Climate Watch (Serial No.: 20200203 – 05)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 3-2-2020 12:00 P.M.

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Valid from – to: 3-2-2020 – 30-4-2020 Next amendment: 10-2-2020

Region of concern: **Turkey, Georgia, Armenia, Romania, Ukraine, the Balkans**

„In the period from February 3rd to 9th 2020, precipitation surplus is expected in the central Balkans, Carpathian region, most of Turkey, Georgia, Armenia and southern Ukraine. Probability for exceeding upper tercile is around 80%."

Monitoring

During the period from January 26th to February 1st 2020, above normal air temperature was observed in most of the region, with anomaly up to +7°C. Below normal air temperature, with anomaly up to -1°C, was registered in southeastern Turkey and parts of the Middle East. Precipitation totals reached 75 mm in Montenegro, parts of Turkey and Georgia. In rest of the region precipitation sums were below 25 mm.

Outlook

Within the first week (February 3rd to 9th 2020), ECMWF monthly forecast predicts above normal mean weekly air temperature in most of the region, with anomaly up to +5°C in eastern Ukraine and South Caucasus. Probability for exceeding upper tercile is up to 90% in eastern Turkey, South Caucasus and Middle East. Precipitation surplus is expected in the central Balkans, Carpathian region, most of Turkey, Georgia, Armenia and southern Ukraine. Probability for exceeding upper tercile is around 80%. Precipitation deficit is expected in southwestern Balkans and Middle East. Probability for exceeding lower tercile is up to 70%.

During the second week (February 10th to 16th 2020), above normal mean weekly air temperature is expected in most of the region, with anomaly in a range from +1°C in southern Balkans up to +5°C in Ukraine. Probability for exceeding upper tercile is up to 90% in Ukraine. Precipitation surplus is expected in parts of western and eastern Ukraine, Georgia, most of Armenia and northeastern Turkey, with up to 70% probability for exceeding upper tercile. Precipitation deficit is predicted for most of the region, with up to 70% probability for exceeding lower tercile.

In the period from February 3rd to March 1st 2020, above normal mean monthly air temperature is expected in most of the region, with anomaly gradient from +1°C in the south up to +5°C in the north. Probability for exceeding upper tercile is from 60% in the south around up to 90% in the north. Precipitation deficit is predicted for the southwestern Balkans and western Turkey, with probability for exceeding lower tercile around 70%. Precipitation surplus is expected in northeastern Turkey and Georgia, with up to 90% probability for exceeding upper tercile.

During the following three months (February, March and April) seasonal forecast predicts above normal seasonal air temperature for most of the Balkans. In most of Turkey average temperature is predicted. Precipitation surplus is predicted for the Carpathian region, northern and northeastern Turkey and in south Caucasus. Precipitation deficit is expected in the southern and part of western Balkans, Cyprus, western and part of southern Turkey, Jordan and most of Israel.

Update

An updated statement will be issued on 10-2-2020

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

ANNEX

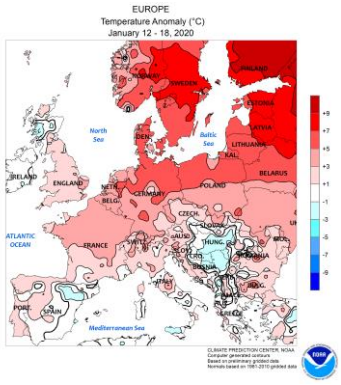
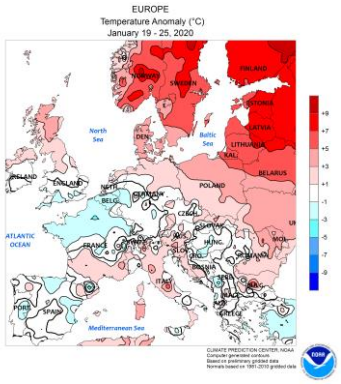
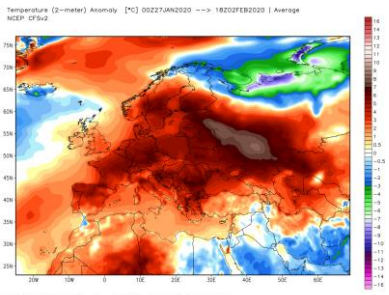
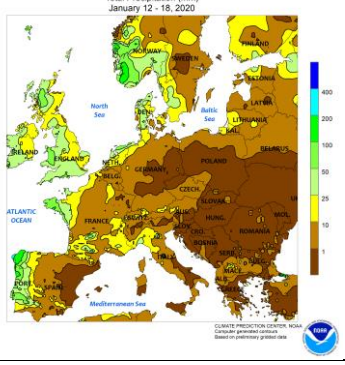
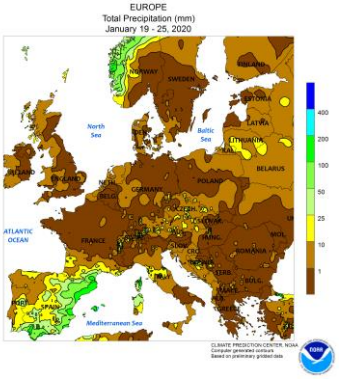
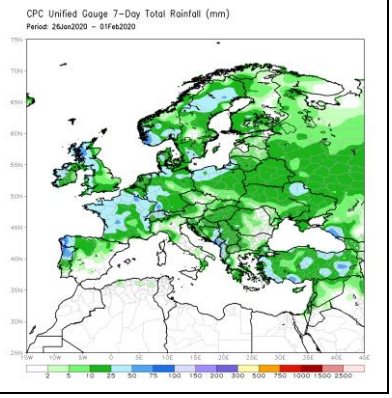
12.1-18.1.2020	19.1-25.1.2020	26.1-1.2.2020
		
