

Climate Watch (Serial No.: 20201123 – 47)

Initial/Updated/Final

Topic: **temperature**

Organization issuing
the statement: SEEVCCC

Issued/ Amended / 23-11-2020 12:00 P.M.
Cancelled

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Valid from – to: 23-11-2020 – 28-2-2021 Next amendment: 30-11-2020

Region of concern: **Turkey, Georgia, Ukraine and the Balkans**

„Within the period from November 23rd to 29th 2020, ECMWF monthly forecast predicts below average temperature for the Pannonia Plain, eastern and southern parts of the Balkans, Turkey and Georgia, with anomaly reaching up to -4°C and probability up to 90% for exceeding lower tercile. During the second week, from November 30th to December 6th 2020, below average temperature is forecasted for eastern, southern and some central parts of the Balkans, as well as southern Ukraine, Turkey and Georgia, with anomaly reaching up to -3°C. Probability for exceeding lower tercile is up to 60% in the Balkans and Ukraine, while in Turkey and Georgia it is up to 90%. Below average temperature is expected in most of Turkey and Georgia until December 20th, with anomaly reaching up to -2°C and probability around 60% for exceeding lower tercile.”

Monitoring

During the period from November 15th to 21st 2020, precipitation sums were mostly below 25 mm in most parts of the SEE region. Weekly precipitation totals reached up to 75 mm in northwestern Balkans, Crete, Cyprus, Israel, southern and northeastern Turkey.

Outlook

Within the first week (November 23rd to 29th 2020), ECMWF monthly forecast predicts below average temperature for the Pannonia Plain, eastern and southern parts of the Balkans, Turkey and Georgia, with anomaly reaching up to -4°C and probability up to 90% for exceeding lower tercile. Precipitation deficit is forecasted for the Balkans, southwestern Ukraine, Moldova, western and central Turkey, with up to 90% probability for exceeding upper tercile.

During the second week (November 30th to December 6th 2020), below average temperature is predicted for eastern, southern and some central parts of the Balkans, as well as southern Ukraine, Turkey and Georgia, with anomaly reaching up to -3°C. Probability for exceeding lower tercile is up to 60% in the Balkans and Ukraine, while in Turkey and Georgia it is up to 90%. Precipitation surplus is expected in the Middle East and along the Azerbaijan coast of Caspian Sea, with probability for exceeding upper tercile around 60%. Precipitation deficit is predicted in most parts of the Balkans, Ukraine and western Turkey, with up to 60% probability for exceeding lower tercile.

In the period from November 23rd to December 20th 2020, below average temperature is expected in most of Turkey and Georgia, with anomaly reaching up to -2°C and probability around 60% for exceeding lower tercile. Precipitation deficit is predicted in most parts of the Balkans, Ukraine and western Turkey, with up to 80% probability for exceeding lower tercile in western and southern Balkans, as well as western Turkey.

