Climate Watch (Serial No.: 20201214 – 50)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 14-12-2020 12:00 P.M.

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Valid from – to: 14-12-2020 – 28-2-2021 Next amendment: 21-12-2020

Region of concern: **Turkey and eastern Mediterrian**

„Within the period from December 14th to 20th 2020, ECMWF monthly forecast predicts above average temperature for almost the entire SEE region, with anomaly reaching up to +5°C and with up to 90% probability for exceeding upper tercile. Precipitation surplus is forecased for the eastern Mediterrian, as well as some location in Turkey, with up to 90% probability for exceeding upper tercile."

Monitoring

During the period from December 5th to 11th 2020, precipitation sums were mostly below 25 mm in most parts of the SEE region. Weekly precipitation totals reached up to 50 mm in most parts of the eastern and southern Balkans, up to 100 mm along the Adriatic, Ionian and Aegean Sea coast, and up to 150 mm along the middle Adriatic Sea coast.

Outlook

Within the first week (December 14th to 20th 2020), ECMWF monthly forecast predicts above average temperature for almost the entire SEE region, with anomaly reaching up to +5°C. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is forecasted for the eastern Mediterranean, as well as some location in Turkey, with up to 90% probability for exceeding upper tercile. Precipitation deficit is expected in most of the central and eastern Balkans and Ukraine with up to 90% probability for exceeding lower tercile.

During the second week (December 21st to 27th 2020), above average temperature is predicted for almost the entire SEE region, with anomaly reaching up to +5°C and above 90% probability for exceeding upper tercile in most of the SEE region. Precipitation surplus is expected along the coasts of the Adriatic and Aegean Sea, with around 70% probability for exceeding upper tercile. Precipitation deficit is expected in most of Turkey and south Caucasus, with up to 80% probability for exceeding lower tercile.

In the period from December 14th 2020 to January 10th 2021, above average temperature is predicted for most of the SEE region, with anomaly reaching up to +5°C in central Turkey and above 90% probability for exceeding upper tercile. Precipitation surplus is expected in eastern Mediterranean, with up to 70% probability for exceeding upper tercile. Precipitation deficit is expected in most of central Balkans and eastern Ukraine, with up to 70% probability for exceeding lower 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 21-12-2020

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

ANNEX

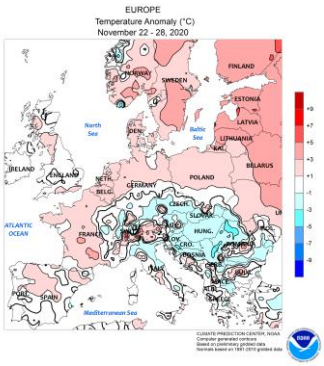
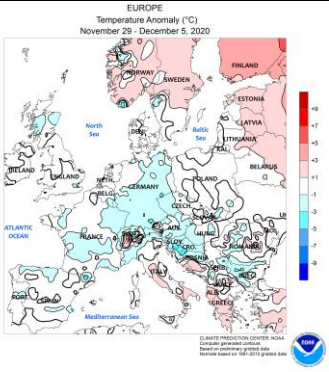
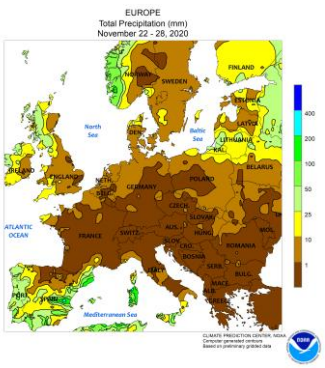
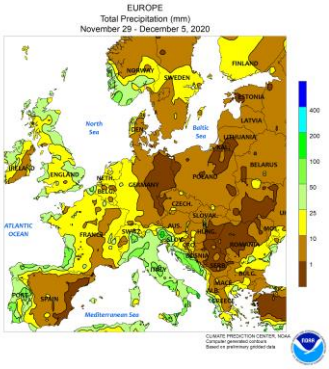
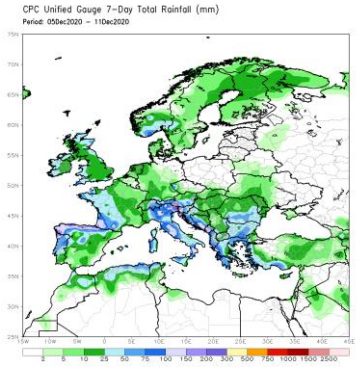
22.11-28.11.2020	29.11-5.12.2020	5.12-11.12.2020
		
