

Climate Watch (Serial No.: 20211206–49)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing
the statement: SEEVCCC

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Cancelled

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Valid from – to: 06-12-2021 – 28-2-2022 Next amendment: 13-12-2021

Region of concern: **Balkans, Turkey**

„Within the first week (6 to 12 December 2021), ECMWF monthly forecast predicts precipitation surplus for the western and eastern Balkans, as well as southwestern Turkey, with around 80% probability for exceeding upper tercile.“

Monitoring

During the period from 28 November to 4 December 2021, precipitation sums were up to 50 mm in most of the region, except in the Montenegro, Albania and Greece where precipitation totals were up to 100 mm.

Outlook

Within the first week (6 to 12 December 2021), ECMWF monthly forecast predicts above average air temperature for the eastern Balkans, Turkey and South Caucasus with anomaly up to +6°C and around 80% probability for exceeding upper tercile. Precipitation surplus is expected for the western and eastern Balkans, as well as southwestern Turkey, with around 80% probability for exceeding upper tercile. In rest of the region average precipitation is expected.

During the second week (13 to 19 December 2021), above average air temperature is expected in northern and eastern parts of the Balkans as well as in Turkey and South Caucasus, with anomaly up to +3°C and up to 70% probability for exceeding upper tercile. Precipitation deficit is expected for the northern and western Balkans and western Turkey, with around 60% probability for exceeding lower tercile.

During the following three months (December, January and February) seasonal forecast predicts above normal seasonal air temperature for the northern and western parts of Balkans. Precipitation surplus is expected in the Carpathian Mountains, as well as along the coasts of Adriatic and southern Black Sea. Precipitation deficit is predicted for the western and southern Balkans, Cyprus and southern and western Turkey.

