

Climate Watch (Serial No.: 20201012 – 41)

Initial/Updated/Final

Topic: **temperature** and **precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended /
Cancelled 5-10-2020 12:00 P.M.

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Valid from – to: 12-10-2020 – 31-12-2020 Next amendment: 19-10-2020

Region of concern: **the Balkans, Turkey. South Caucasus, Cyprus**

„Within the first week (October 12th to 18th 2020), ECMWF monthly forecast predicts above normal mean weekly air temperature for most of the region, with anomaly up to +5°C and up to 90% probability for exceeding upper tercile. Precipitation surplus is forecasted for most of the Balkans, with up to 90% probability for exceeding upper tercile. Precipitation deficit is expected in Turkey, Cyprus and South Caucasus, with around 80% probability for exceeding lower tercile.”

Monitoring

During the period from October 4th to 10th 2020, precipitation sums were up to 75 mm in most of the central, eastern and northwestern Balkans. Weekly precipitation totals reached up to 100 mm in some location in Croatia.

Outlook

Within the first week (October 12th to 18th 2020), ECMWF monthly forecast predicts above normal mean weekly air temperature for most of the region, with anomaly up to +5°C and up to 90% probability for exceeding upper tercile. Precipitation surplus is forecasted for most of the Balkans, with up to 90% probability for exceeding upper tercile. Precipitation deficit is expected in Turkey, Cyprus and South Caucasus, with around 80% probability for exceeding lower tercile.

During the second week (October 19th to 25th 2020), above normal mean weekly air temperature is expected in most of the region, with anomaly up to +3°C and up to 90% probability for exceeding upper tercile, in the area of Black Sea, Aegean Sea and eastern Mediterranean Sea. Precipitation deficit is expected for the southern Balkans, Turkey and Cyprus, with around 70% probability for exceeding lower tercile. In rest of the region average precipitation sums are expected.

In the period from October 12th to November 8th 2020, above normal mean monthly air temperature is expected for most of the region, with anomaly up to +4°C. Probability for exceeding upper tercile is even up to 90%. Precipitation deficit is forecasted for central and eastern Turkey and South Caucasus, with up to 80% probability for exceeding lower tercile.

During the following three months (October, November and December) seasonal forecast predicts above normal seasonal air temperature for most of the Balkans, Romania, most of Moldova and Ukraine. Below normal seasonal air temperature is expected in the Middle East and part of southern and central Turkey. Precipitation deficit is expected for most of the region. Precipitation surplus is predicted for southern coast of the Black Sea and southern Adriatic, Carpathian region, most of South Caucasus, as well as central part of Turkey. Average precipitation is expected in most of Turkey, Ukraine and Moldova, as well as some location on the eastern and central Balkans.