		

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

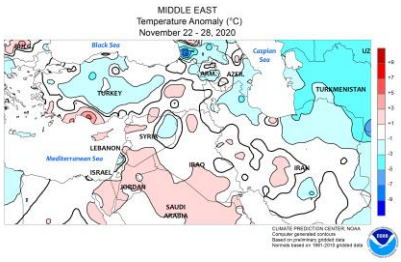
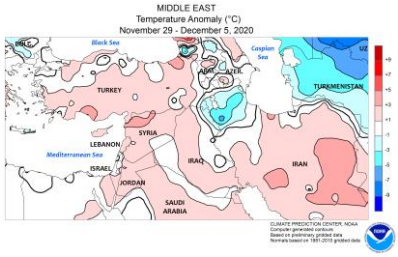
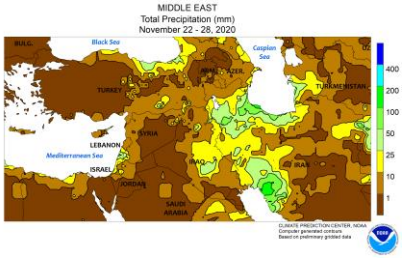
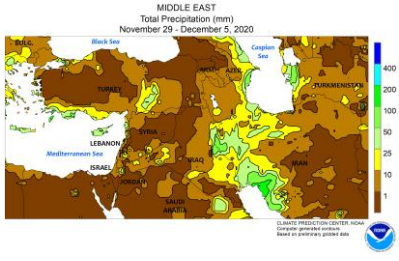
22.11-28.11.2020	29.11-5.12.2020	
		-
		-