Update

An updated statement will be issued on 13-12-2021

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

ANNEX

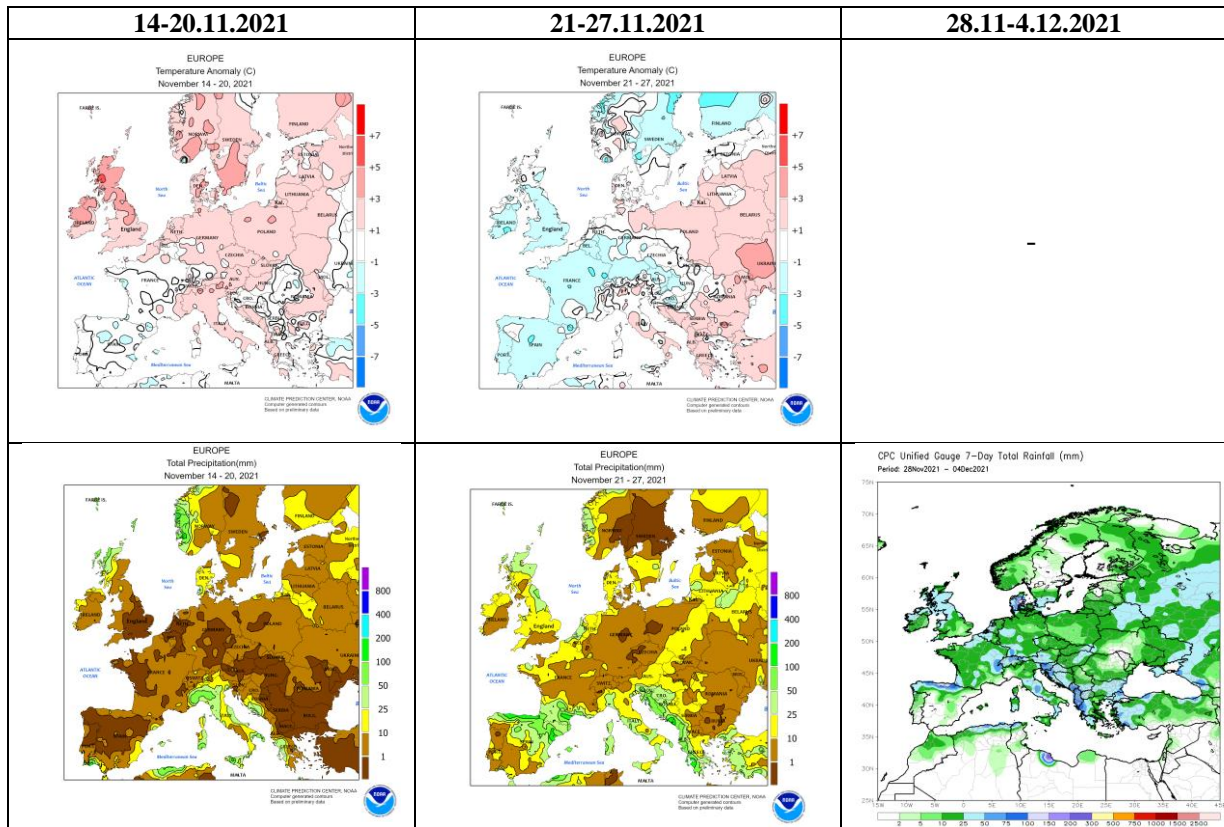


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

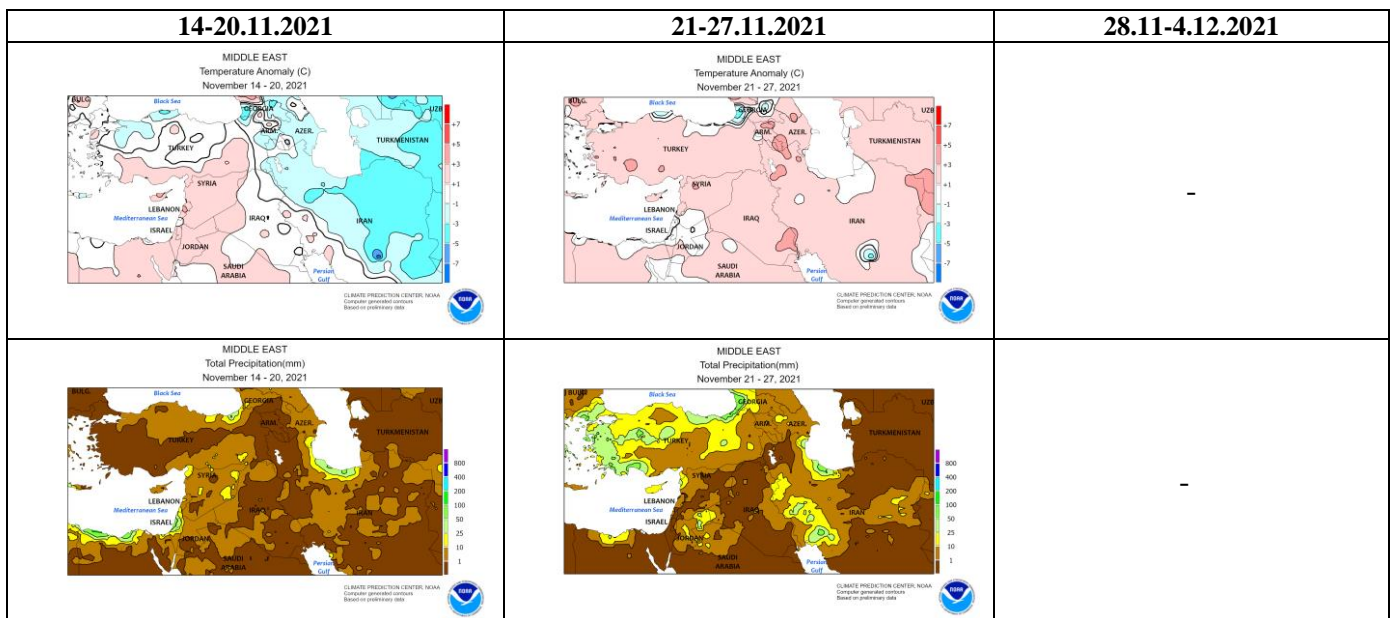


