Climate Watch (Serial No.: 20200323 – 12)

Initial/Updated/Final

Topic**: precipitation**
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 23-3-2020 12:00 P.M.

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

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

Region of concern: **Greece, Cyprus, Turkey, Israel, Lebanon and Jordan**

„During the following four weeks (March 23rd to April 19th 2020), precipitation surplus is expected in the Aegean Sea, Cyprus, southern Turkey and Middle East, with up to 90% probability for exceeding upper tercile."

Monitoring

During the period from March 15th to 21st 2020, above normal air temperature was observed in Ukraine, Moldova and most of the Balkans, with +3°C anomaly. Below normal air temperature was registered in Cyprus, Turkey, South Caucasus and Middle East, with up to -5°C anomaly. In most of the region precipitation totals were below 25 mm. Precipitation sums were up to 150 mm in Greece, eastern Turkey, western Georgia and Israel.

Outlook

Within the first week (March 23rd to 29th 2020), ECMWF monthly forecast predicts below normal mean weekly air temperature in most of the Balkans, with anomaly up to -5°C and up to 90% probability for exceeding lower tercile in the northwestern and eastern Balkans. Precipitation surplus is expected in the southern and eastern Balkans, Cyprus, southern Turkey and Middle East, with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted in eastern Ukraine with 80% probability for exceeding lower tercile.

During the second week (March 30th to April 5th 2020), below normal mean weekly air temperature is expected in the Middle East with -2°C anomaly and around 70% probability for exceeding lower tercile. Precipitation surplus is expected in southern Turkey and Middle East, with 80% probability for exceeding upper tercile.

In the period from March 23rd to April 19th 2020, below normal mean monthly air temperature is expected in the Middle East with -2°C anomaly and up to 60% probability for exceeding lower tercile. Precipitation surplus is expected in the Aegean Sea, Cyprus, southern Turkey and Middle East, with up to 90% probability for exceeding upper tercile.

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 30-3-2020

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

ANNEX

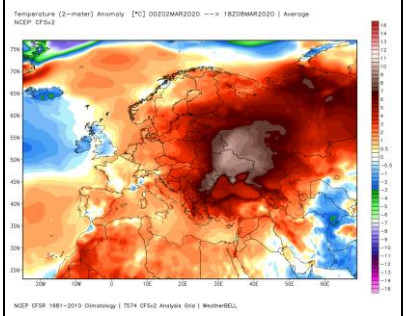
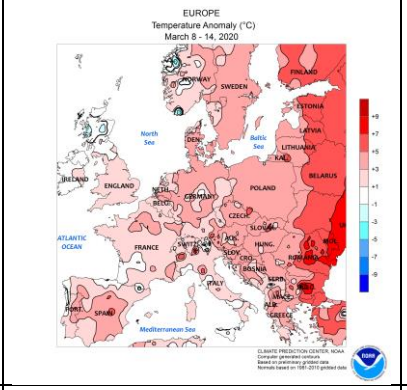
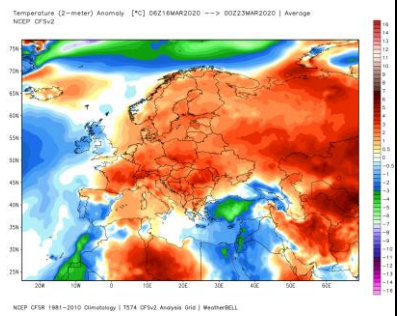
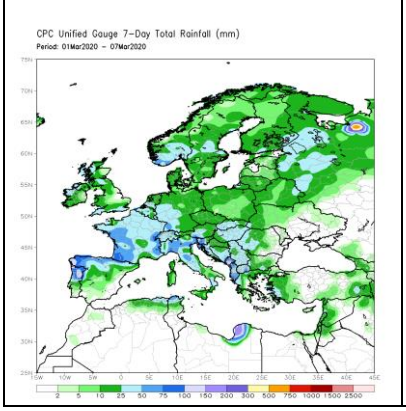
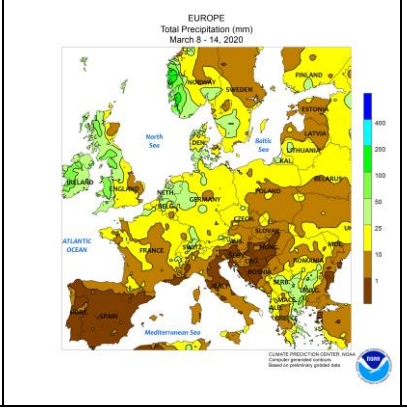
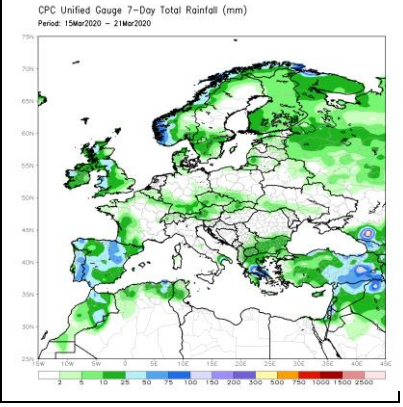
1.3-7.3.2020	8.3-14.3.2020	15.3-21.3.2020(Prec) 16.3-22.3.2020(Temp)
		
