Climate Watch (Serial No.: 20201207 – 49)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 7-12-2020 12:00 P.M.

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Valid from – to: 7-12-2020 – 28-2-2021 Next amendment: 14-12-2020

Region of concern: **the Balkans and Turkey**

„Within the period from December 7th to 13th 2020, ECMWF monthly forecast predicts precipitation surplus for the coasts of the Adriatic, Ionian and Aegean Sea, as well as eastern Balkans, with 90% probability for exceeding upper tercile. For the period from December 7th 2020 to January 3rd 2021, monthly precipitation surplus is predicted for the coasts of the Adriatic and Ionian Sea, as well as eastern Balkans with up to 90% probability for exceeding upper tercile."

Monitoring

During the period from November 29th to December 5th 2020, precipitation sums were mostly below 25 mm in most parts of the SEE region. Weekly precipitation totals reached up to 50 mm in Cyprus and southwestern Turkey, up to 75 mm on Crete and the Ionian Sea coast, and up to 200 mm along the Adriatic Sea cost.

Outlook

Within the first week (December 7th to 13th 2020), ECMWF monthly forecast predicts above average temperature for most of the SEE region, with anomaly reaching up to +5°C, except in eastern Ukraine where below normal temperature is expected with up to -4°C anomaly. Probability for exceeding upper/lower tercile is up to 90%. Precipitation surplus is forecasted for the coasts of the Adriatic, Ionian and Aegean Sea, as well as eastern Balkans, with 90% probability for exceeding upper tercile.

During the second week (December 14th to 20th 2020), above average temperature is predicted for almost the entire SEE region, with anomaly reaching up to +5°C and probability around 90% for exceeding upper tercile in Turkey. Precipitation surplus is expected in most of the Balkans, with up to 60% probability for exceeding upper tercile.

In the period from December 7th 2020 to January 3rd 2021, above average temperature is predicted for most of the SEE region, with anomaly reaching up to +4°C in Turkey and probability up to 90% for exceeding upper tercile in eastern Mediterranean. Precipitation surplus is expected along the coasts of the Adriatic and Ionian Sea, as well as eastern Balkans, with up to 90% probability for exceeding upper tercile.

During the following three months (December, January and February) seasonal forecast predicts above normal seasonal air temperature for most of the region, while in parts of Turkey and Middle East average temperature is forecasted. Precipitation deficit is predicted for the southern Balkans, most of the Turkey and Middle East. Average seasonal precipitation sums are expected in rest of the region.

Update

An updated statement will be issued on 14-12-2020

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

ANNEX

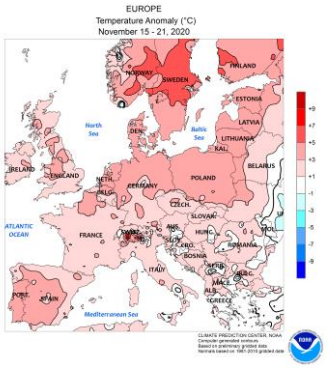
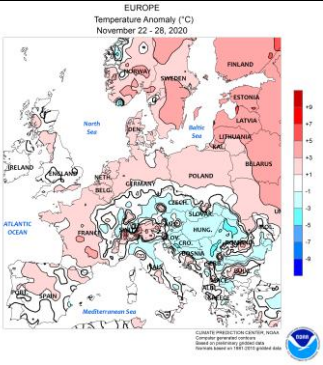
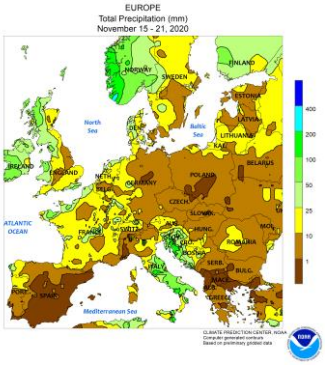
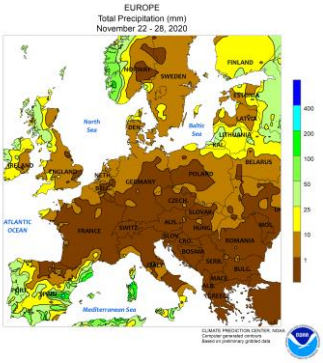
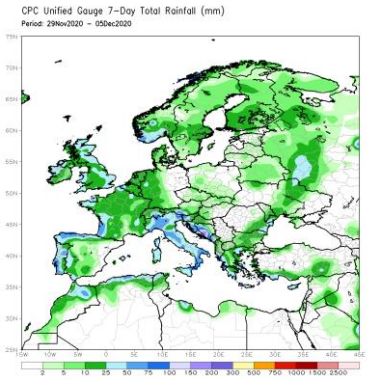
15.11-21.11.2020	22.11-28.11.2020	29.11-5.12.2020
		-
		

