Climate Watch (Serial No.: 20201228 – 52)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 28-12-2020 12:00 P.M.

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Valid from – to: 28-12-2020 – 31-3-2021 Next amendment: 4-1-2021

Region of concern: **the Balkans and Carpathians**

„Within the period from December 28th to January 10th 2021, ECMWF monthly forecast predicts precipitation surplus for the western Balkans and Carpathians, with probability around 90% during the first week and around 70% during the second week for exceeding upper tercile."

Monitoring

During the period from December 20th to 26th 2020, precipitation sums were below 25 mm in most parts of the SEE region. In the western Balkans, eastern Ukraine and Jordan weekly precipitation totals reached up to 50 mm, while at some locations along the Adriatic Sea and northeastern Turkey they exceeded 50 mm.

Outlook

Within the first week (December 28th 2020 to January 3rd 2021), ECMWF monthly forecast predicts above average temperature for almost the entire SEE region, with anomaly reaching up to +6°C. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is forecasted for the western Balkans and Carpathians, with around 90% probability for exceeding upper tercile.

During the second week (January 4th to 10th 2021), above average temperature is predicted for the entire SEE region, with anomaly reaching up to +5°C and probability for exceeding upper tercile ranging from 60% in the western Balkans up to 90% in southern and eastern parts of the SEE region. Precipitation surplus is expected in the western and eastern Balkans, as well as along the northern coasts of the Aegean Sea, with around 70% probability for exceeding upper tercile.

In the period from December 28th 2020 to January 24th 2021, above average temperature is predicted for the entire SEE region, with anomaly reaching up to +5°C in central Turkey and up to 90% probability for exceeding upper tercile. Precipitation surplus is forecasted for the western Balkans and Carpathians, with probability around 90% in the western Balkans and around 70% in the Carpathians for exceeding upper tercile.

During the following three months (January, February and March) seasonal forecast predicts above normal seasonal air temperature for most of the region, while in parts of Turkey and southern Balkans average temperature is forecasted. Precipitation surplus is expected for northern Turkey and Carpathian region. Precipitation deficit is predicted for the southern Balkans and southern Turkey. Average seasonal precipitation sums are expected in rest of the region.

Update

An updated statement will be issued on 4-1-2021

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

ANNEX

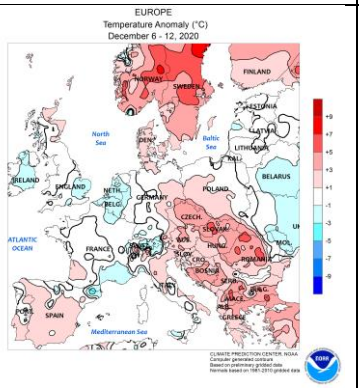
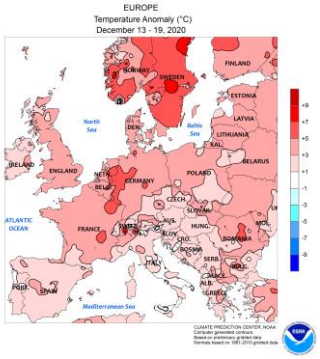
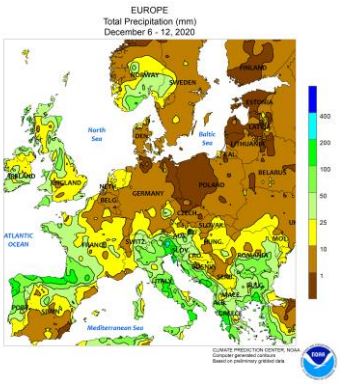
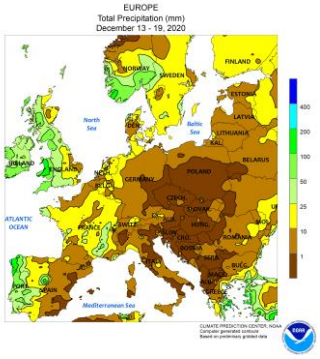
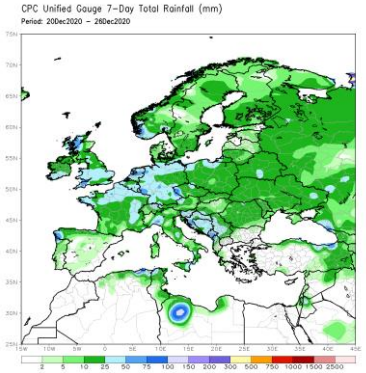
6.12-12.12.2020	13.12-19.12.2020	20.12-26.12.2020
		-
		