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

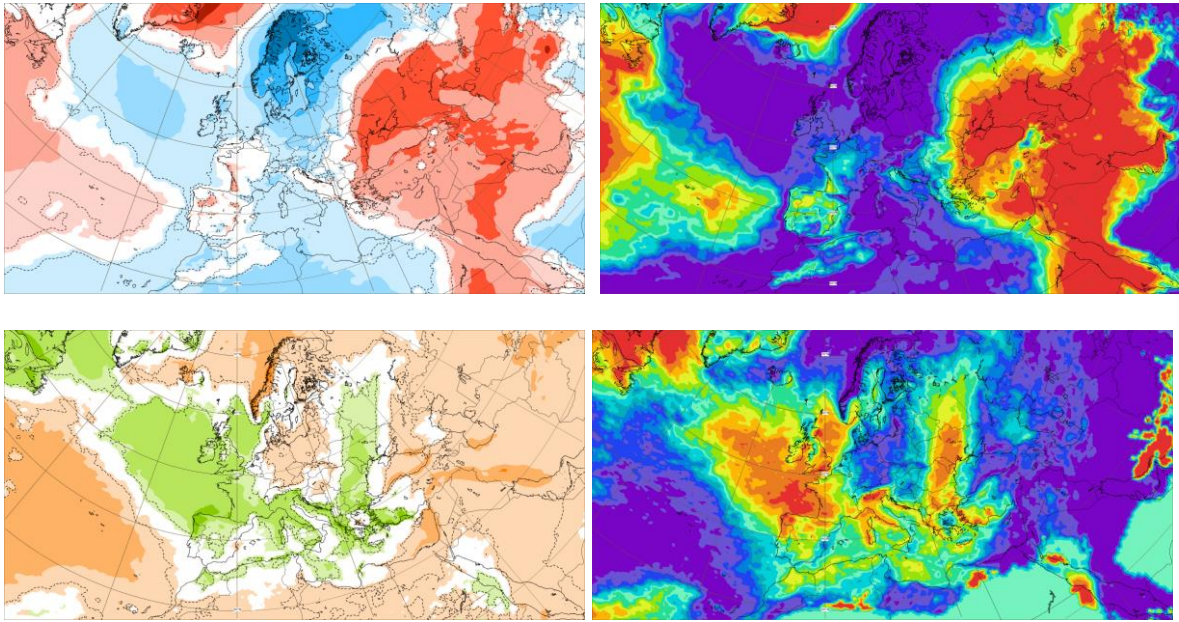


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 6–12.12.2021 period

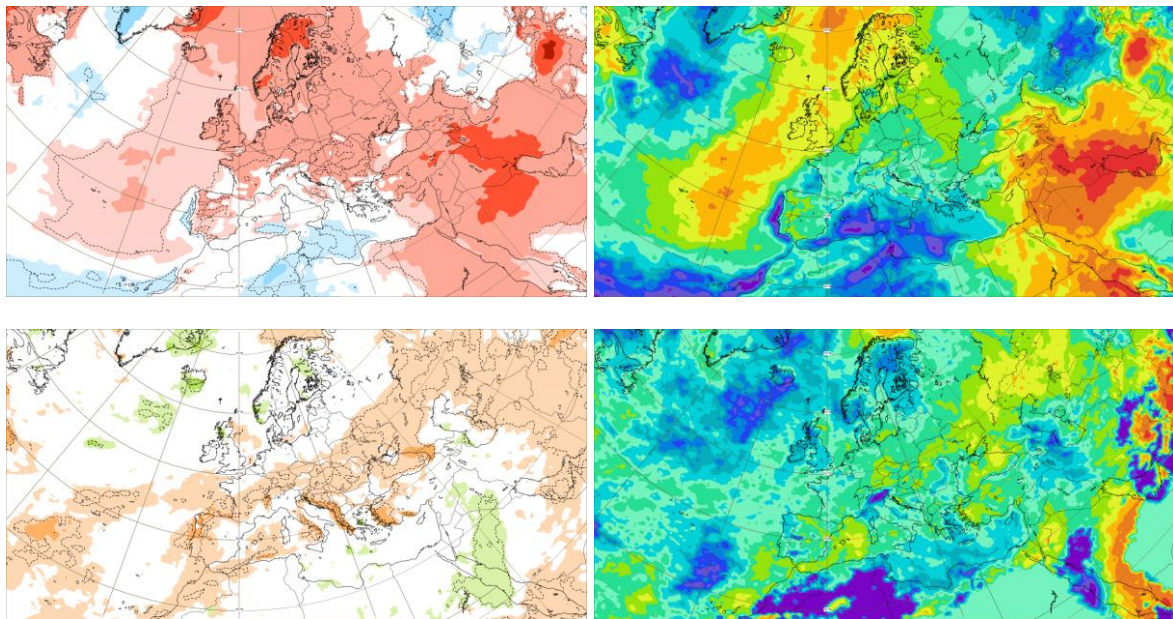