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

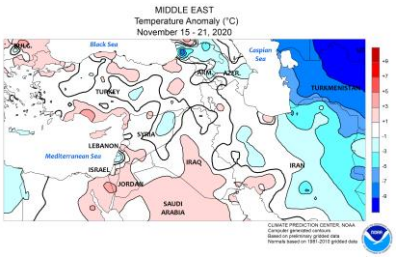
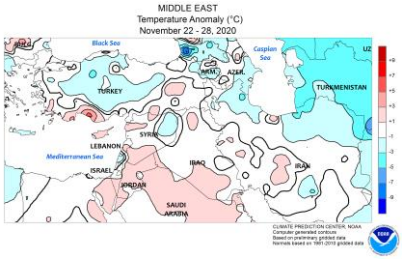
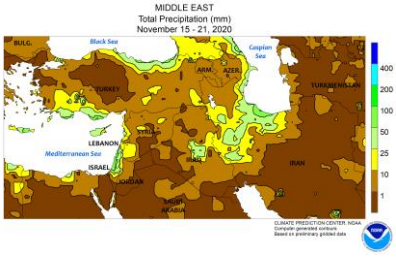
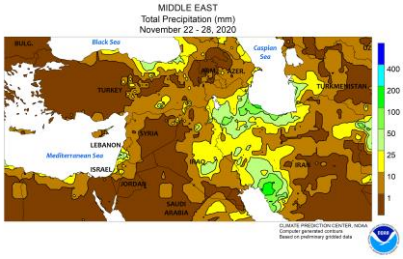
15.11-21.11.2020	22.11-28.11.2020	29.11-5.12.2020
		-
		-

