

Climate Watch (Serial No.: 20201109 – 45)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing
the statement: SEEVCCC

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Cancelled

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Valid from – to: 9-11-2020 – 31-1-2021 Next amendment: 16-11-2020

Region of concern: **SEE region**

„Within the first week (November 9th to 15th 2020), ECMWF monthly forecast predicts below normal mean weekly air temperature for most of the region, with anomaly up to -4°C and probability for exceeding lower tercile up to 90%. Precipitation surplus is forecasted in eastern and northernmost Turkey, South Caucasus, Cyprus, Middle East, as well as Aegean region with around 90% probability for exceeding upper tercile. In rest of the region precipitation deficit is predicted, with up to 90% probability for exceeding lower tercile.”

Monitoring

During the period from November 1st to 7th 2020, precipitation sums were below 25 mm in most of the SEE region. Weekly precipitation totals in some locations in Turkey, Georgia, and Lebanon reached up to 100 mm. In northernmost Turkey precipitation sums reached up to 150 mm.

Outlook

Within the first week (November 9th to 15th 2020), ECMWF monthly forecast predicts below normal mean weekly air temperature for most of the region, with anomaly up to -4°C and probability for exceeding lower tercile up to 90%. Precipitation surplus is forecasted in eastern and northernmost Turkey, South Caucasus, Cyprus, Middle East, as well as Aegean region with around 90% probability for exceeding upper tercile. In rest of the region precipitation deficit is predicted, with up to 90% probability for exceeding lower tercile.

During the second week (November 16th to 22nd 2020), below normal mean monthly air temperature is expected in the SEE region, with anomaly reaching up to -4°C in eastern Romania and Bulgaria and probability up to 80% for exceeding lower tercile. Precipitation surplus is expected for the Black Sea regions, and some location in Turkey, South Caucasus and Eastern Mediterranean, with low probability for exceeding upper tercile. Precipitation deficit is expected in most of the SEE region, with around 80% probability for exceeding lower tercile in western Balkans.

In the period from November 9th to December 6th 2020, below normal mean monthly air temperature is expected in the SEE region, with anomaly reaching up to -3°C in eastern Romania and probability around 80% for exceeding lower tercile. Precipitation surplus is forecasted in eastern Mediterranean, Cyprus, South Caucasus and eastern Turkey with around 80% probability for exceeding upper tercile. Precipitation deficit is expected for most of the region, with probability for exceeding lower tercile up to 80%.

During the following three months (November, December and January) seasonal forecast predicts above normal seasonal air temperature for most of the region, while in most of Turkey, Middle East and parts of the south Balkans average temperature is forecasted. Precipitation surplus is predicted for southern coast of the Black Sea and southern Adriatic, Carpathian region, some parts of the Southern Caucasus, as well as southernmost of Ukraine. Average precipitation is expected in most of Turkey, Ukraine and Moldova, as well as some locations in the eastern and central Balkans.

