Climate Watch (Serial No.: 20241125–48)

Initial/Updated/Final

Topic: **temperature** and **precipitation**
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 25-11-2024 16:00

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Valid from – to: 25-11-2024 – 31-1-2025 Next amendment: 2-12-2024

Region of concern: **SEE**

„ Within the first week (25 November to 1 December 2024), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly –3 °C in eastern parts of the Balkans, ewaching up to -10 °C in Turkey. Probability for exceeding lower tercile (bottom third of the lowest temperature) is up to 90%. Precipitation surplus is predicted for most of Romania, Moldova, western parts of Ukraine, northern parts of Turkey an South Caucasus, with up to 90% probability for exceeding upper tercile (upper third of the highest precipitation). Precipitation deficit is predicted for the western and southern Balkans and western and southern Turkey, with around 80% probability for exceeding lower tercile (bottom third of the lowest precipitation). “

Monitoring

During the period from 17 to 23 November 2024, weekly precipitation sums were as follows: around 100 mm was registered in some parts of western Balkans and southern Turkey, around 50 mm in central Balkans, western Turkey and Carpathian Mountains, up to 50 mm in parts of Moldova and Ukraine, while rest of the region received less than 25 mm.

Outlook

Within the first week (25 November to 1 December 2024), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly –3 °C in eastern parts of the Balkans, reaching up to -10 °C in Turkey. Probability for exceeding lower tercile (bottom third of the lowest temperature) is up to 90%. Precipitation surplus is predicted for most of Romania, Moldova, western parts of Ukraine, northern parts of Turkey an South Caucasus, with up to 90% probability for exceeding upper tercile (upper third of the highest precipitation). Precipitation deficit is predicted for the western and southern Balkans and western and southern Turkey, with around 80% probability for exceeding lower tercile (bottom third of the lowest precipitation).

During the second week (2 to 8 December 2024), below average mean weekly air temperature, with anomaly up to –3 °C, is forecasted for most of the region, with around 70% probability for exceeding lower tercile (bottom third of the lowest temperature). Precipitation deficit is predicted for most of the Balkans and parts of western and southern Turkey, with around 60% probability for exceeding lower tercile (bottom third of the lowest precipitation).

During the following three months (December, January and February), seasonal forecast predicts above average seasonal air temperature in most of the SEECOF region, beside central Turkey, Armenia and Azerbaijan. Precipitation deficit is forecasted for southeastern Turkey and Middle East.

Update

An updated statement will be issued on 2-12-2024

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

ANNEX

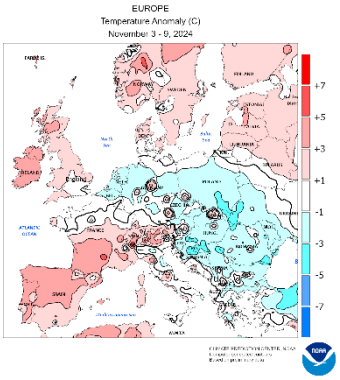
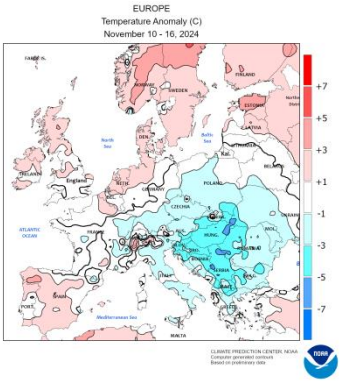
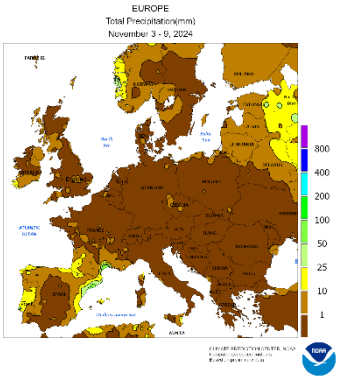
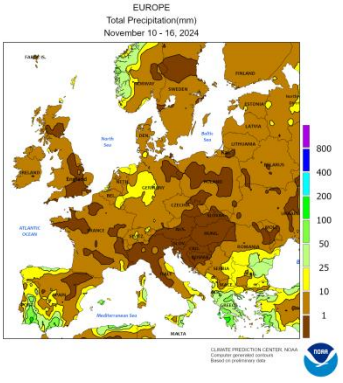
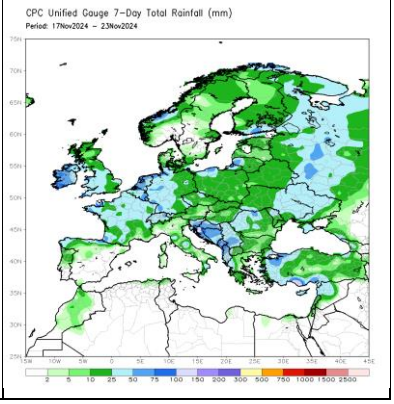
3.11-9.11.2024	10.11-16.11.2024	17.11-23.11.2024
		-
		

