Climate Watch (Serial No.: 20200106 – 01)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 6-1-2020 12:00 P.M.

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Valid from – to: 6-1-2020 – 31-3-2020 Next amendment: 13-1-2020

Region of concern: **Turkey, Aegean Sea and easternmost of the Balkans**

„In the period from January 6th to 12th 2020, below normal mean weekly air temperature is expected in southern and southwestern part of the Balkans, with anomaly up to -3 °C. Probability for exceeding lower tercile is up to 80%. Precipitation surplus is predicted for most of Turkey, Aegean Sea and easternmost of the Balkans, with up to 90% probability for exceeding upper tercile."

Monitoring

Not available.

Outlook

Within the first week (January 6th to 12th 2020), ECMWF monthly forecast predicts above normal mean weekly air temperature in central and eastern Turkey, with anomaly up to +3 °C. Below normal mean weekly air temperature is expected in southern and southwestern part of the Balkans, with anomaly up to -3 °C. Probability for exceeding upper/lower tercile is up to 80%. Precipitation surplus is predicted for most of Turkey, Aegean Sea and easternmost of the Balkans, with up to 90% probability for exceeding upper tercile.

During the second week (January 13th to 19th 2020), below normal mean weekly air temperature is expected in most of the Balkans and western Turkey, with anomaly up to -3 °C. Probability for exceeding lower tercile is around 60%. Precipitation deficit is expected in most of the Balkans and western Turkey, with up to 80% probability for exceeding lower tercile. Precipitation surplus is expected for South Caucasus with around 70% probability for upper tercile.

In the period from January 6th to February 2nd 2020, below normal mean monthly air temperature is expected in southern and soutwestern part of the Balkans, with anomaly up to -2 °C. Probability for exceeding lower tercile is up to 80%. Precipitation surplus is predicted for southern Turkey and Aegean Sea. Probability for exceeding upper tercile is around 80%. Precipitation deficit is expected for most of the Balkans, with probability around 80% for exceeding lower tercile.

During the following three months (January, February and March) seasonal forecast predicts above normal seasonal air temperature for most of the SEE region. Below normal seasonal air temperature is expected in most of Jordan, while in western, southern and northeastern Turkey, Israel and southern Greece average temperature is predicted. Precipitation surplus is predicted for the Carpathian region, northern and northeastern Turkey, south Caucasus and along Adriatic coast. 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 13-1-2020

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

ANNEX

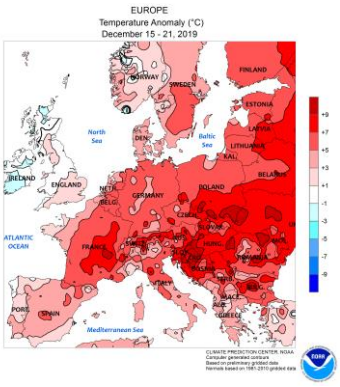
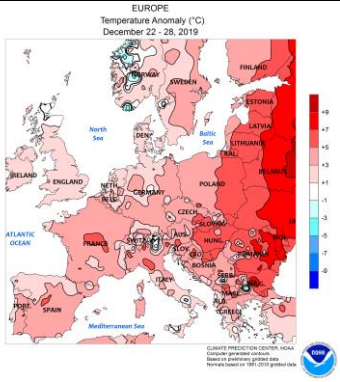
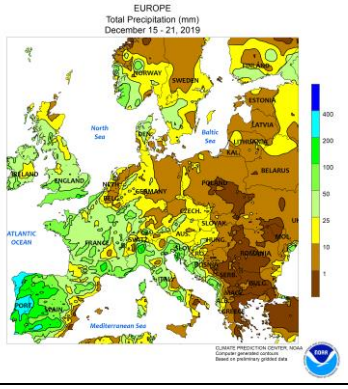
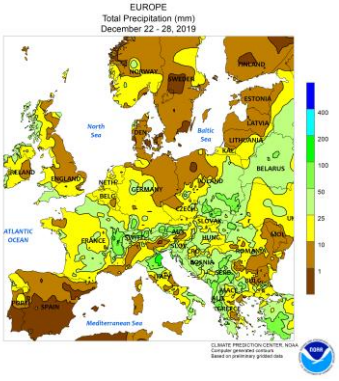
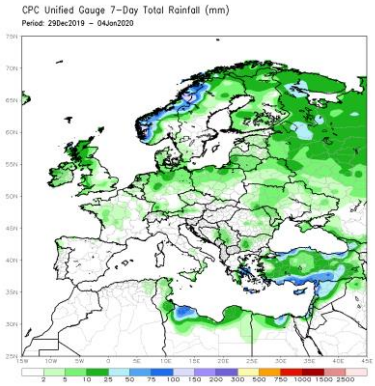
15.12-21.12.2019	22.12-28.12.2019	29.12.2019-4.1.2020
		-
		