		

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

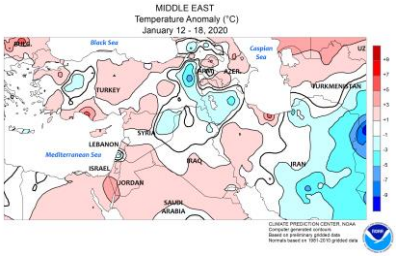
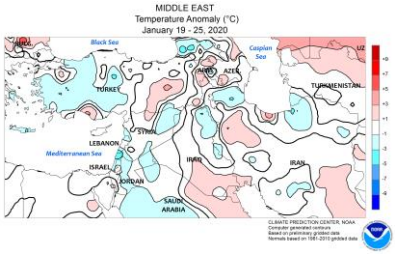
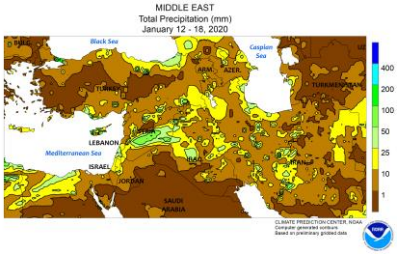
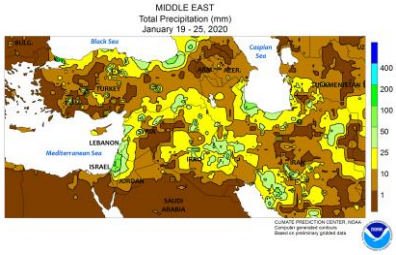
12.1-18.1.2020	19.1-25.1.2020	26.1-1.2.2020
		-
		-