		

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

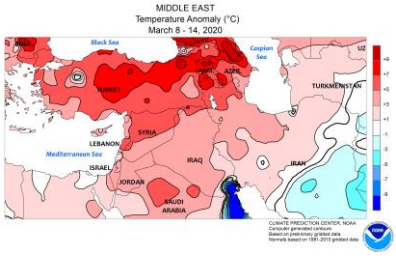
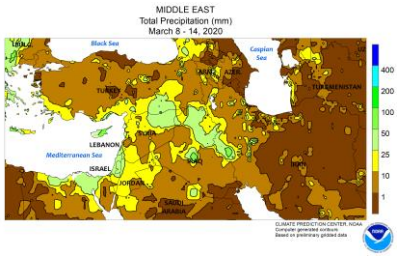
1.3-7.3.2020	8.3-14.3.2020	15.3-21.3.2020
-		-
-		-

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

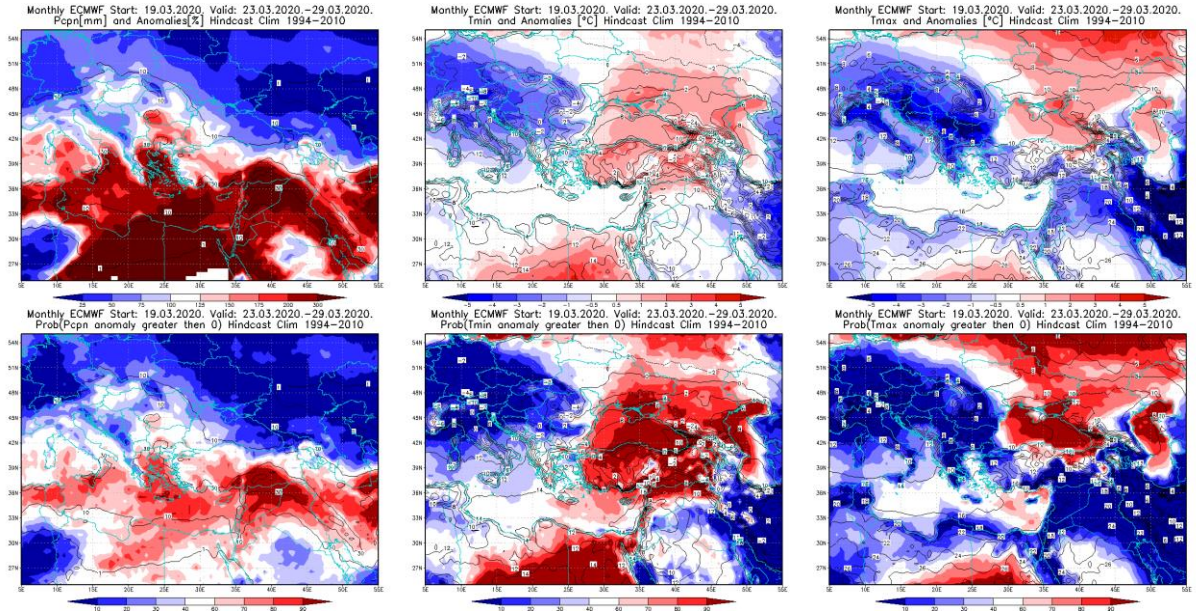


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 23.3 – 29.3.2020 period

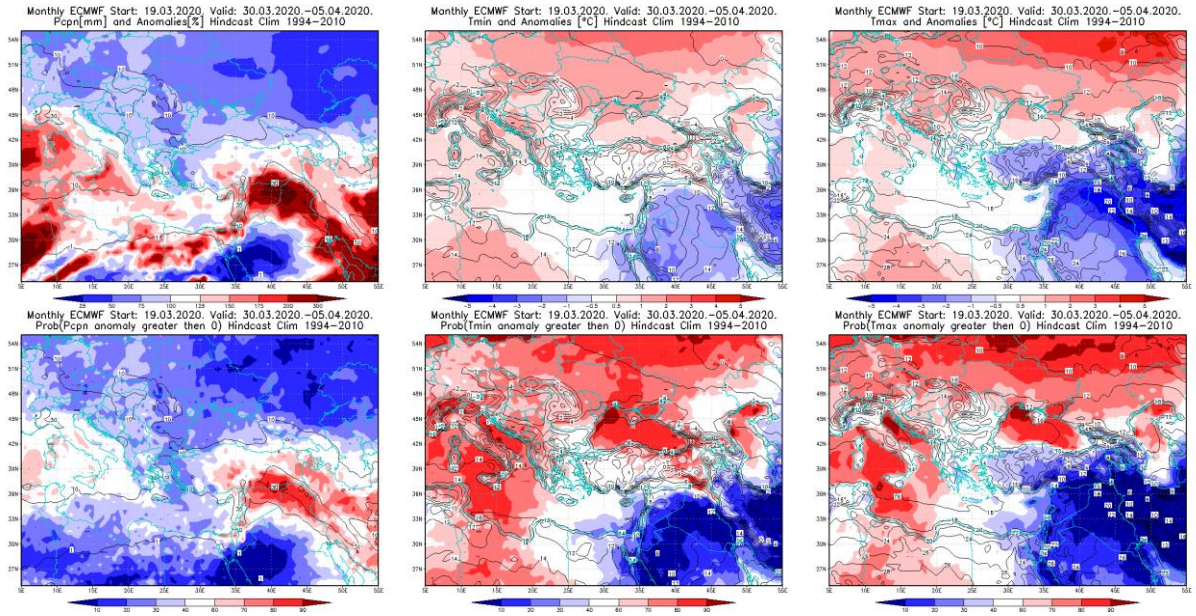


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 30.3 – 5.4.2020 period

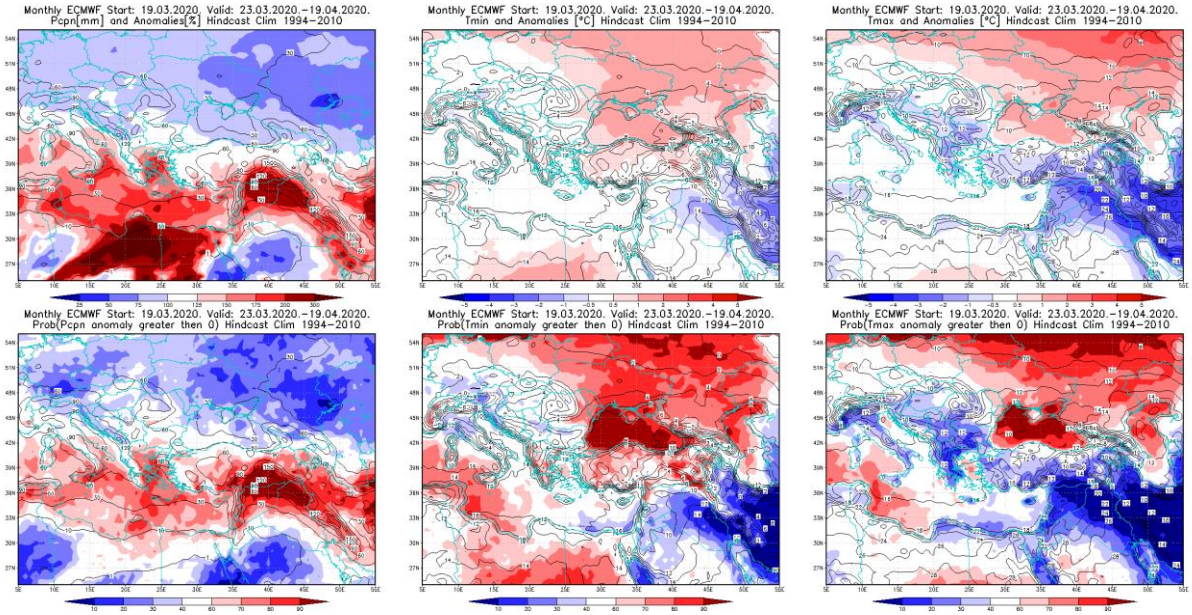