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 13–19.12.2021 period

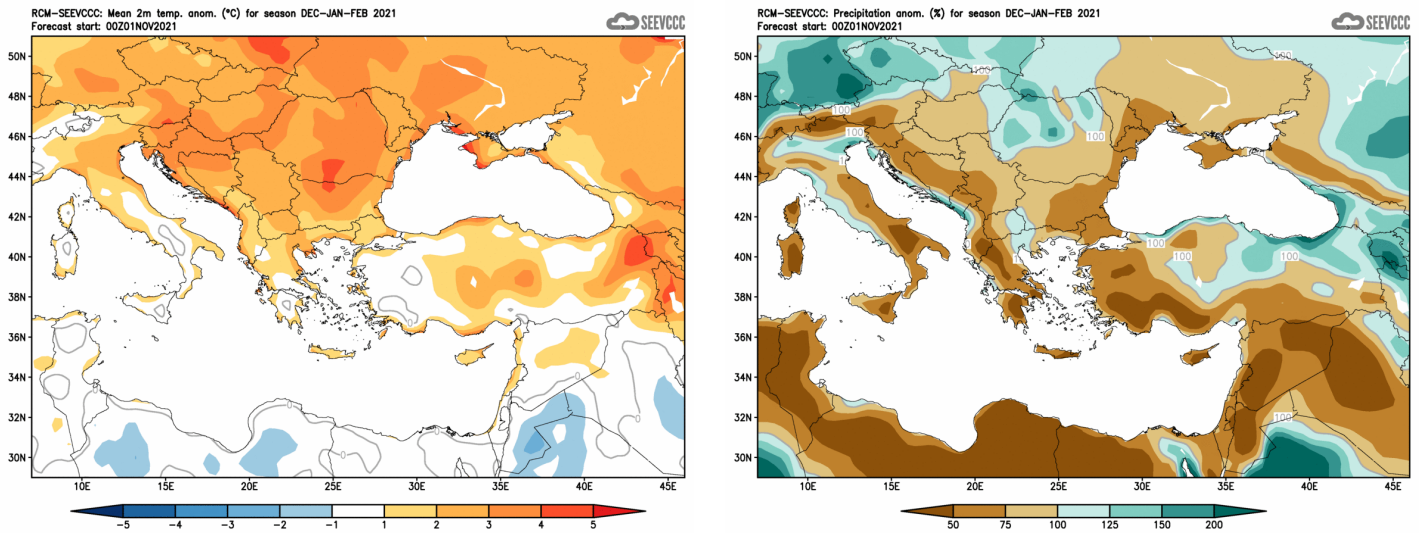


Figure 6. Mean seasonal temperature and precipitation anomaly for the season DJF (seasonal outlook from RCM – SEEVCCC)

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/>)