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

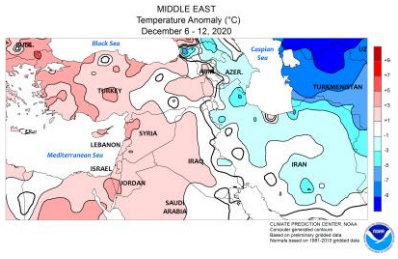
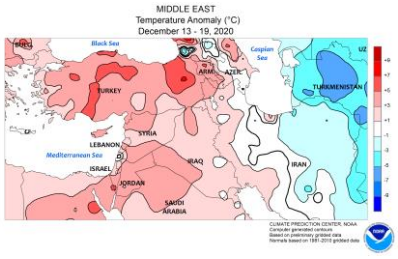
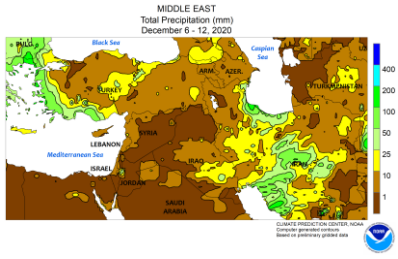
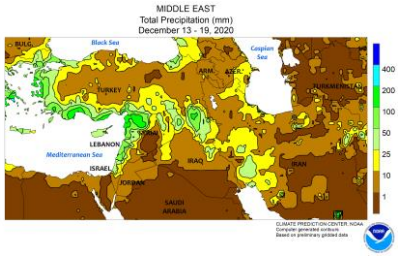
6.12-12.12.2020	13.12-19.12.2020	
		-
		-