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 30-11-2020

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

ANNEX

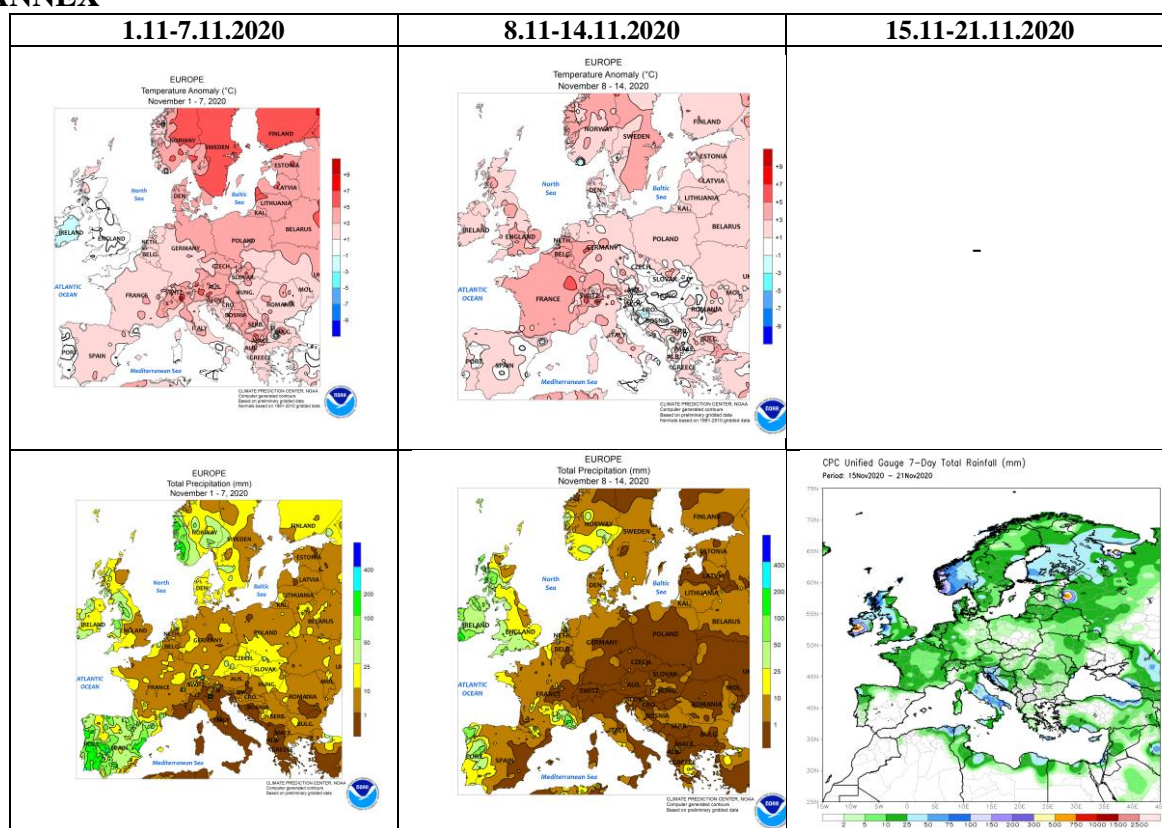


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

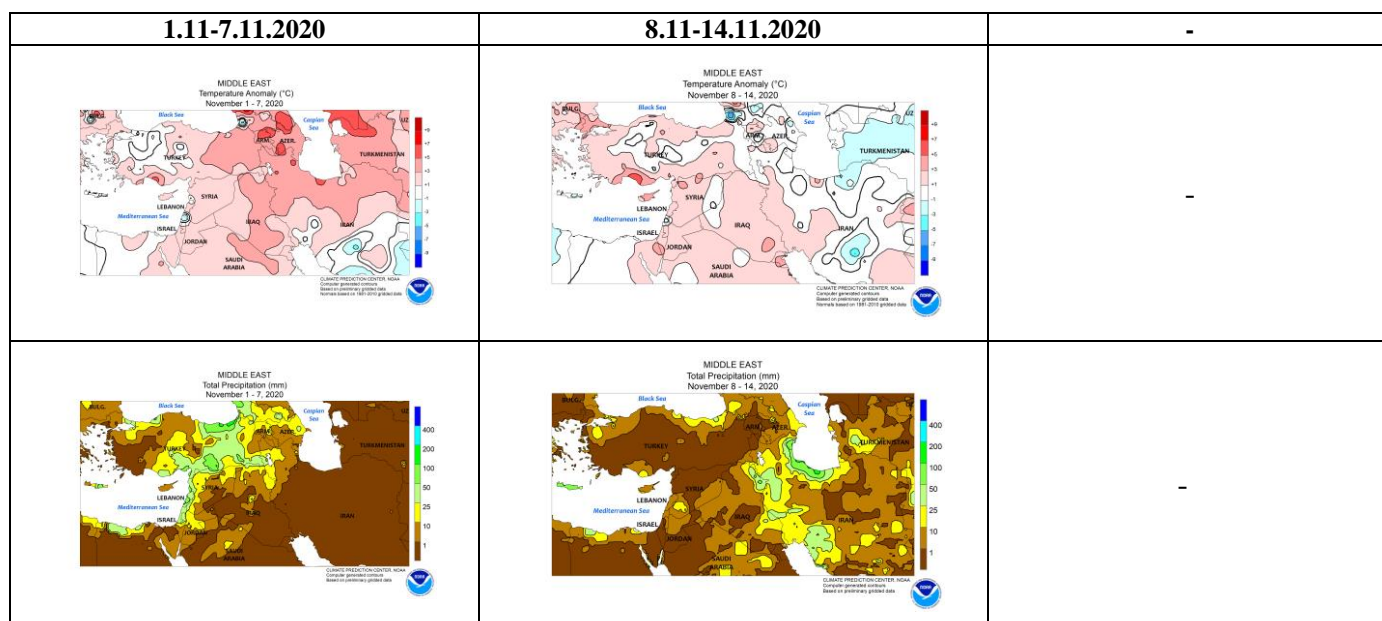


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