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 23.3 – 19.4.2020 period

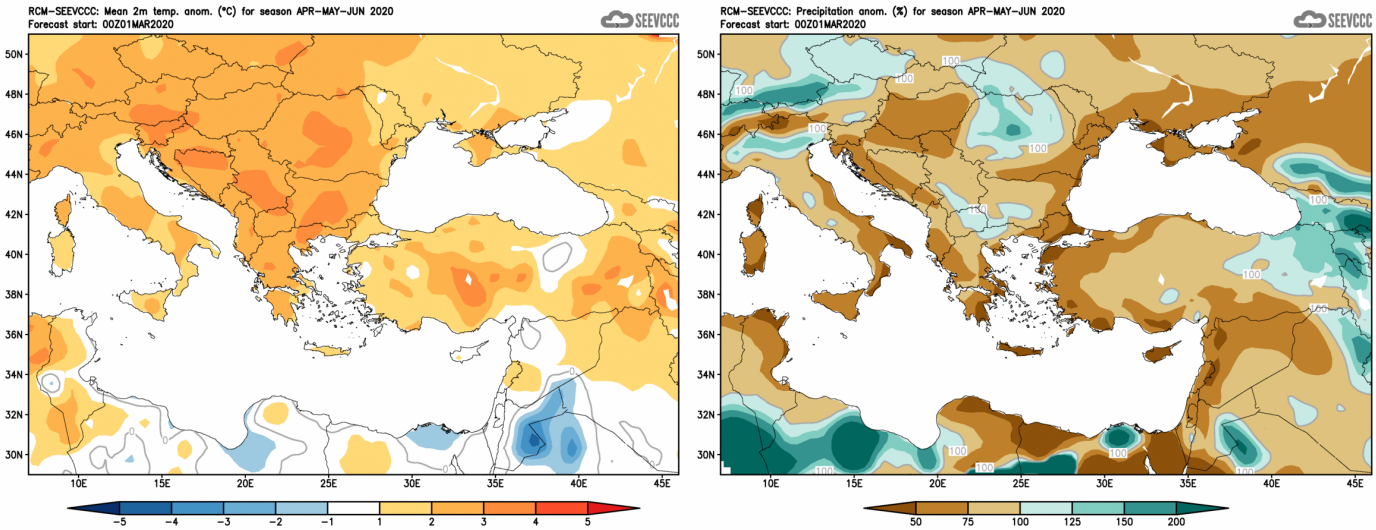


Figure 6. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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/)