Update

An updated statement will be issued on 16-11-2020

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

ANNEX

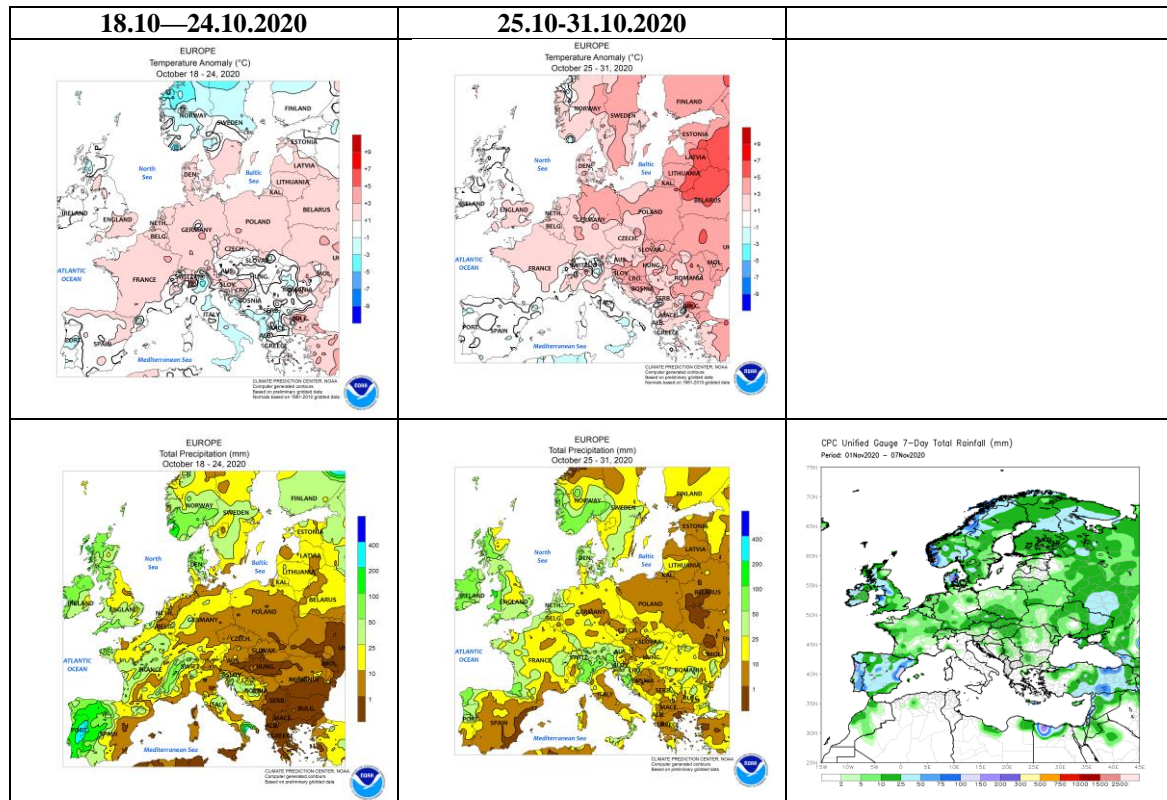


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

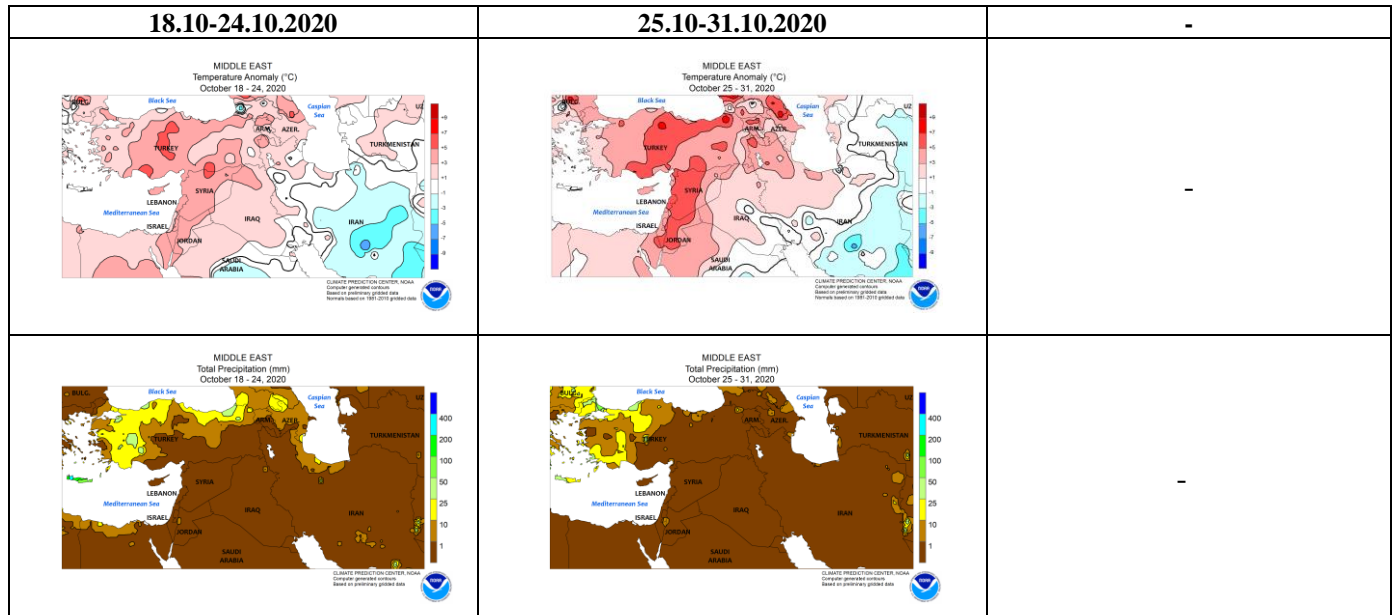


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