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

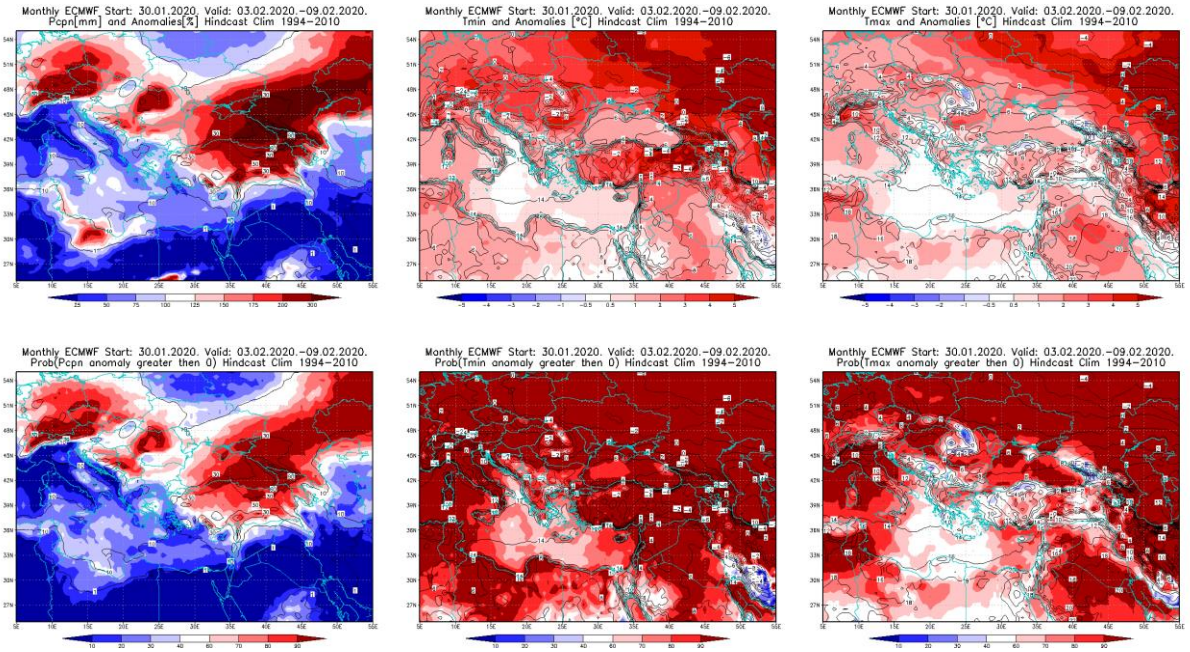


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 3.2 – 9.2.2020 period

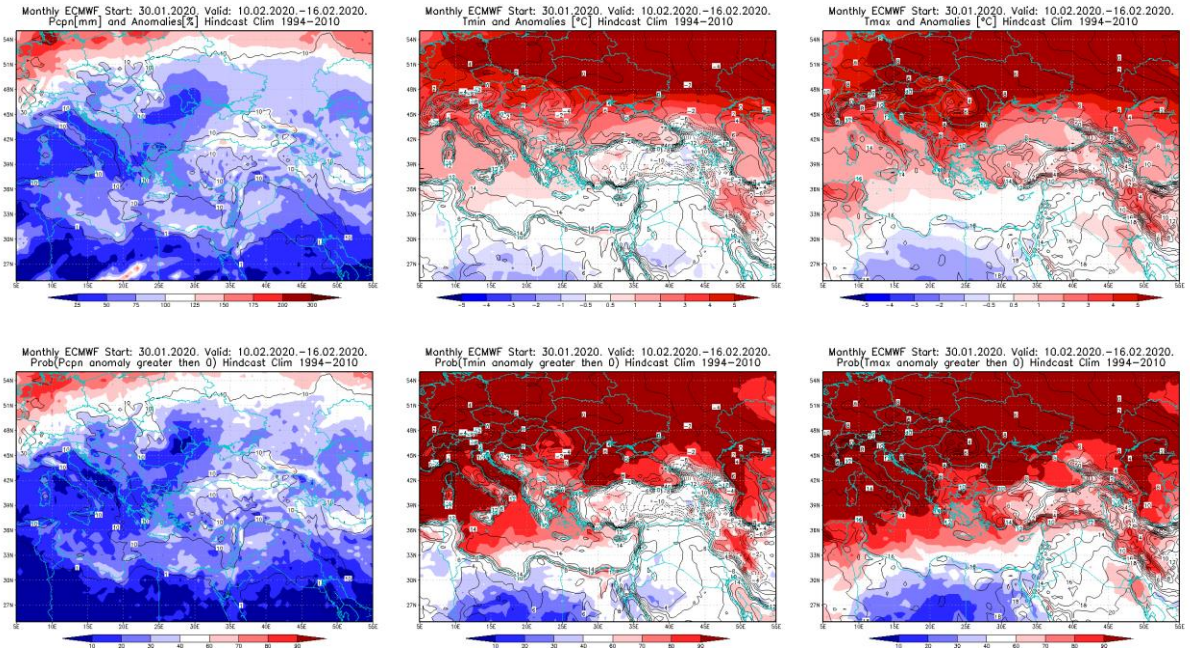


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 10.2 – 16.2.2020 period

