

Climate Watch (Serial No.: 20201130 – 48)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

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Cancelled

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Valid from – to: 30-11-2020 – 28-2-2021 Next amendment: 7-12-2020

Region of concern: **SEE**

„Within the period from November 30th to December 6th 2020, ECMWF monthly forecast predicts below average temperature for most of the Balkans, with anomaly reaching up to -4°C and probability around 80% for exceeding lower tercile. Above normal temperature is expected in eastern Turkey with anomaly up to +3°C and around 80% probability for exceeding upper tercile. Precipitation surplus is forecasted for the eastern Balkans, Aegean Sea and eastern Mediterranean, with up to 90% probability for exceeding upper tercile.”

Monitoring

During the period from November 22nd to 28th 2020, precipitation sums were mostly below 5 mm in most parts of the SEE region. Weekly precipitation totals reached up to 75 mm in southern Serbia, Northern Macedonia and Greece.

Outlook

Within the first week (November 30th to December 6th 2020), ECMWF monthly forecast predicts below average temperature for most of the Balkans, with anomaly reaching up to -4°C and probability around 80% for exceeding lower tercile. Above normal temperature is expected in eastern Turkey with anomaly up to +3°C and around 80% probability for exceeding upper tercile. Precipitation surplus is forecasted for the eastern Balkans, Aegean Sea and eastern Mediterranean, with up to 90% probability for exceeding upper tercile.

During the second week (December 7th to 13th 2020), above average temperature is predicted for the entire SEE region, with anomaly reaching up to +5°C. Probability for exceeding upper tercile is around 90%. Precipitation surplus is expected in the western and southern Balkans, with probability for exceeding upper tercile around 70%. In rest of the region average precipitation is expected.

In the period from November 30th to December 27th 2020, above average temperature is predicted for the entire SEE region, with anomaly reaching up to +4°C. Probability for exceeding upper tercile is around 80%. Precipitation surplus is expected in the part of eastern Balkans, along the Adriatic coast and eastern Mediterranean, with around 70% probability for exceeding upper tercile. Precipitation deficit is expected for eastern Turkey with around 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 7-12-2020