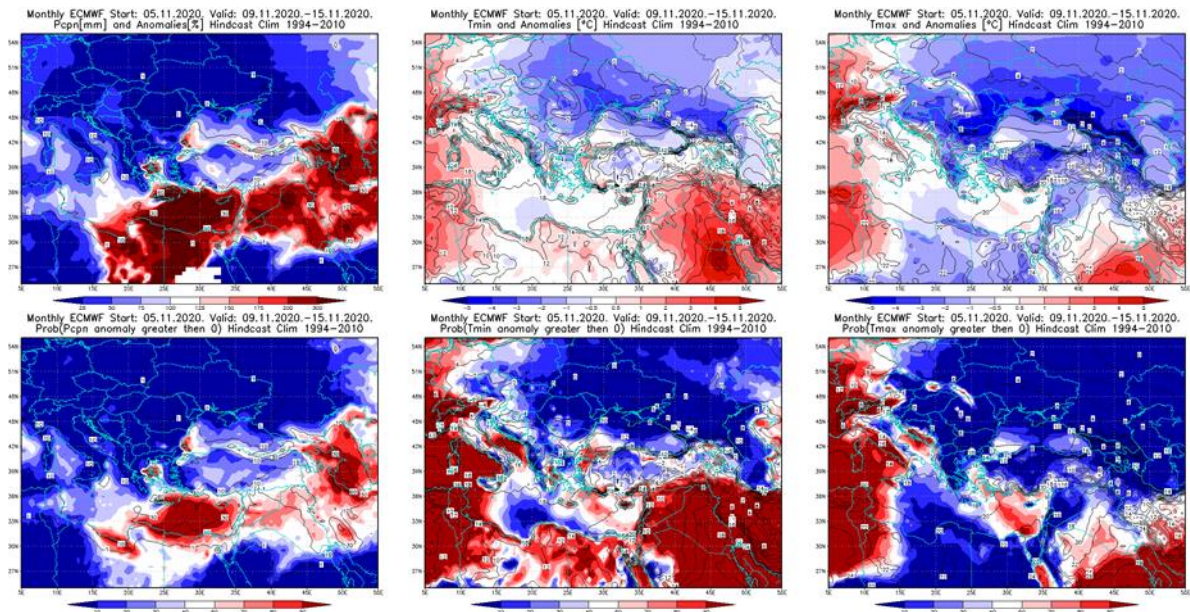


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 9.11–15.11.2020 period

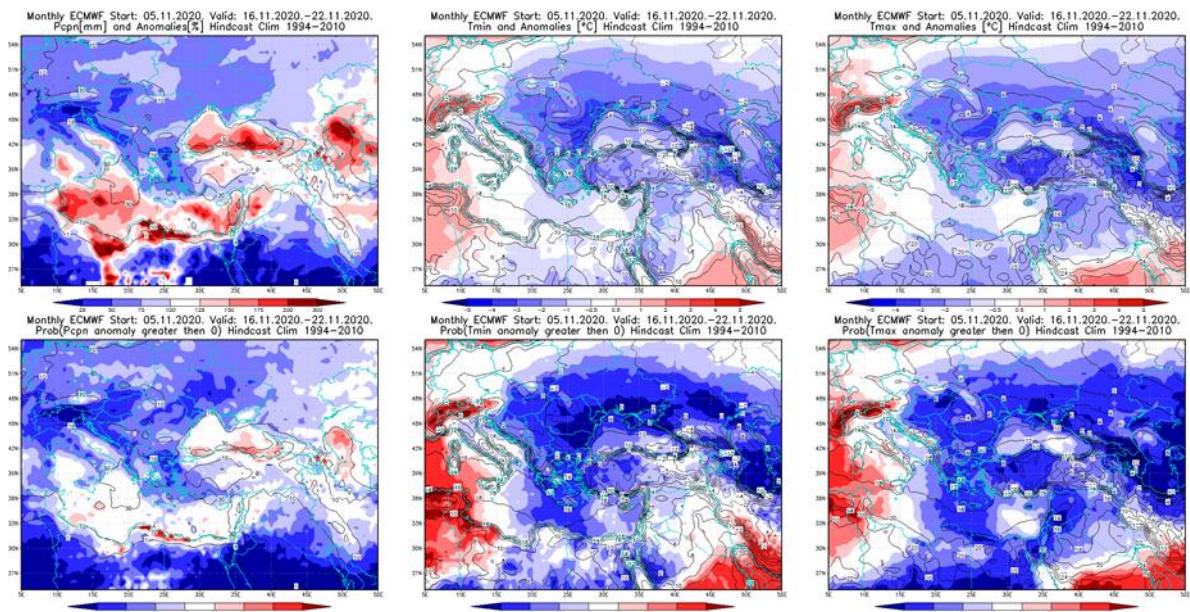


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 16.11–22.11.2020 period

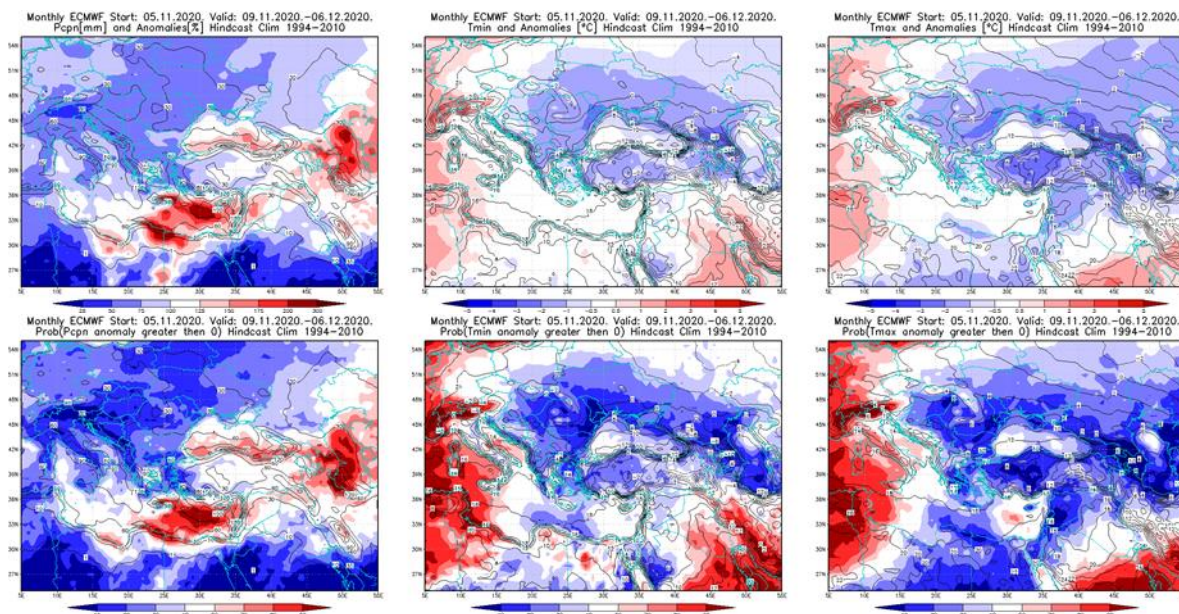