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

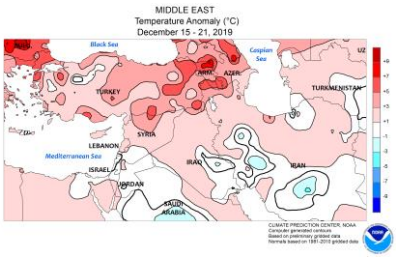
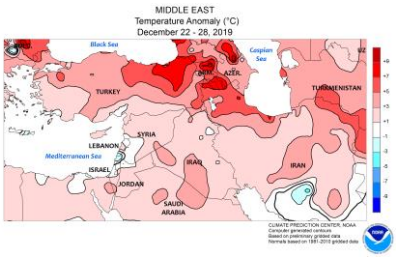
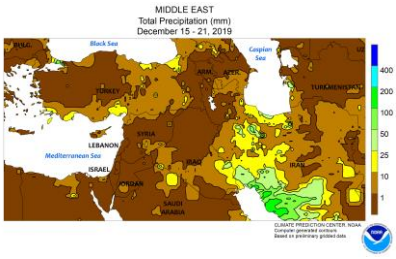
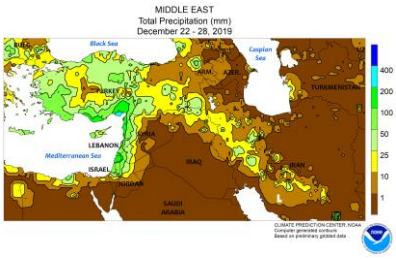
15.12-21.12.2019	22.12-28.12.2019	29.12.2019-4.1.2020
		-
		-