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

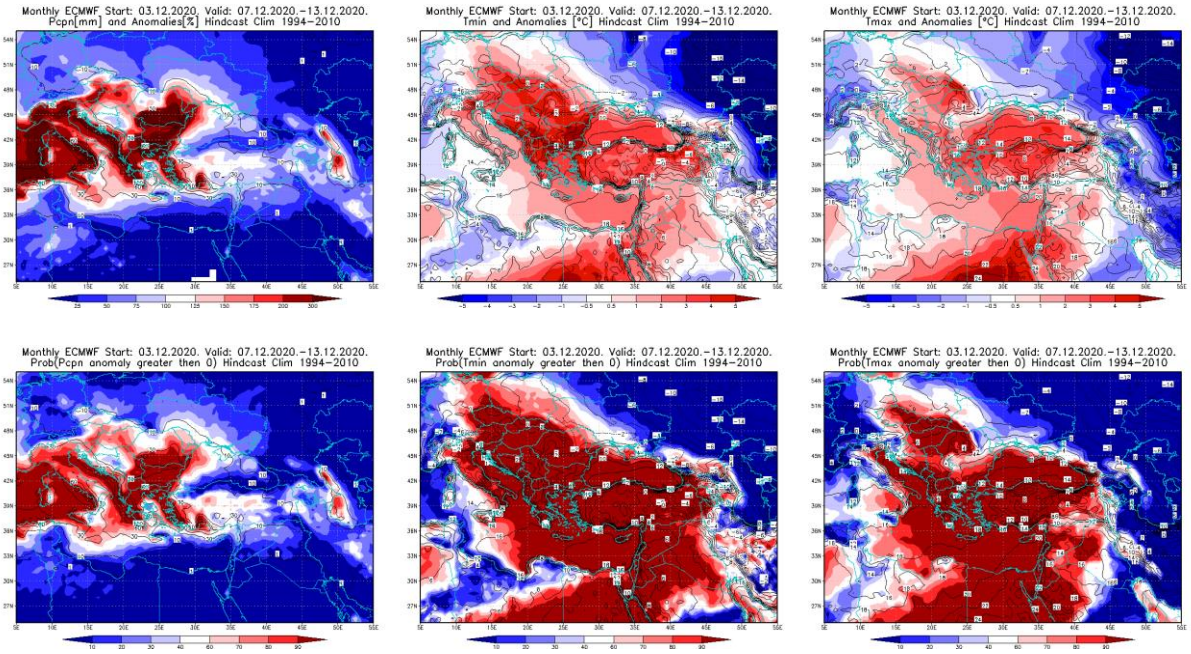


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 7.12–13.12.2020 period

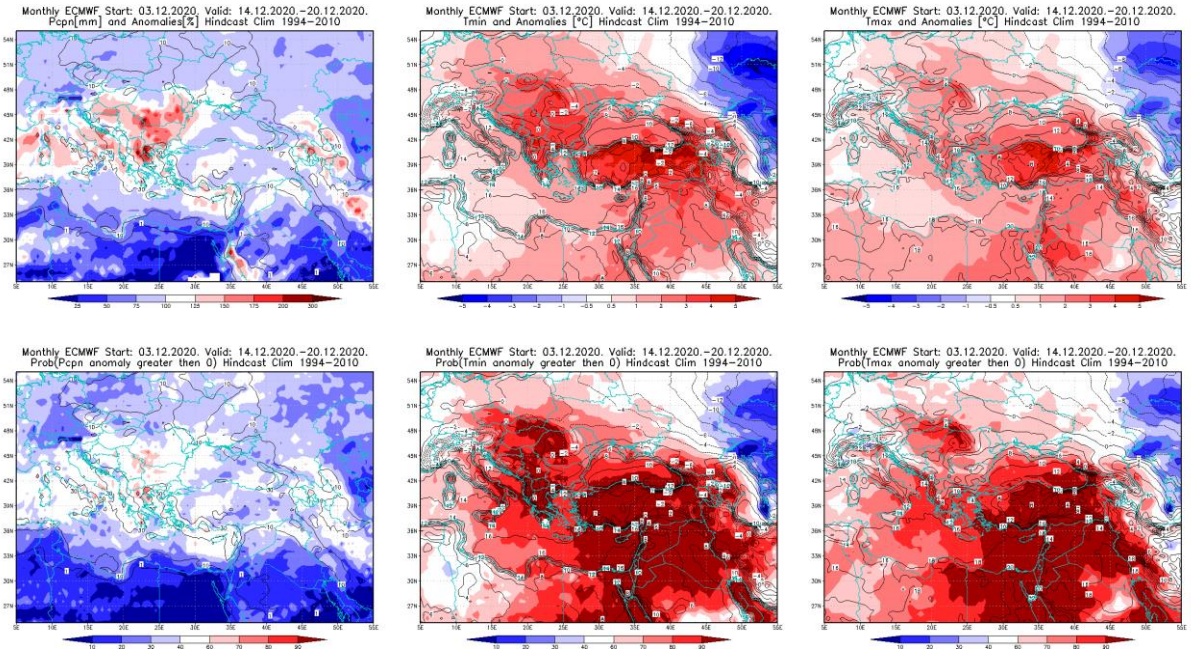


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 14.12–20.12.2020 period