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 9.11–6.12.2020 period

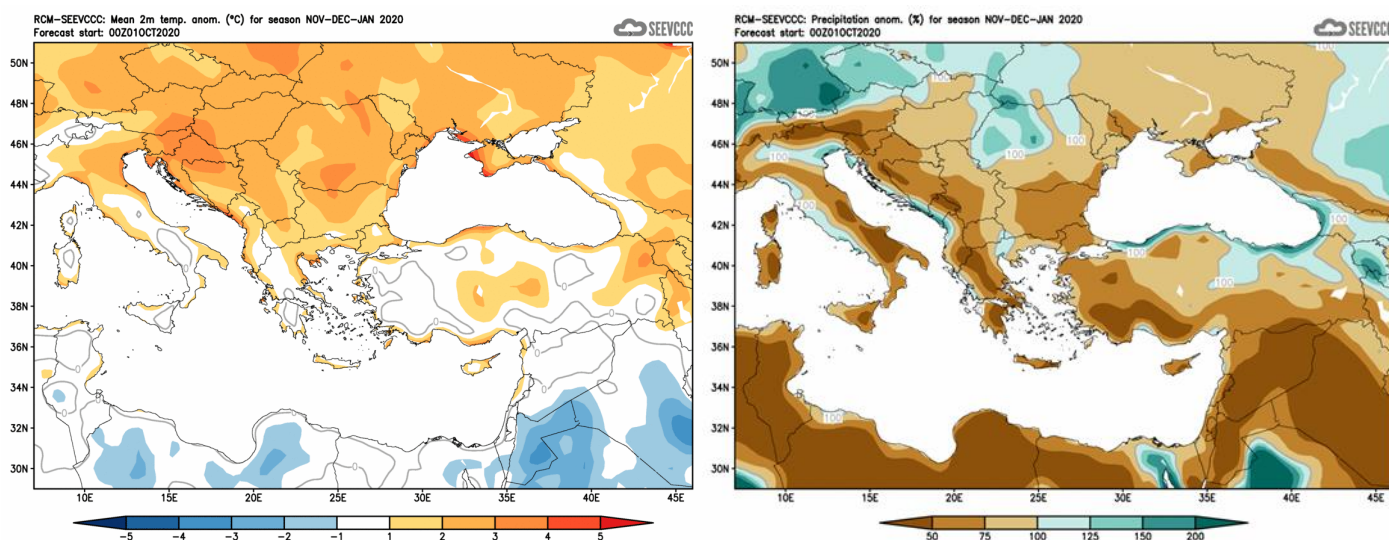


Figure 6. Mean seasonal temperature and precipitation anomaly for the season NDJ (seasonal outlook from RCM – SEEVCCC)

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/>)