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

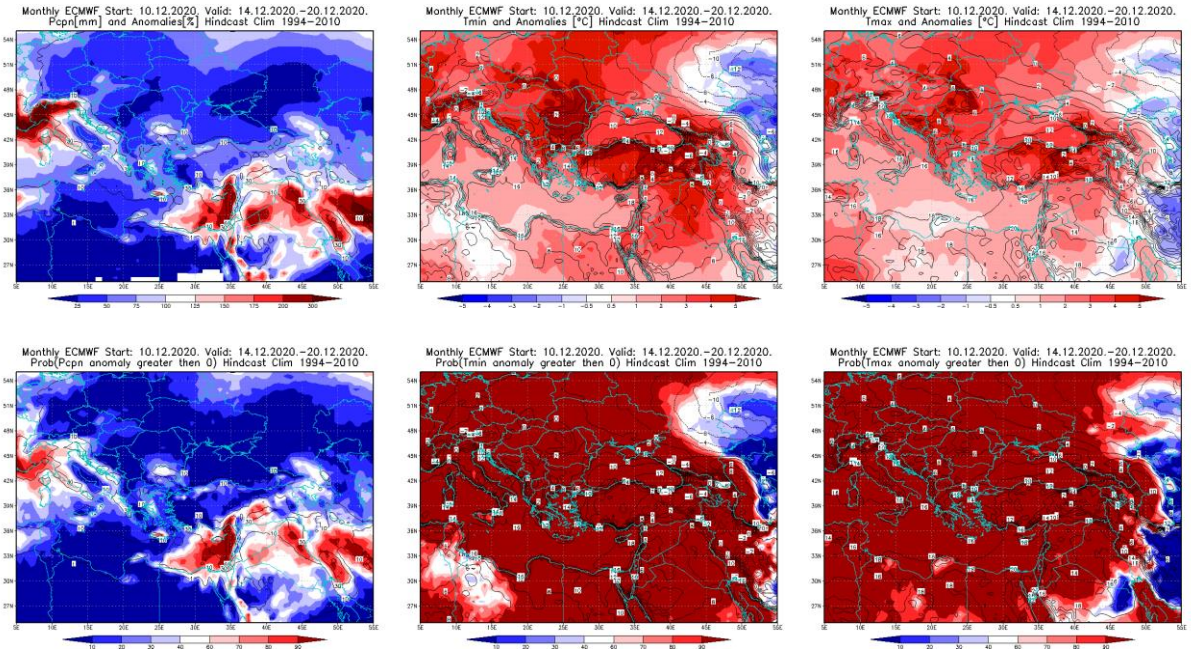


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 14.12–20.12.2020 period

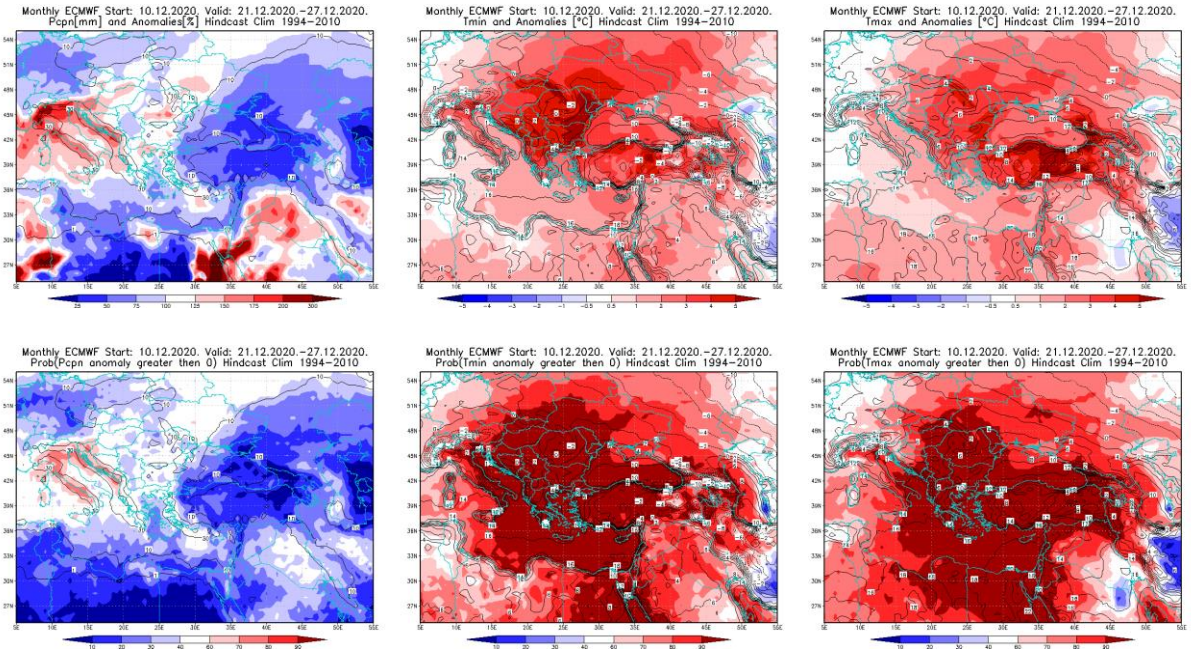


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 21.12–27.12.2020 period