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

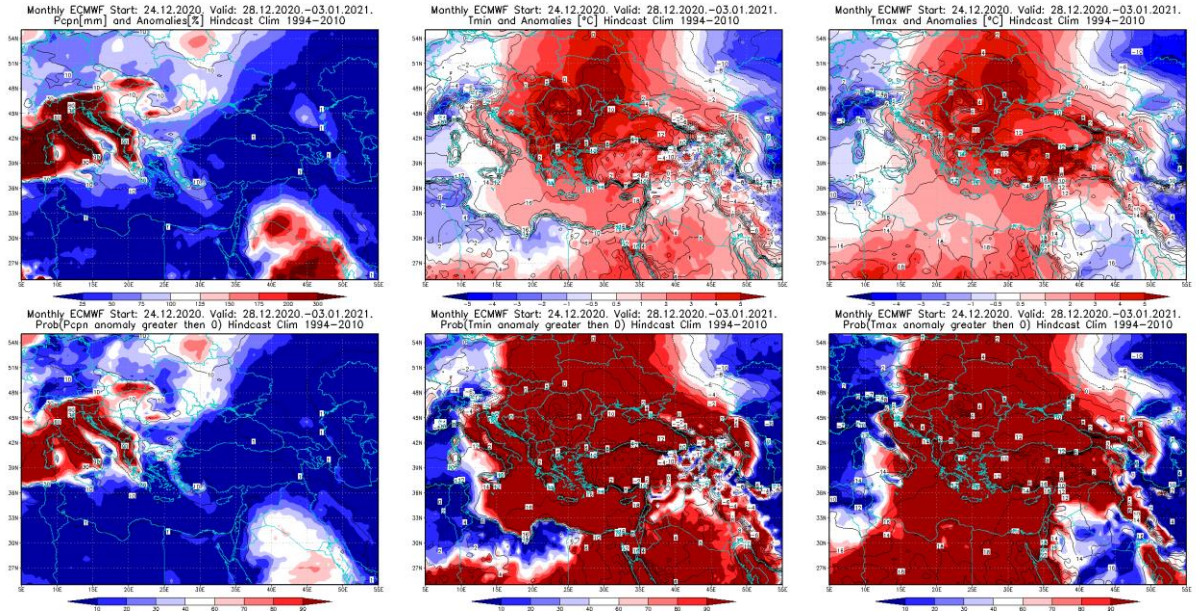


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 28.12.2020–3.1.2021 period

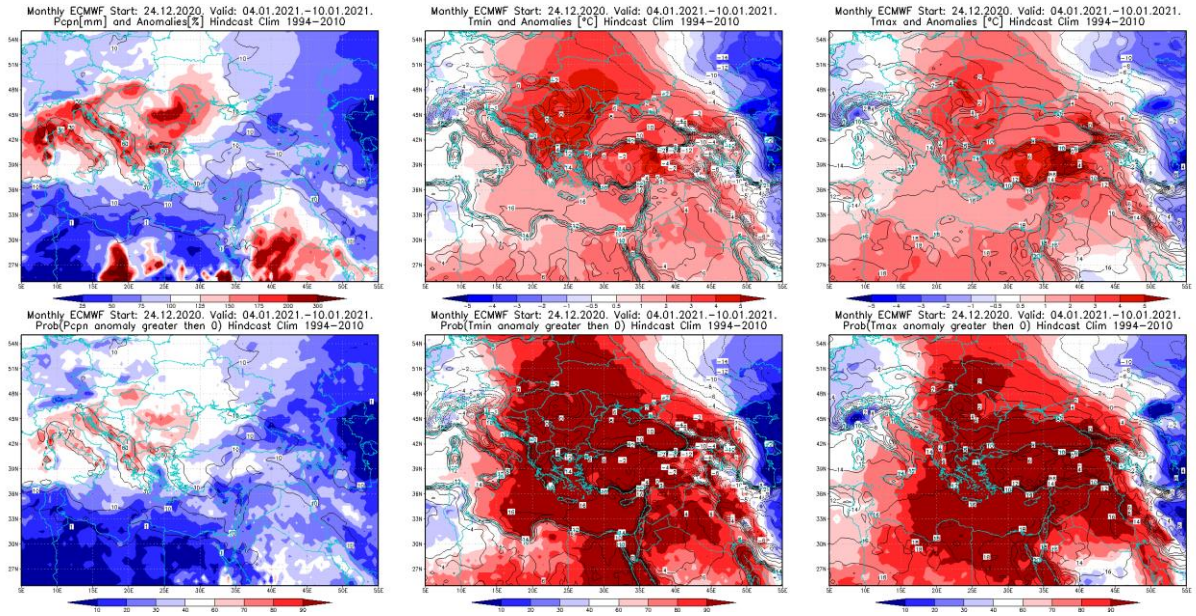


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 4.1–10.1.2021 period

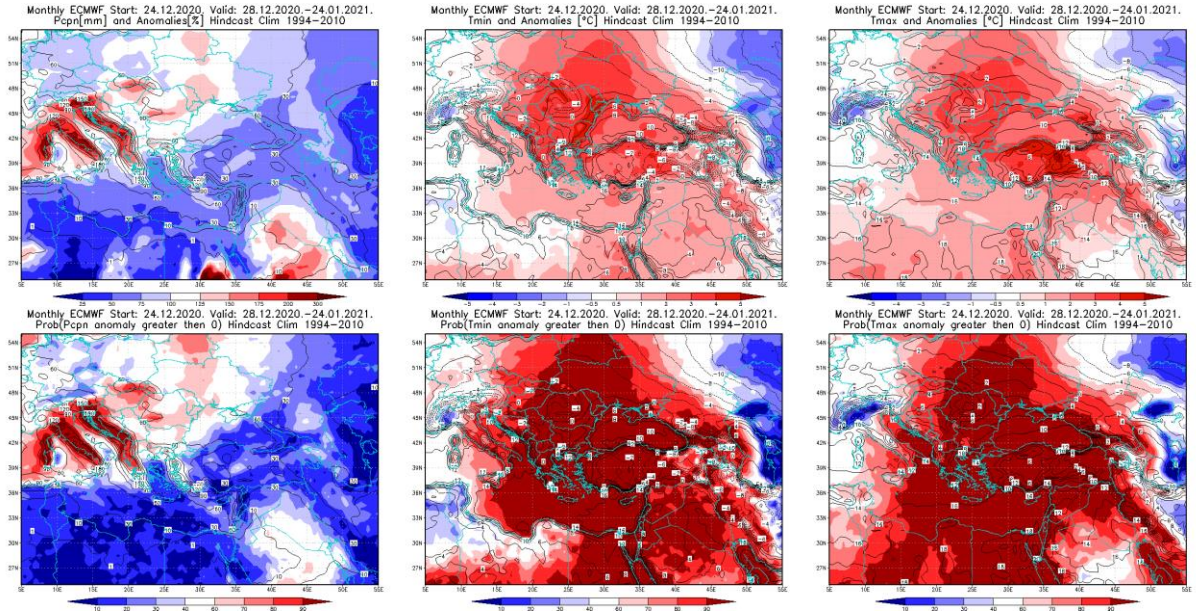