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

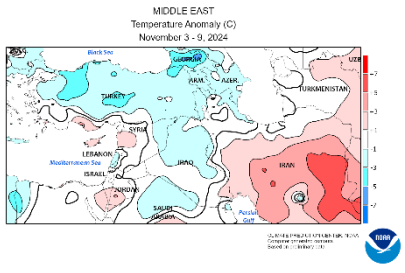
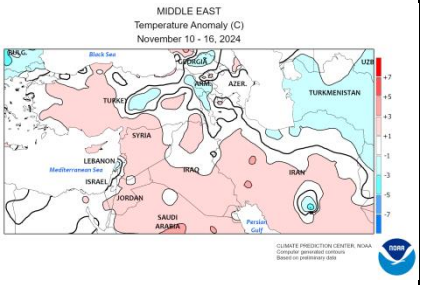
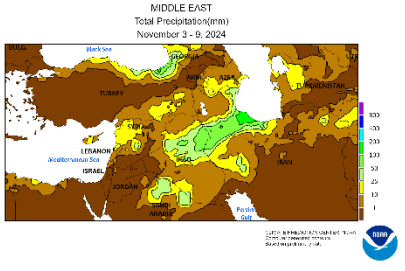
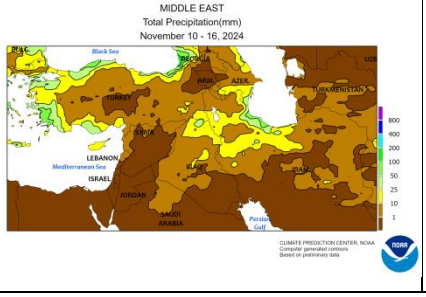
3.11-9.11.2024	10.11-16.11.2024	-
		-
		-