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

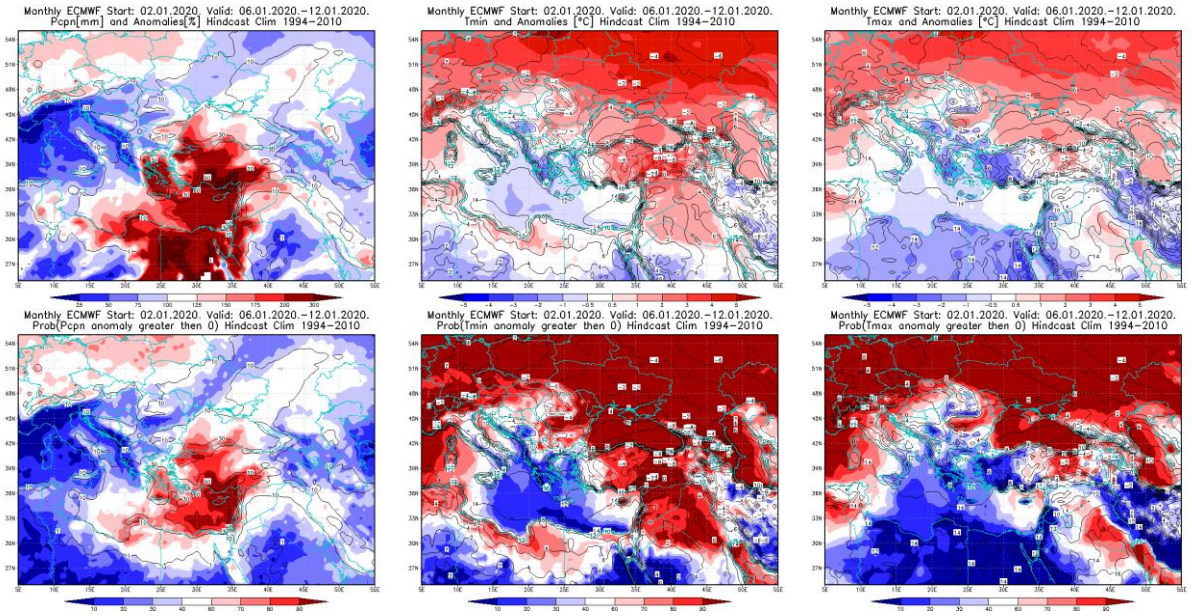


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 6.1 – 12.1.2020 period

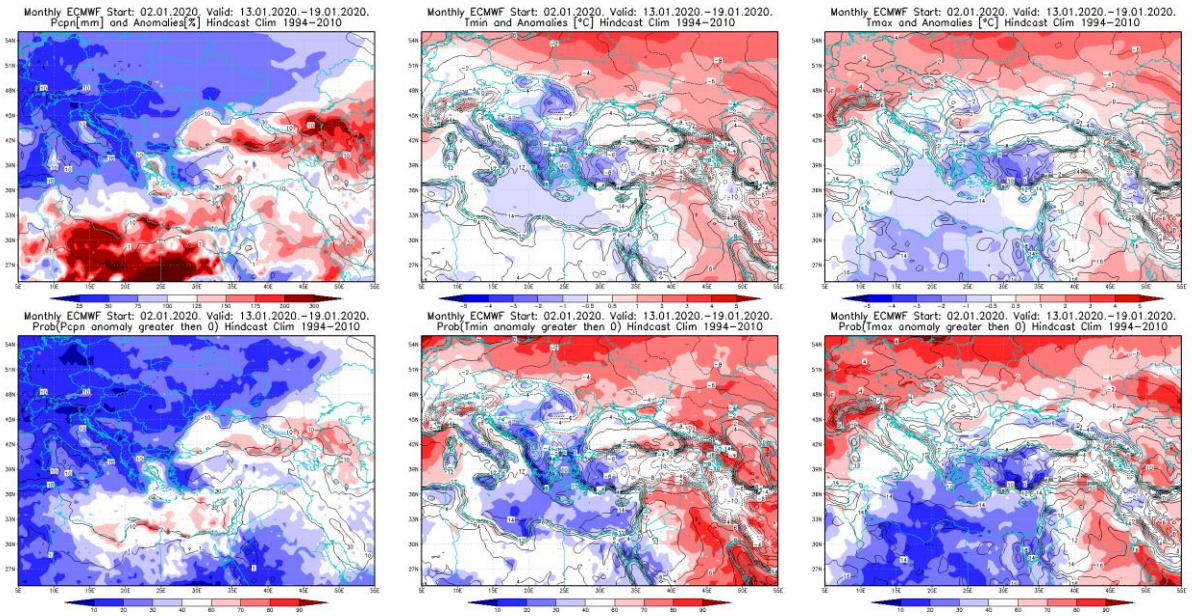


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 13.1 – 19.1.2020 period

