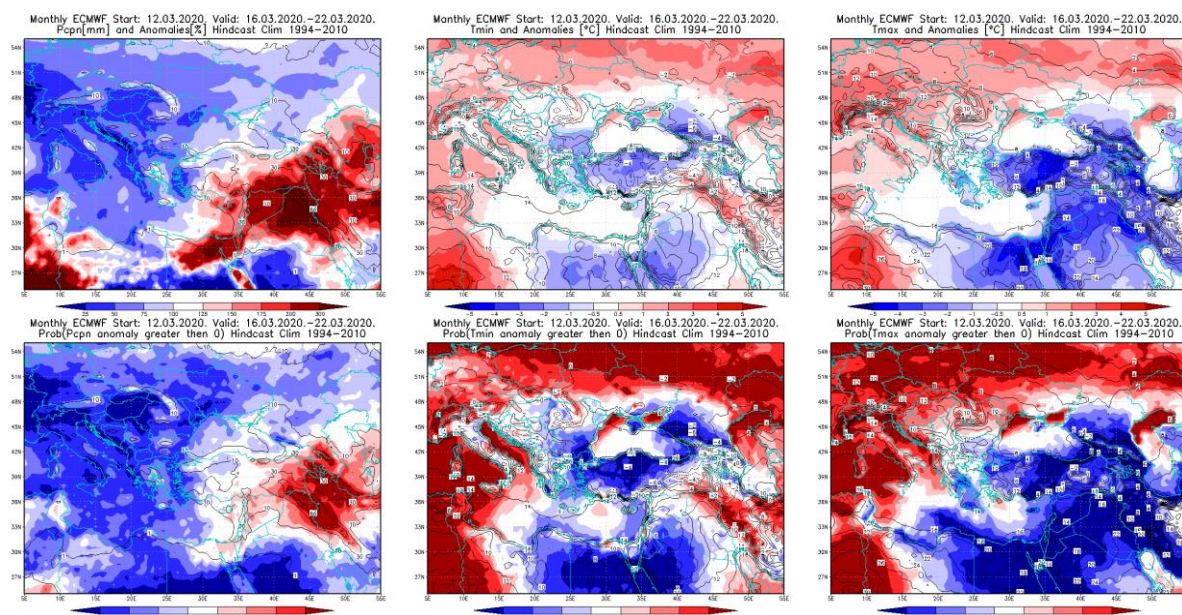


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 16.3 – 22.3.2020 period

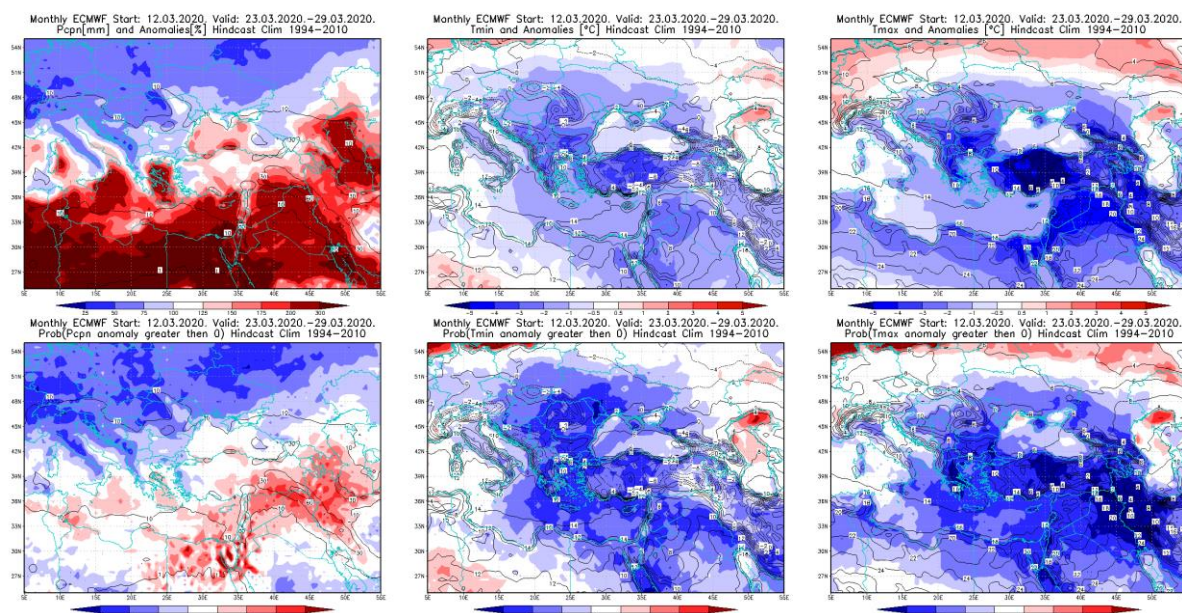


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 23.3 – 29.3.2020 period