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

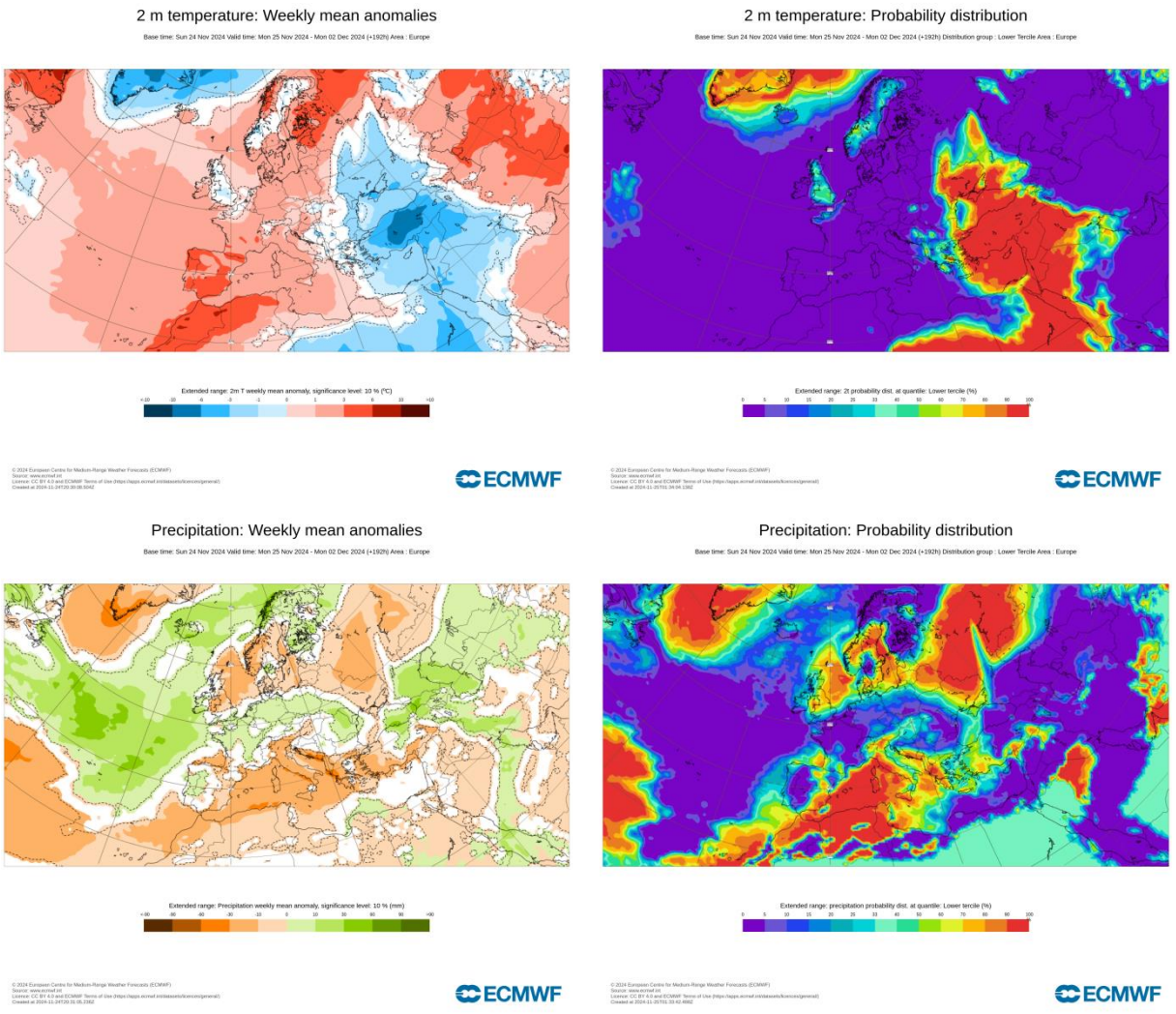


Figure 3. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 25.11–1.12.2024 period (source: European Centre for Medium-Range Weather Forecasts, ECMWF)