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

ANNEX

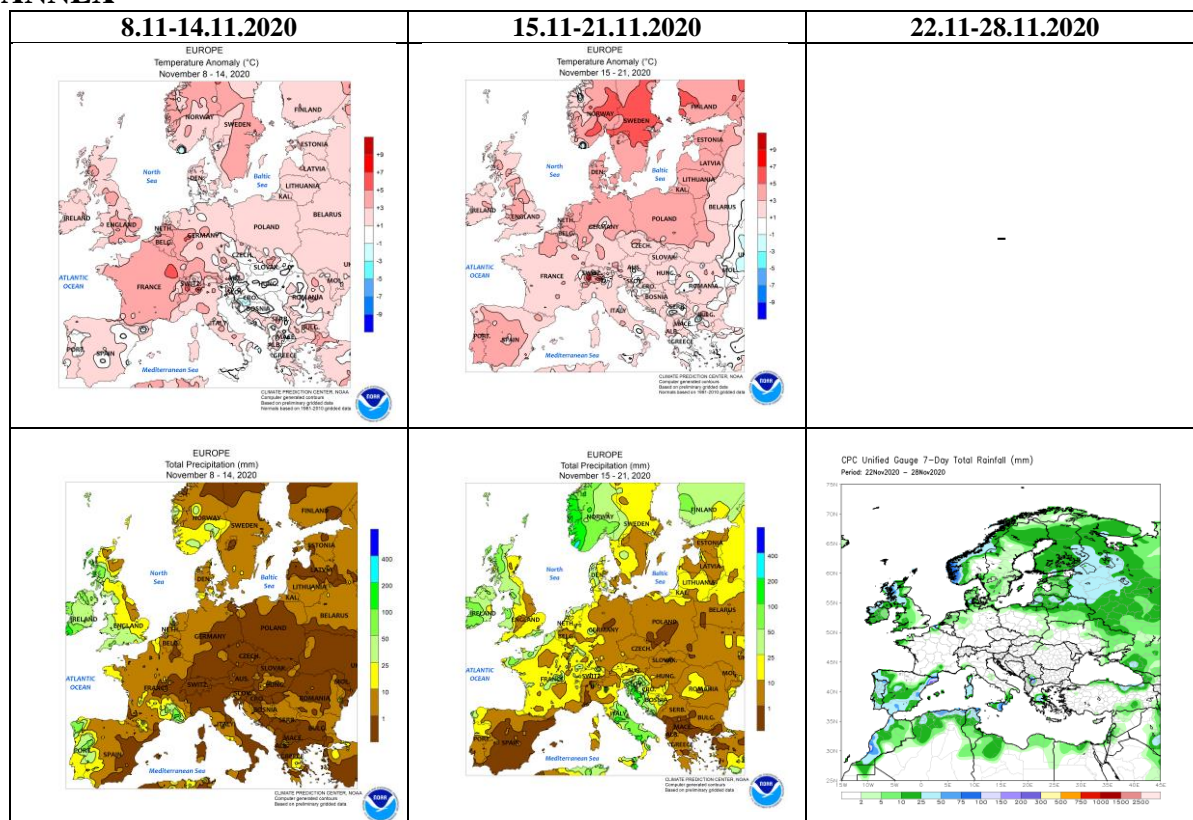


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

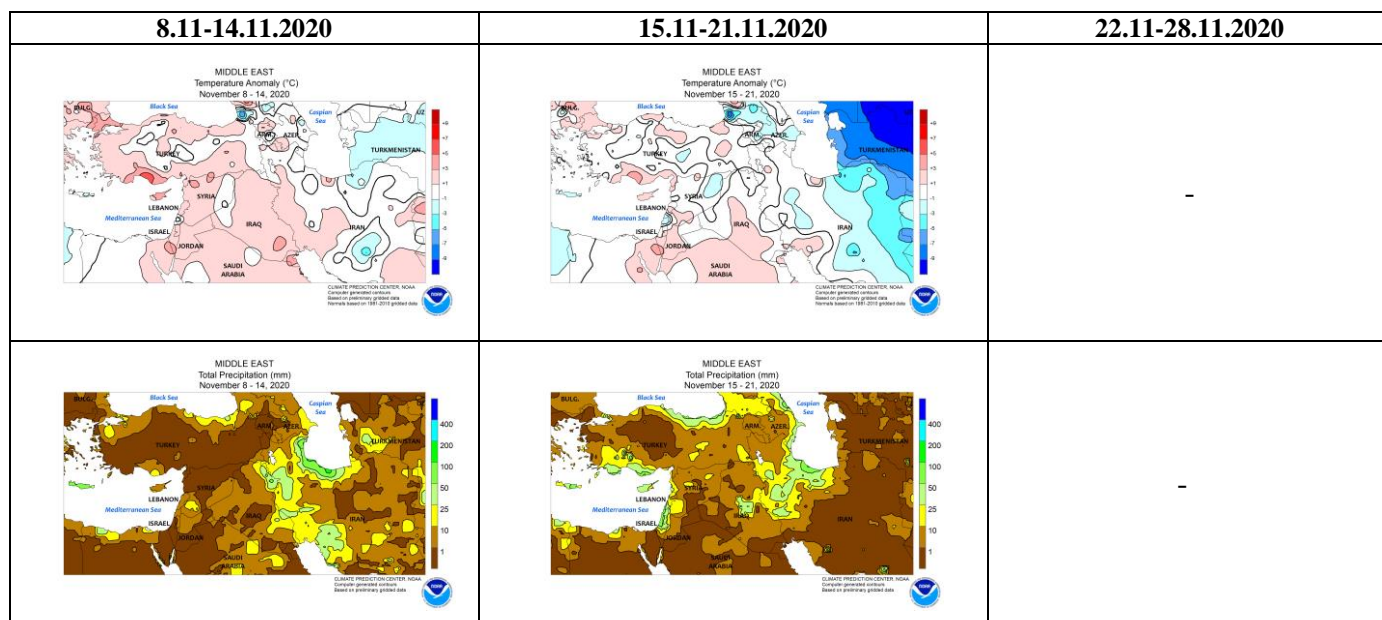


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

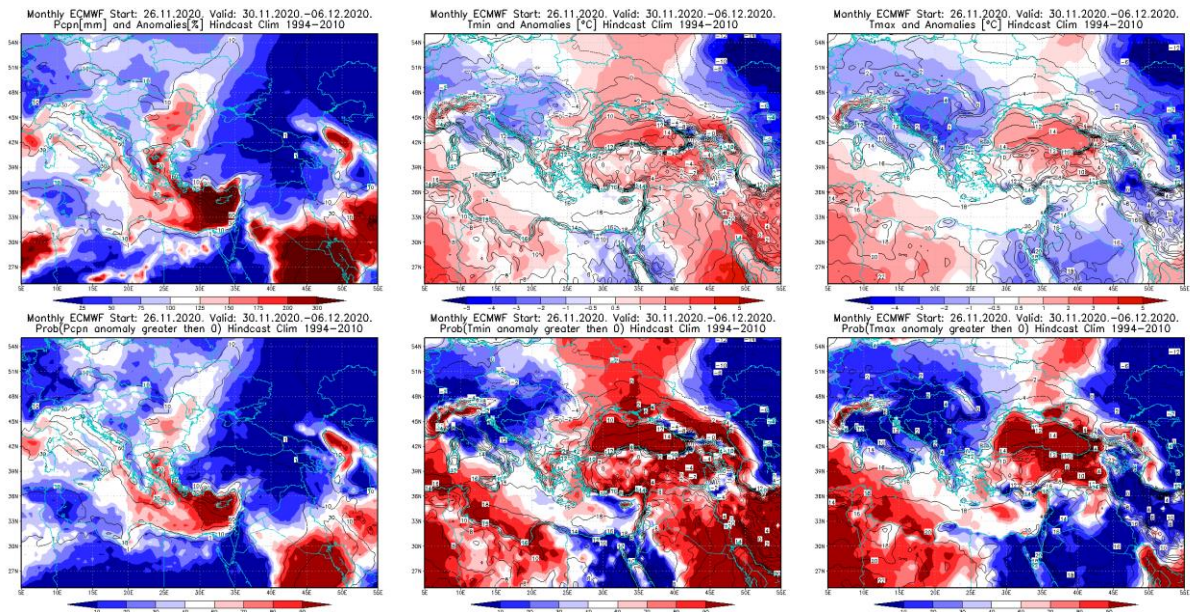