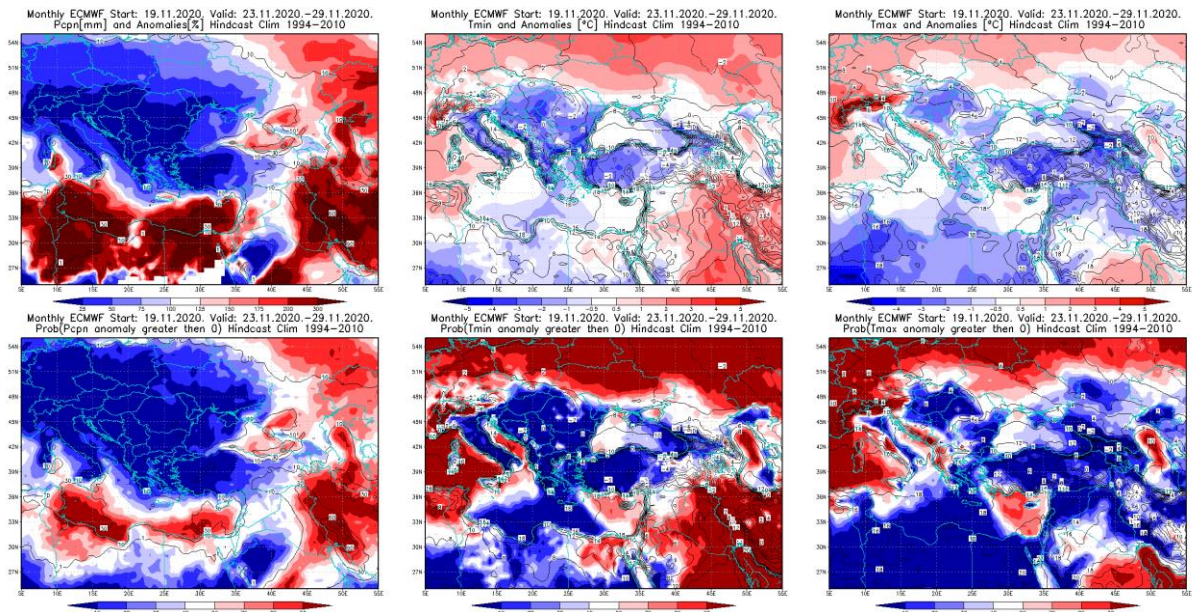


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 23.11–29.11.2020 period

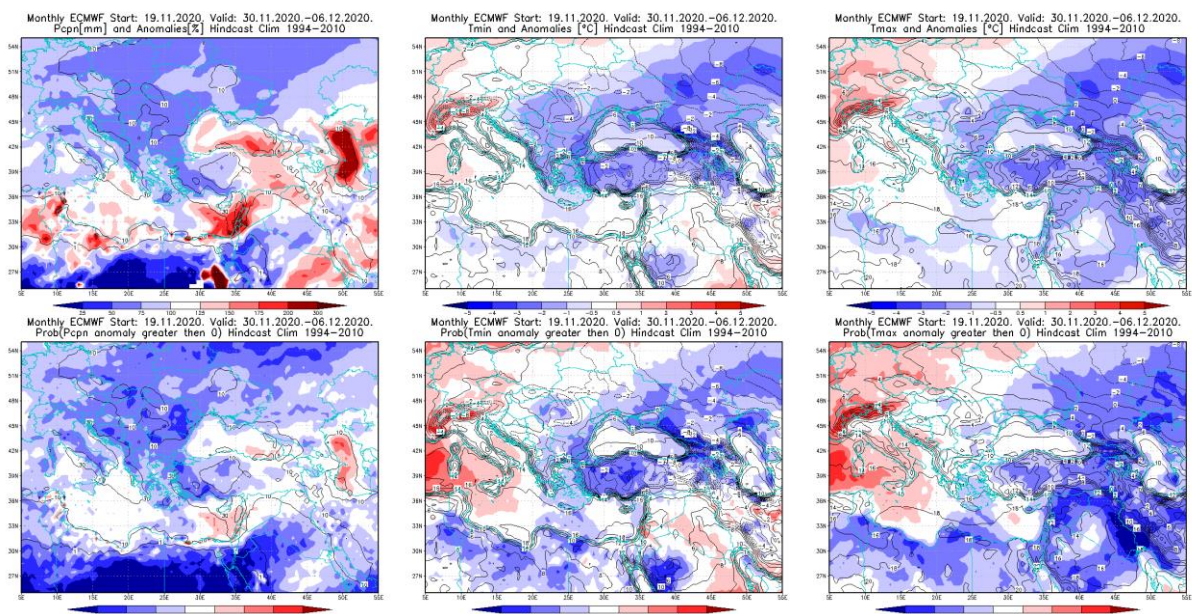


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 30.11–6.12.2020 period

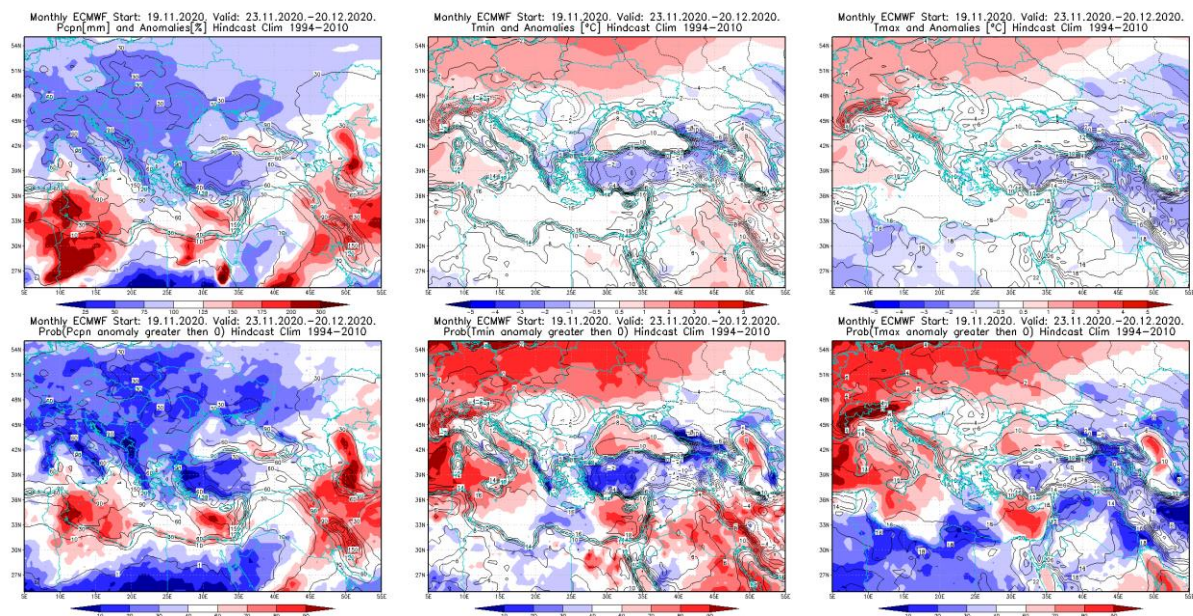