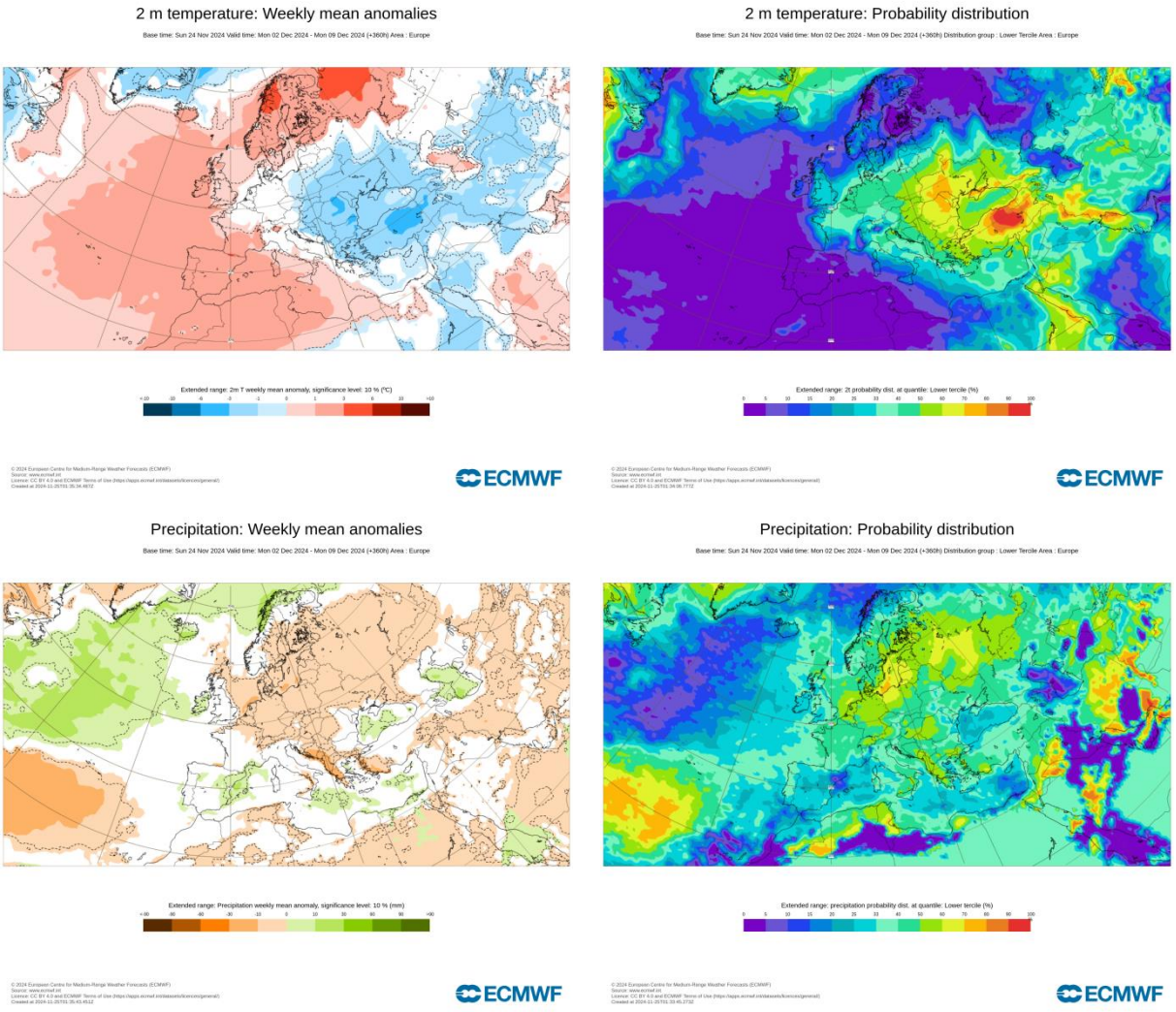


Figure 4. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 2.12–8.12.2024 period (source: ECMWF)