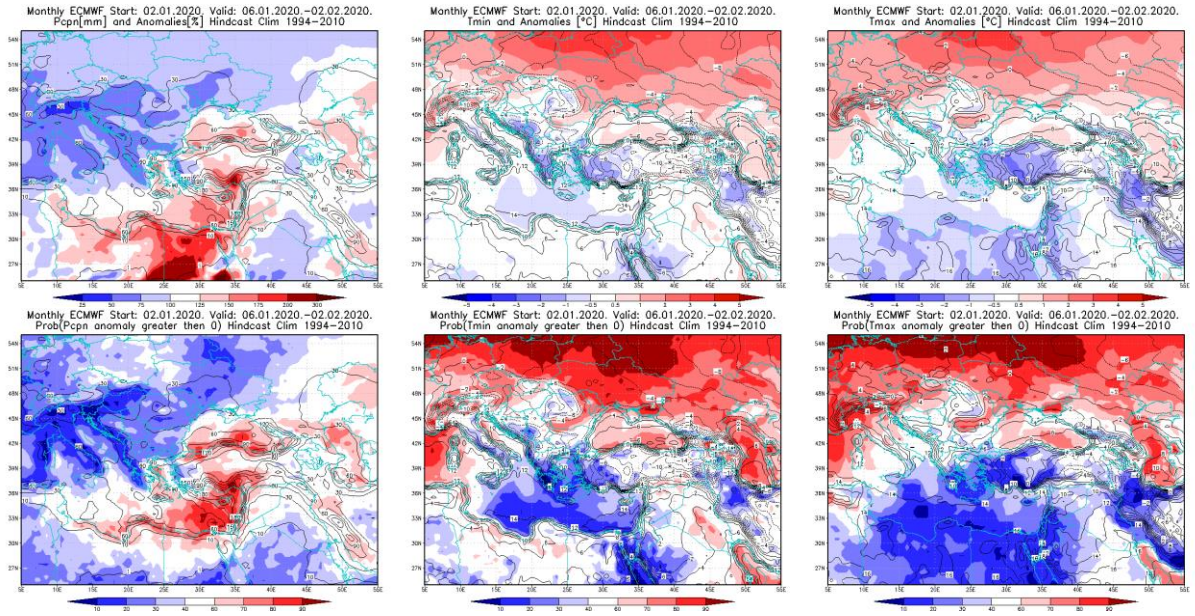


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 6.1 – 2.2. 2020 period

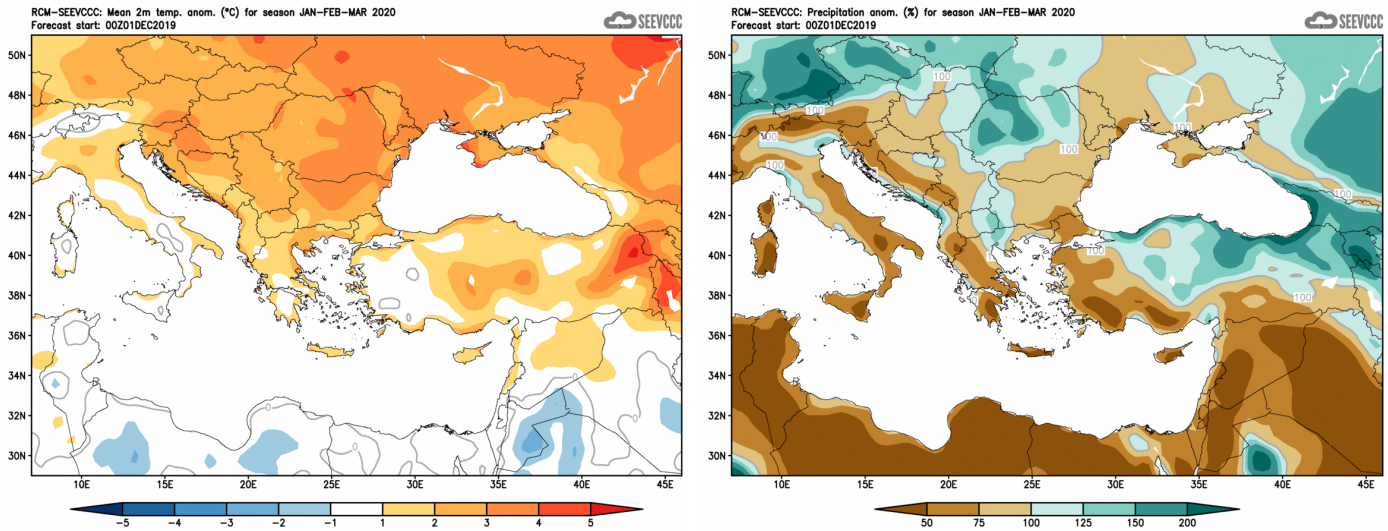


Figure 6. Mean seasonal temperature and precipitation anomaly for the season JFM (seasonal outlook from RCM – SEEVCCC)

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/)