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 30.11–6.12.2020 period

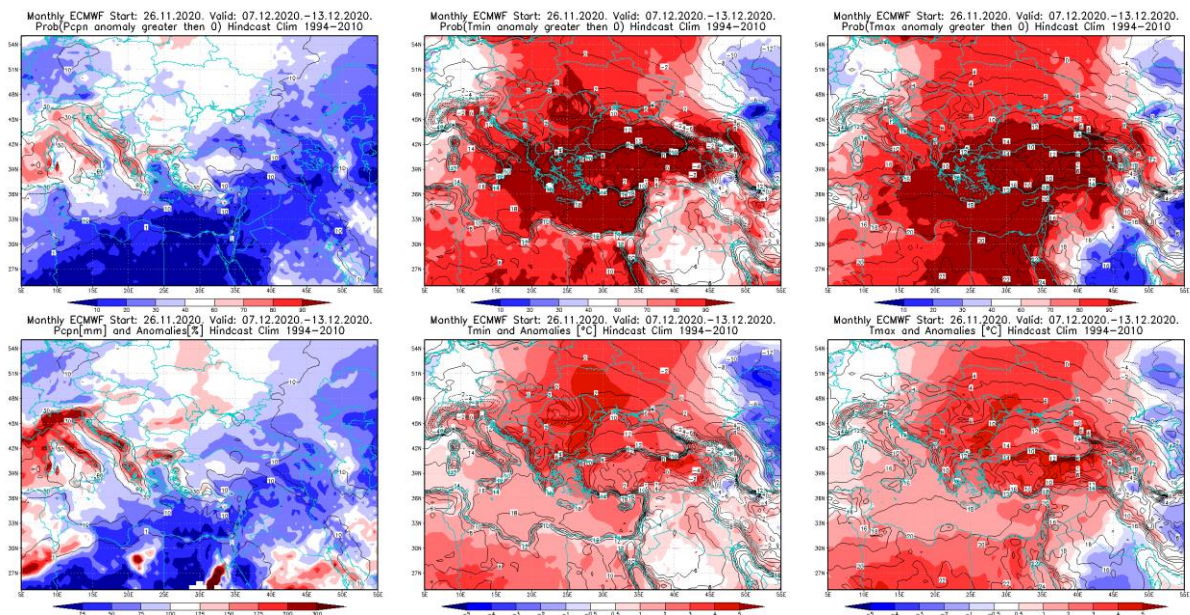


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 7.12–13.12.2020 period

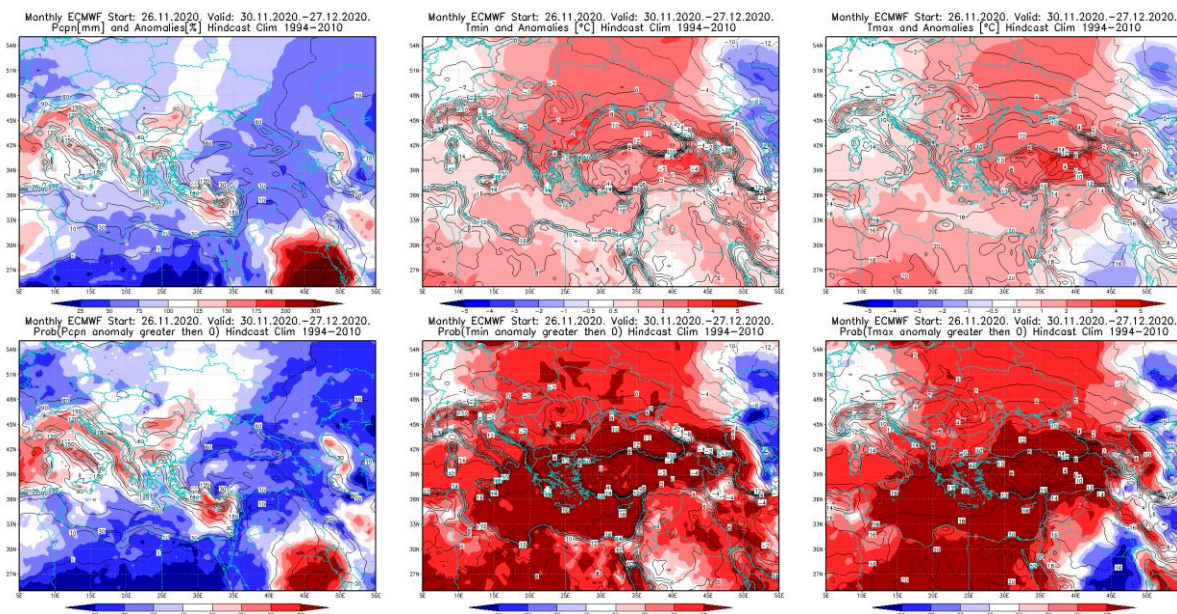