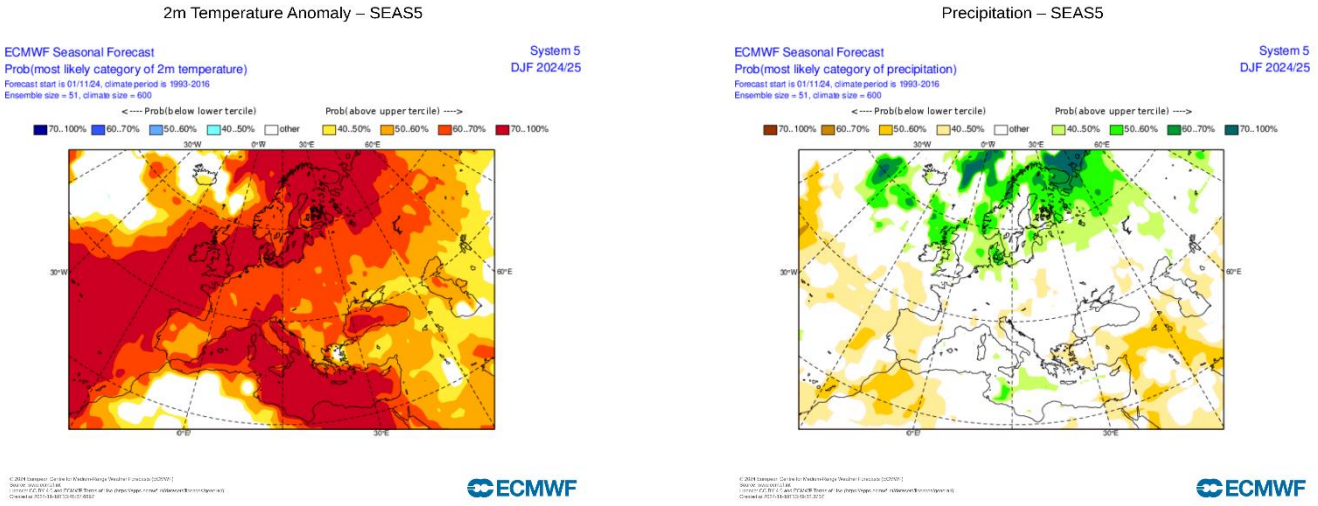


Figure 5. Mean seasonal air temperature and precipitation anomaly probabilities for the season DJF (source: ECMWF)

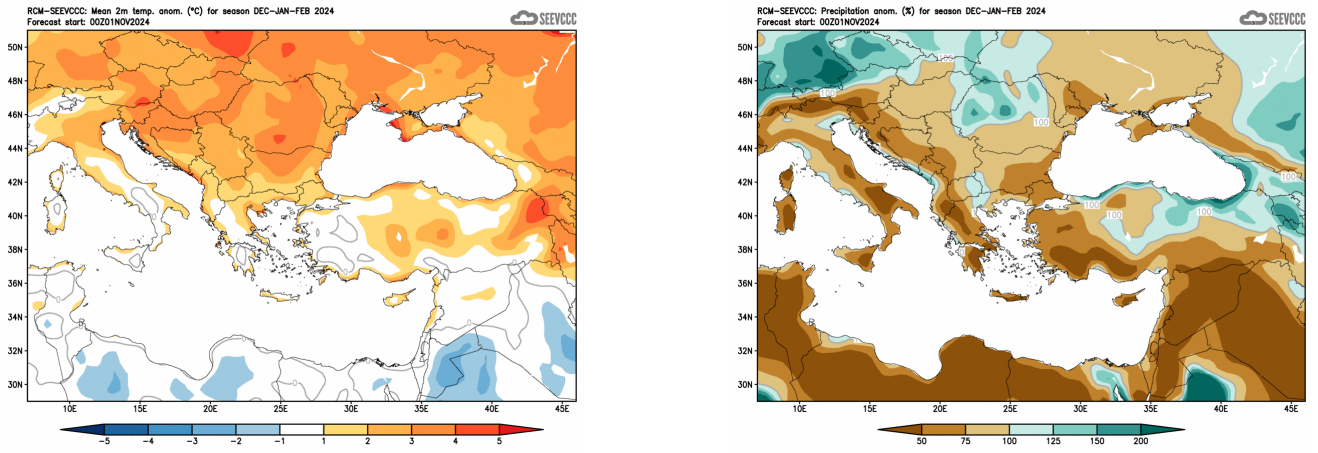


Figure 6. Mean seasonal temperature and precipitation anomaly for the season DJF (seasonal outlook from RCM – SEEVCCC)

Sources

- Republic Hydrometeorological Service of Serbia (www.hidmet.gov.rs)
- South East European Virtual Climate Change Center (www.seevccc.rs)
- European Centre 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)