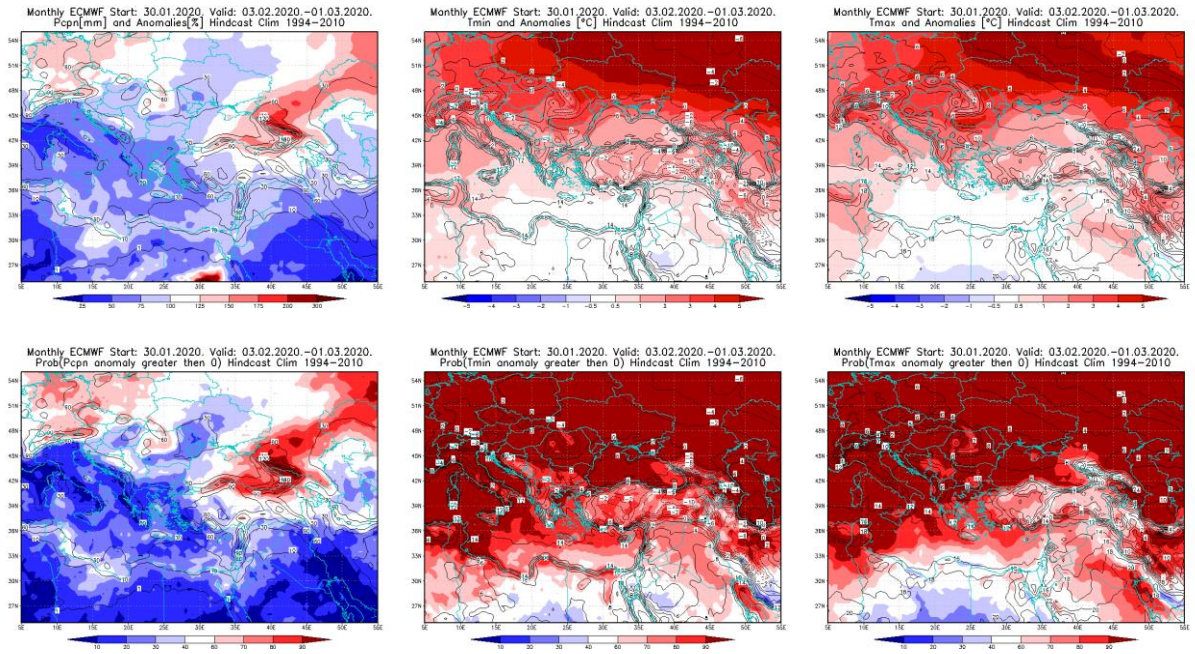


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 3.2 – 1.3.2020 period

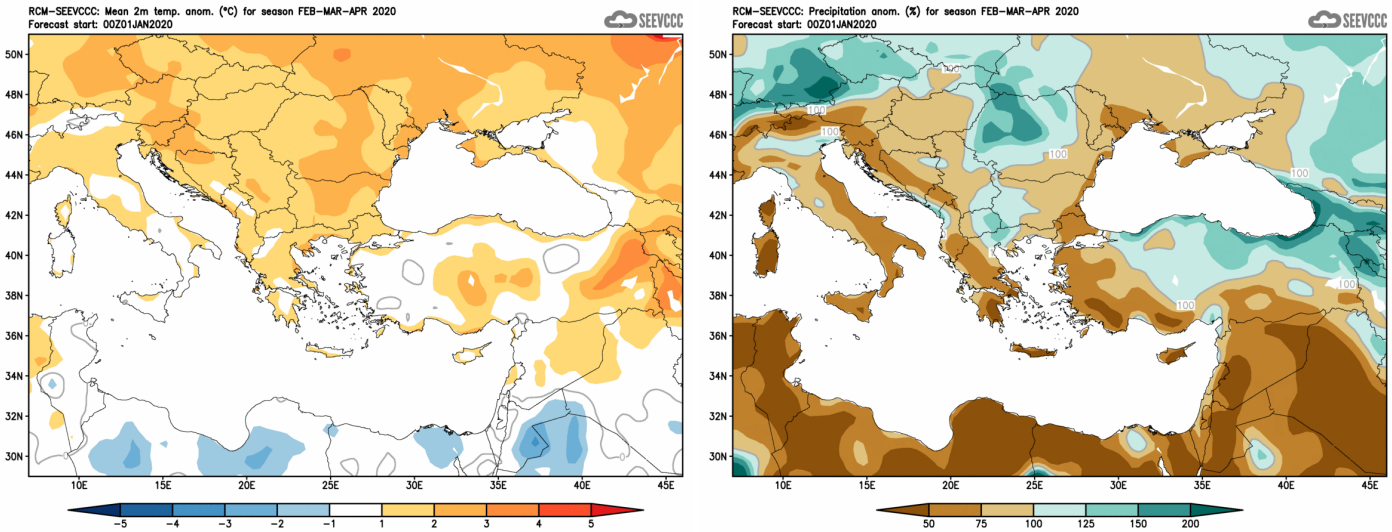


Figure 6. Mean seasonal temperature and precipitation anomaly for the season FMA (seasonal outlook from RCM – SEEVCCC)

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/)