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 30.11–27.12.2020 period

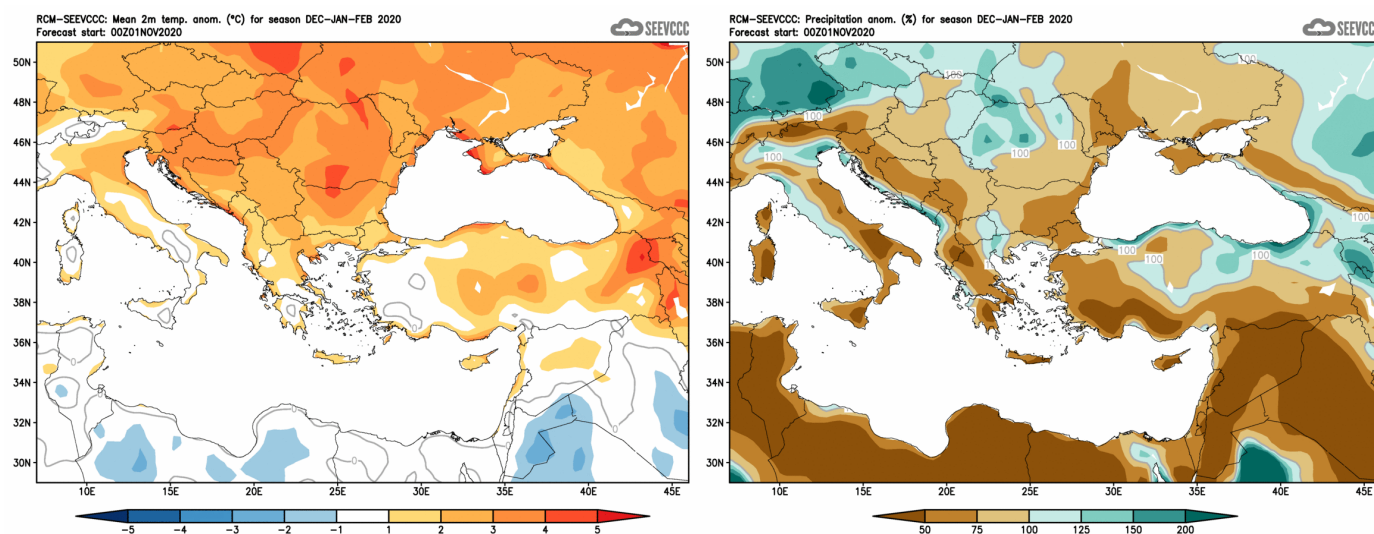


Figure 6. Mean seasonal temperature and precipitation anomaly for the season DJF (seasonal outlook from RCM – SEEVCCC)

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/>)