Update

An updated statement will be issued on 19-10-2020

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

ANNEX

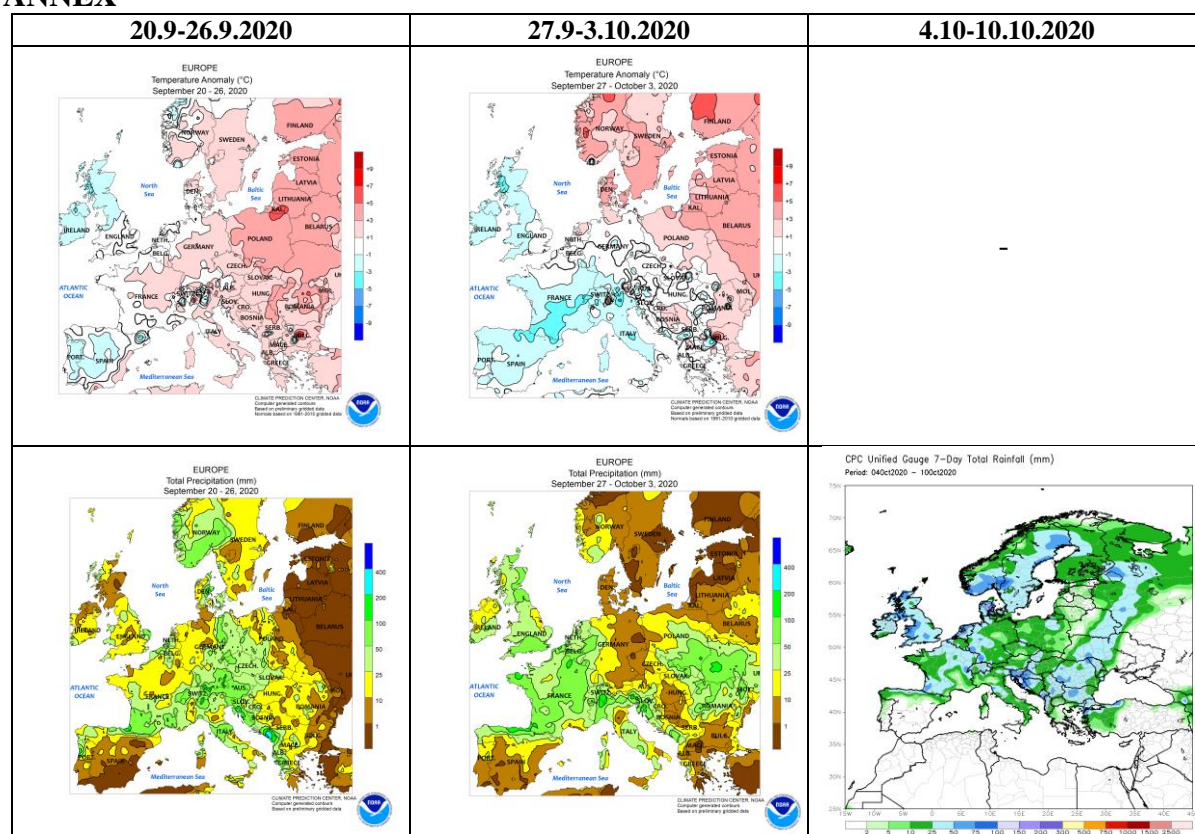


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

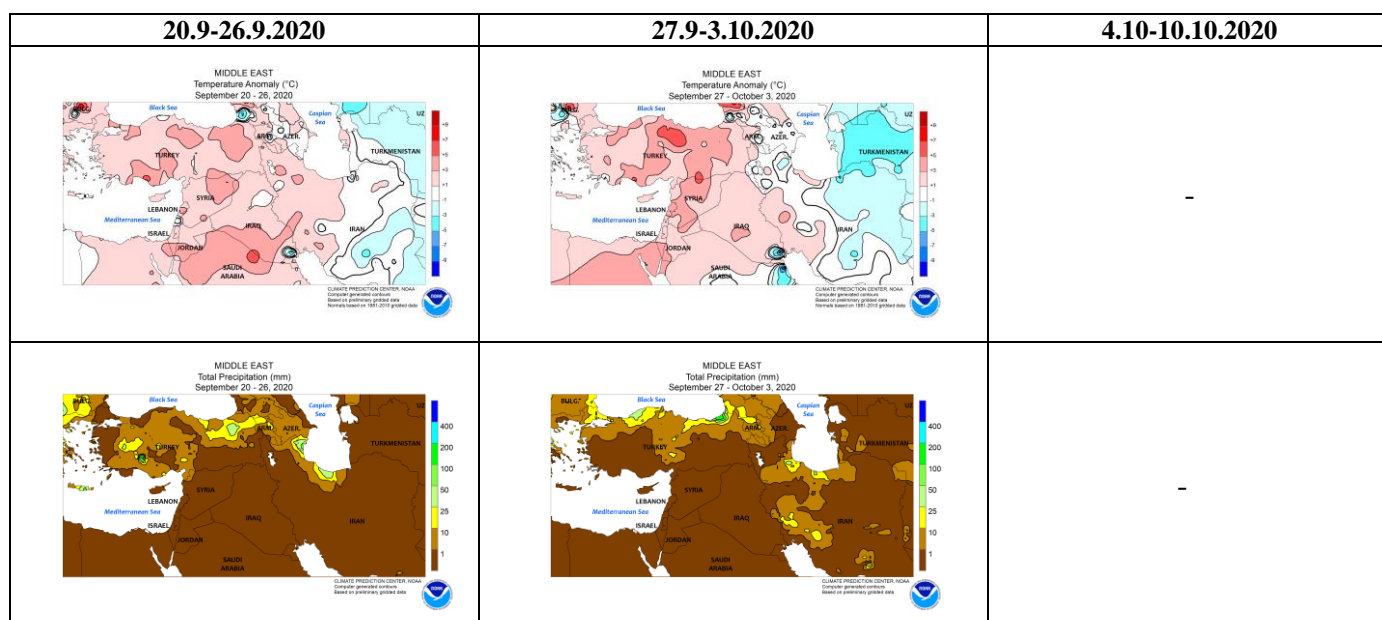


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