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 23.11–20.12.2020 period

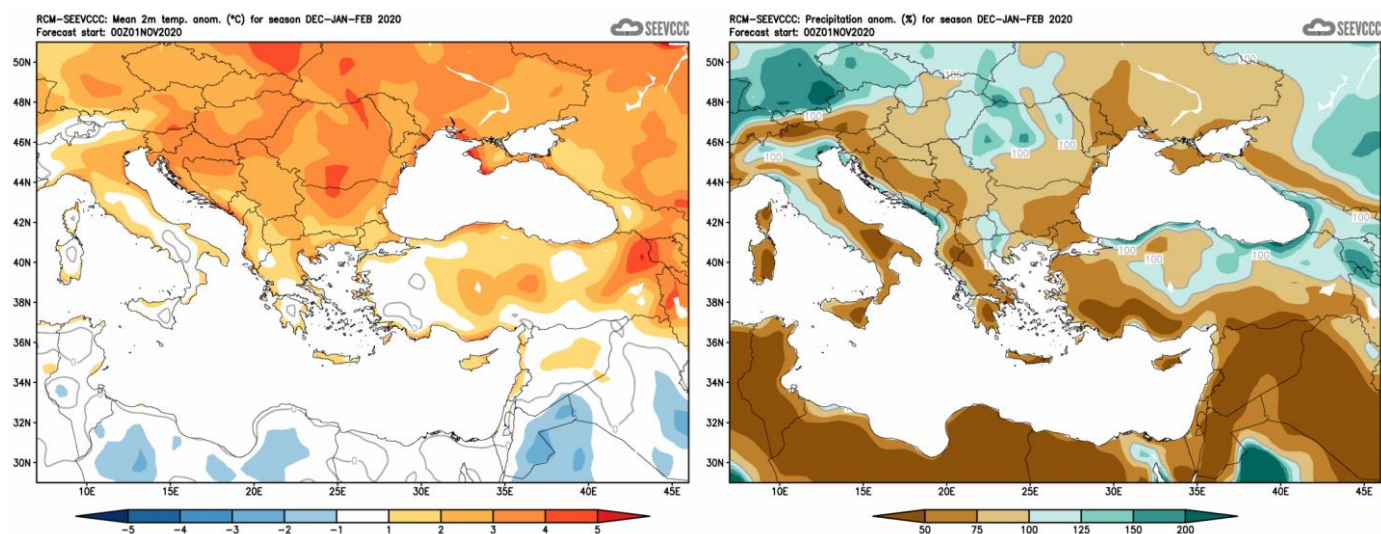


Figure 6. Mean seasonal temperature and precipitation anomaly for the season DJF (seasonal outlook from RCM – SEEVCCC)

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/>)