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 28.12.2020–24.1.2021 period

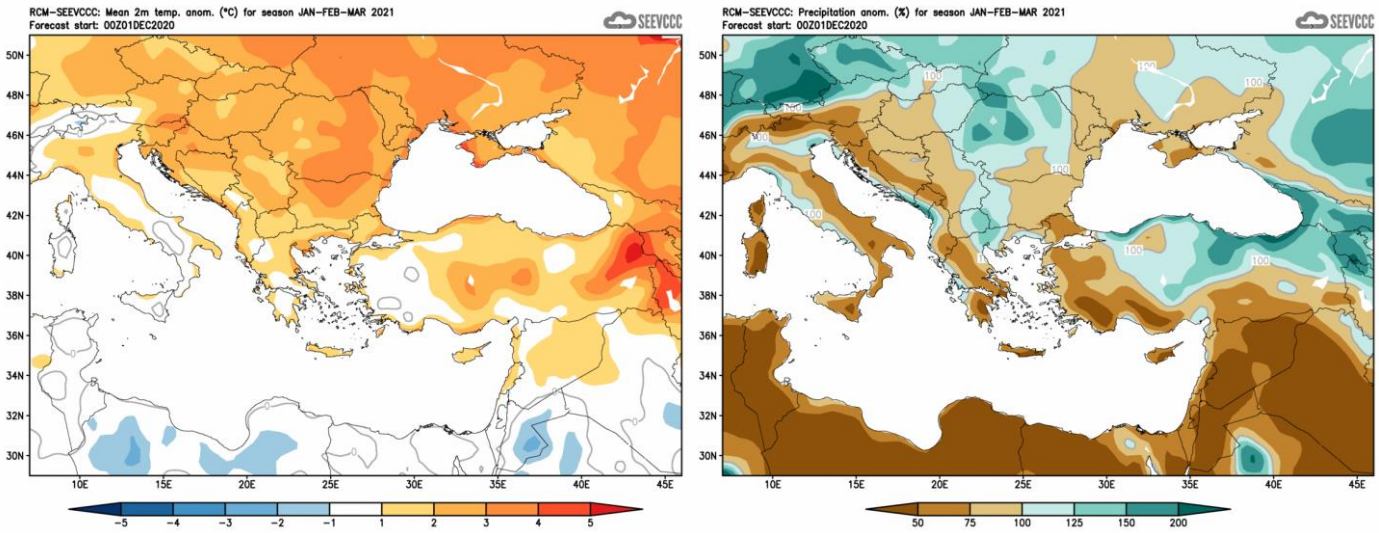


Figure 6. Mean seasonal temperature and precipitation anomaly for the season JFM (seasonal outlook from RCM – SEEVCCC)

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/)