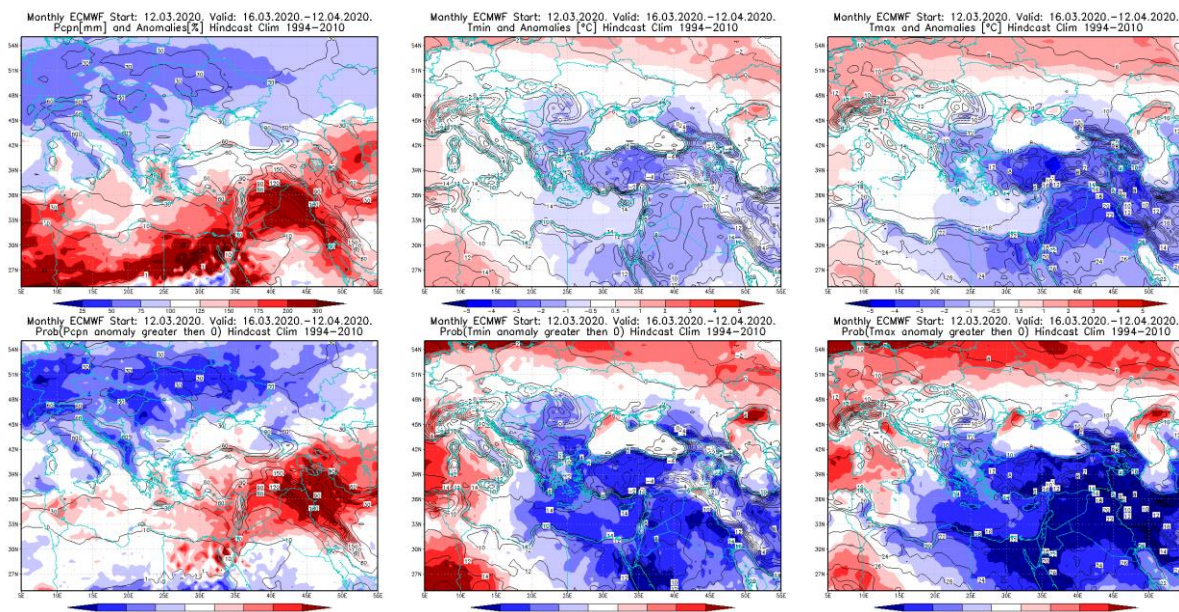


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 16.3 – 12.4.2020 period

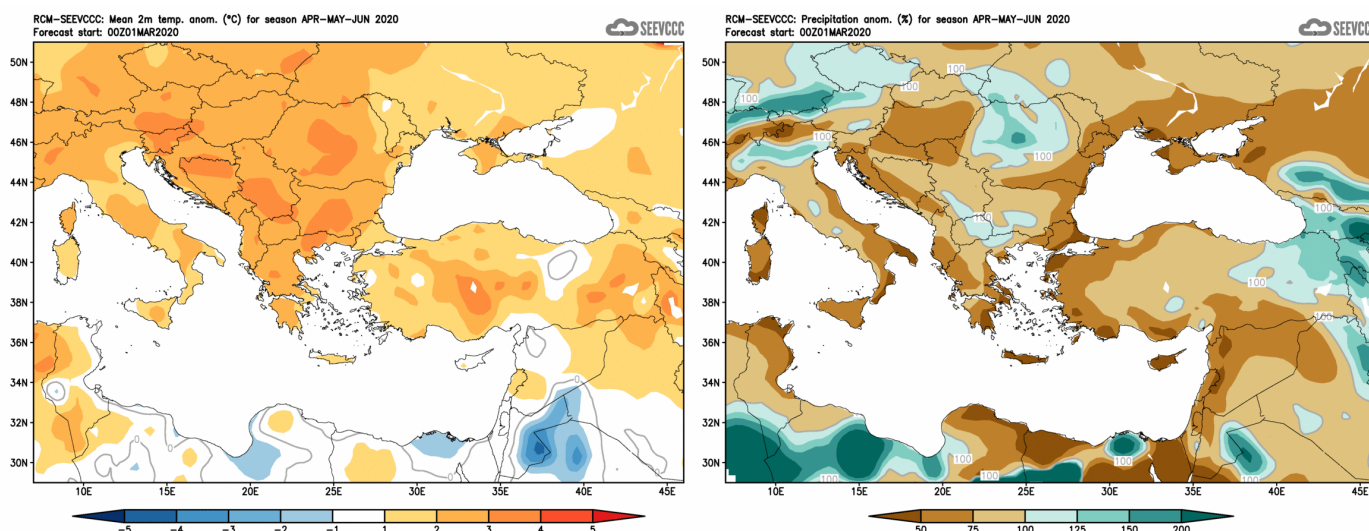


Figure 6. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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/>)