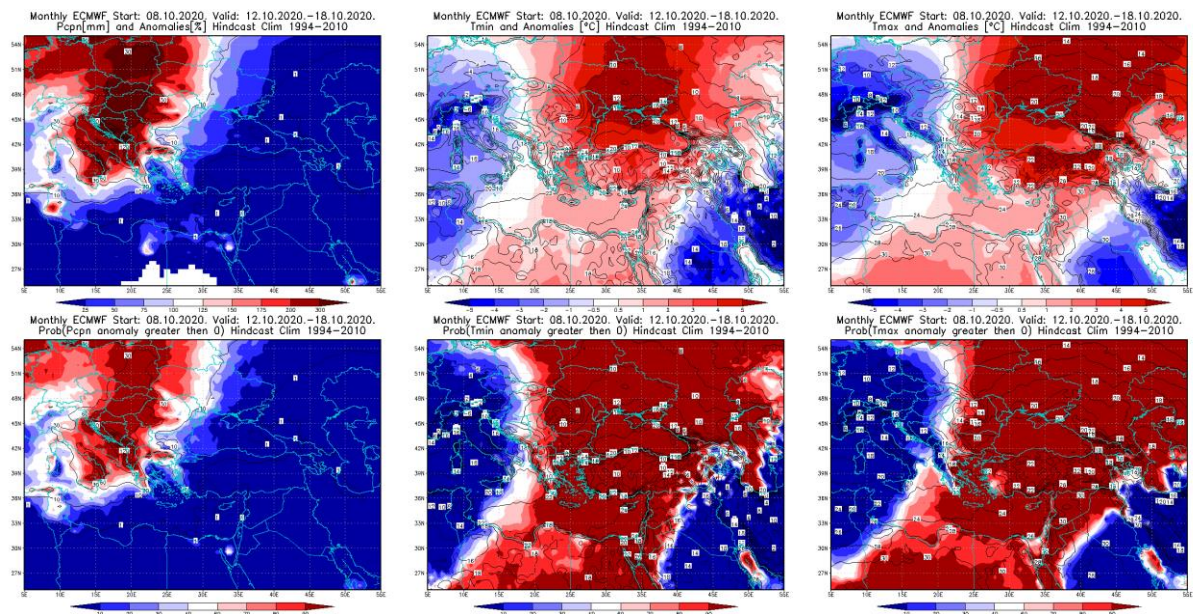


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 12–18.10.2020 period

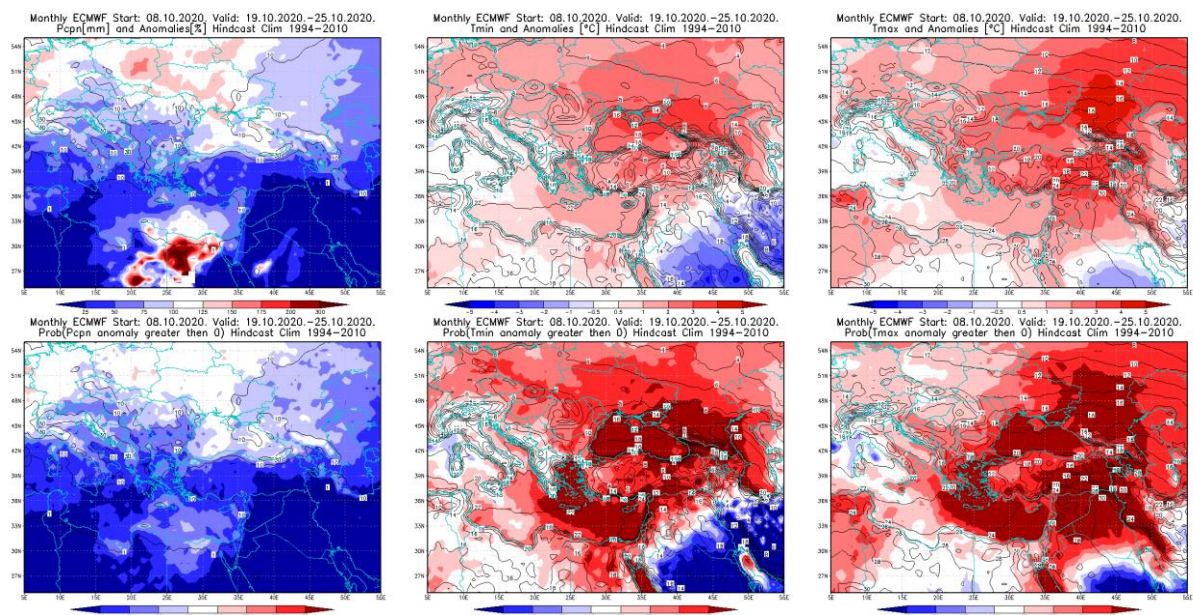


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 19–25.10.2020 period

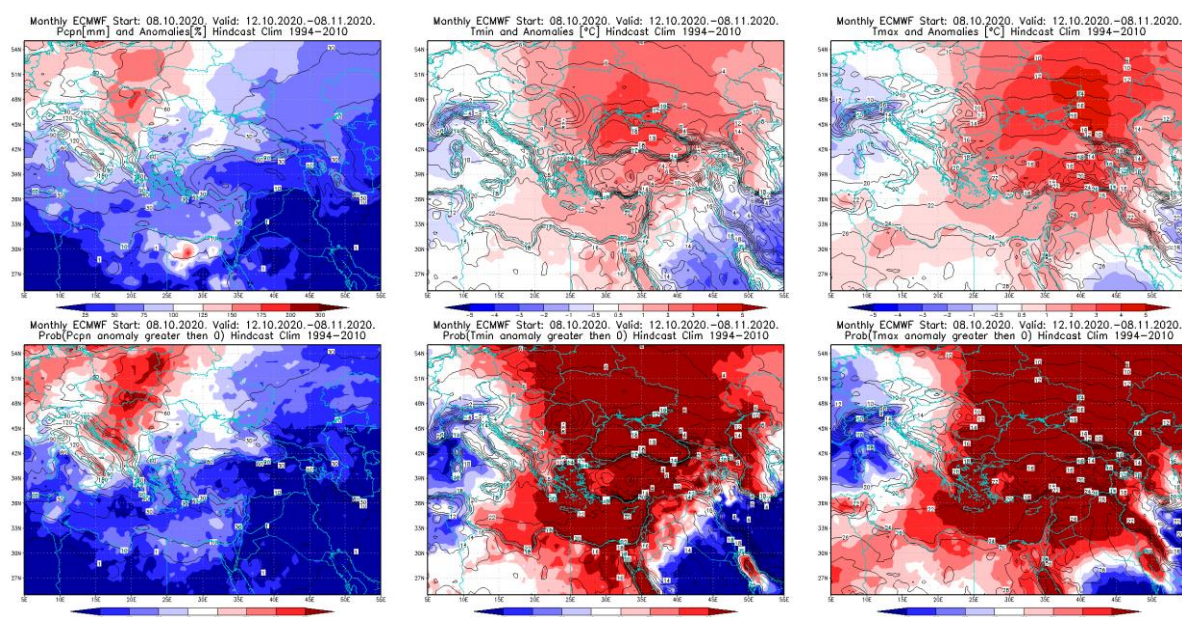