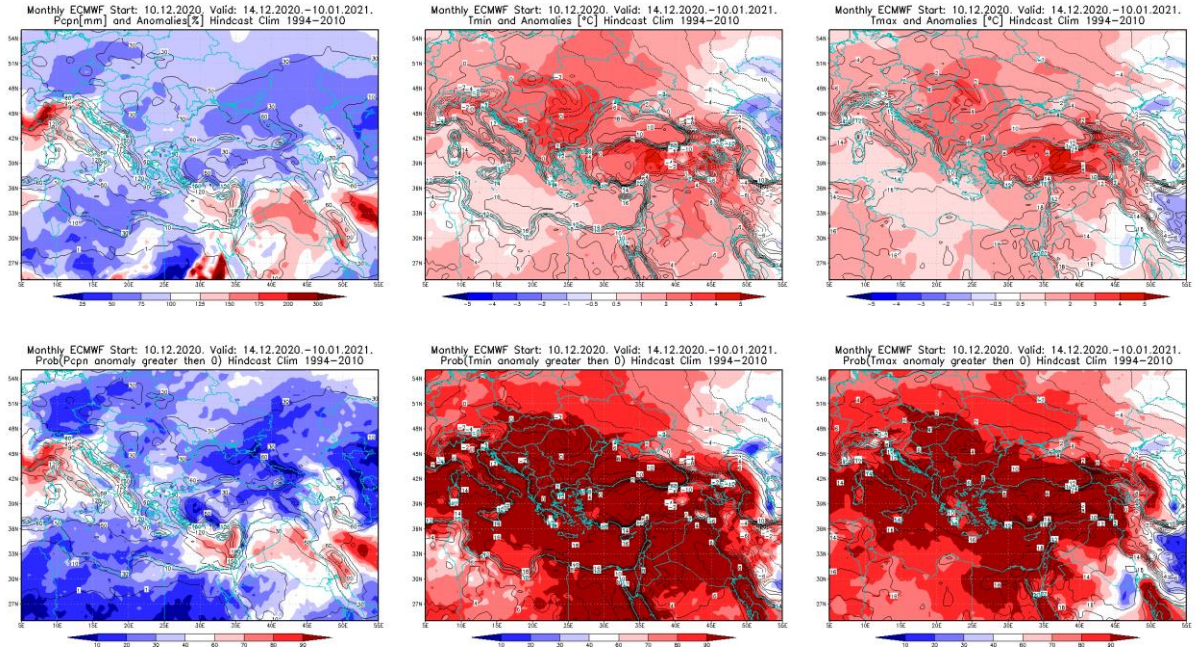


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 14.12–10.1.2021 period

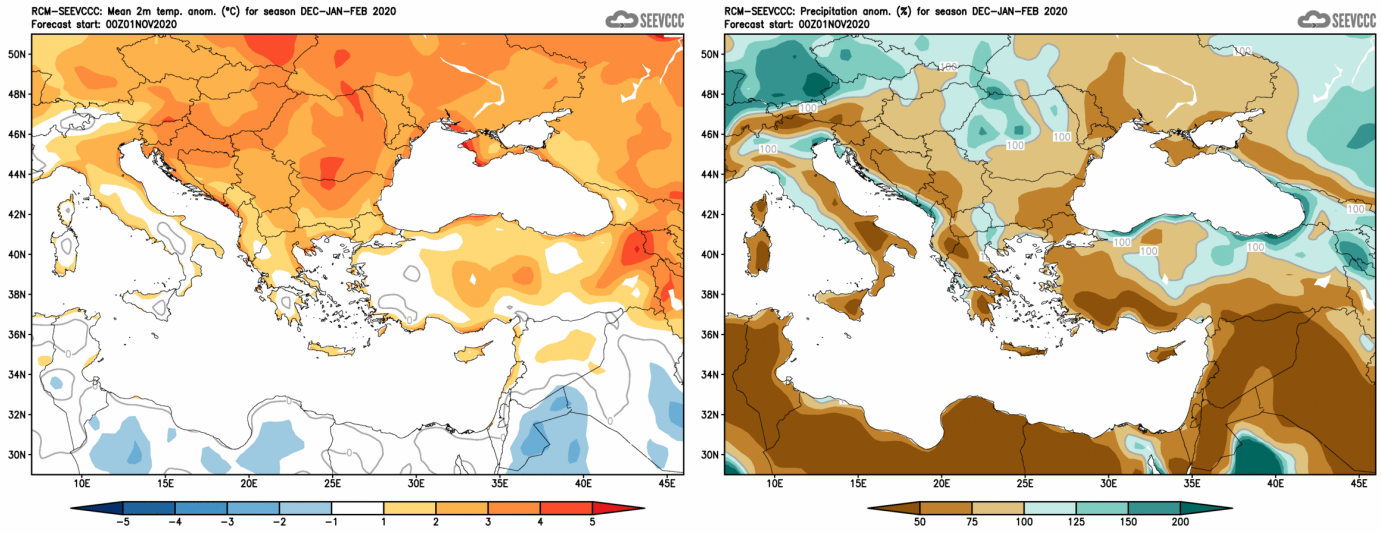


Figure 6. Mean seasonal temperature and precipitation anomaly for the season DJF (seasonal outlook from RCM – SEEVCCC)

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/)