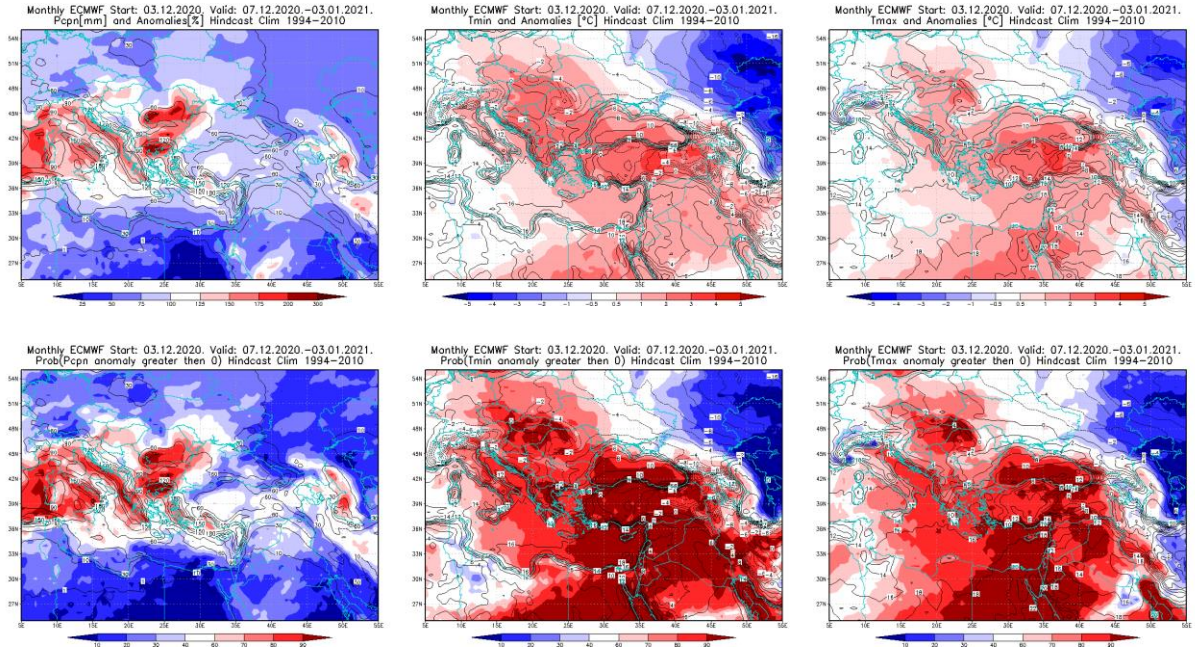


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 7.12–3.1.2021 period

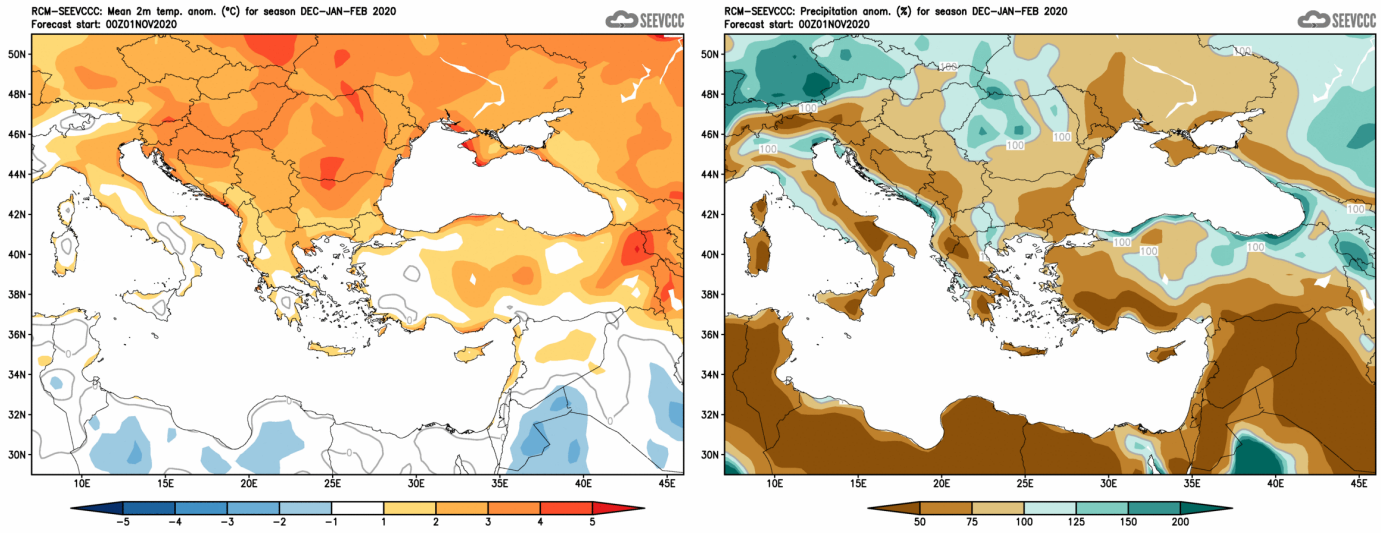


Figure 6. Mean seasonal temperature and precipitation anomaly for the season DJF (seasonal outlook from RCM – SEEVCCC)

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/)