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 12.10–08.11.2020 period

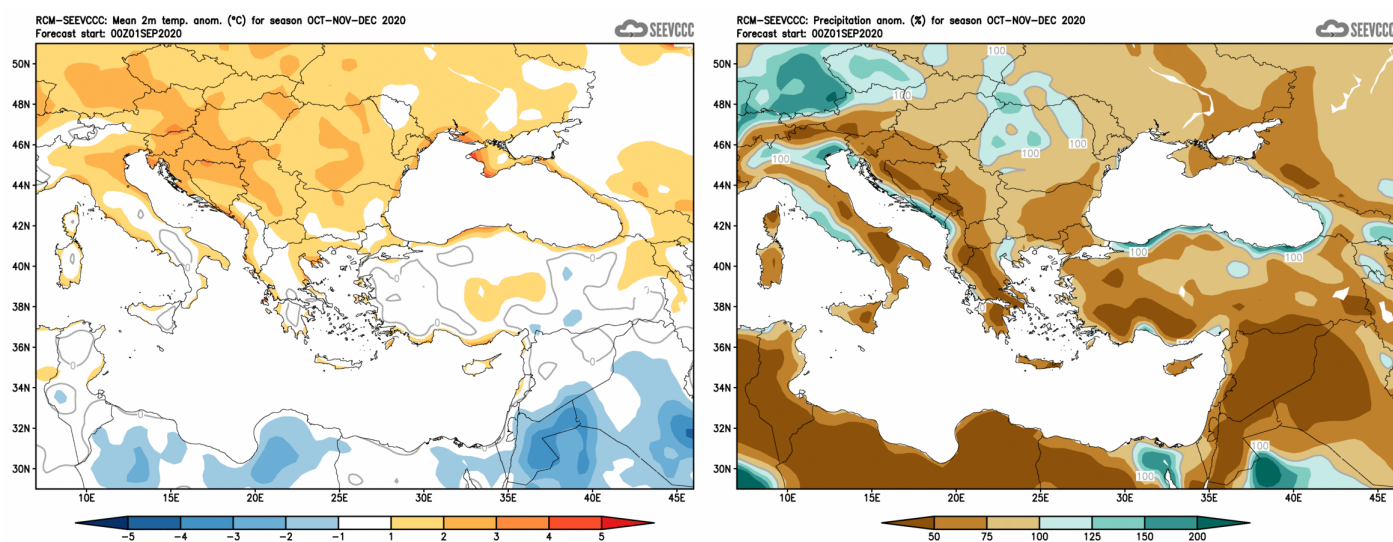


Figure 6. Mean seasonal temperature and precipitation anomaly for the season OND (seasonal outlook from RCM – SEEVCCC)

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/>)