Climate Watch (Serial No.: 20210208 – 06)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 8-2-2021 16:00 P.M.

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Valid from – to: 8-2-2021 – 30-4-2021 Next amendment: 15-2-2021

Region of concern: **SEE**

„Within the first week (February 8th to 14th 2021), ECMWF monthly forecast predicts above normal mean weekly air temperature for the entire SEE region, with anomaly surpassing +5°C and up to 90% probability for exceeding upper tercile. Precipitation surplus is forecasted for Ukraine, northern Balkans and along the Adriatic with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for Ionian Sea and Turkey with up to 80% probability for exceeding lower tercile."

Monitoring

During the period from January 31st to February 6th 2021, precipitation sums reached up to 75 mm in Montenegro and up to 100 mm in western Turkey. In rest of the region precipitation sums were mostly below 25 mm.

Outlook

Within the first week (February 8th to 14th 2021), ECMWF monthly forecast predicts above normal mean weekly air temperature for the entire SEE region, with anomaly surpassing +5°C and up to 90% probability for exceeding upper tercile. Precipitation surplus is forecasted for Ukraine, northern Balkans and along the Adriatic with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for Ionian Sea and Turkey with up to 80% probability for exceeding lower tercile.

During the second week (February 15th to 21st 2021), above average temperature is predicted for the Balkans, Turkey and South Caucasus, with anomaly ranging from +2°C up to +4°C and up to 60% probability for exceeding upper tercile. Average precipitation sums are predicted for most of the region.

In the period from February 8th to March 7th 2021, above average temperature is predicted for the entire SEE region, with anomaly reaching up to +3°C. Probability for exceeding upper tercile is up to 70%. Precipitation surplus is expected in northern Ukraine and along Adriatic, with up to 70% probability for exceeding upper tercile. In rest of the region average precipitation sums are expected.

During the following three months (February, March and April) seasonal forecast predicts above normal seasonal air temperature for Ukraine, most of the Balkans, central and eastern parts of Turkey and South Caucasus region. Precipitation surplus is expected for Adriatic Sea coast, northern Turkey, Carpathian and South Caucasus region. Precipitation deficit is predicted for the southernmost Balkans, Cyprus and southern Turkey. Average seasonal precipitation sums are expected in rest of the region.

Update

An updated statement will be issued on 15-2-2021

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

ANNEX

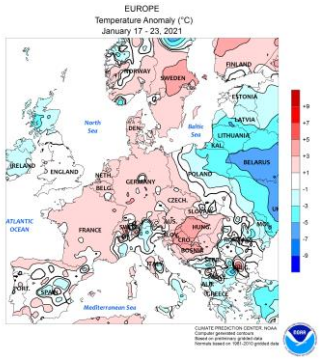
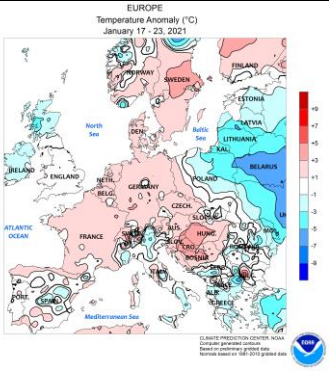
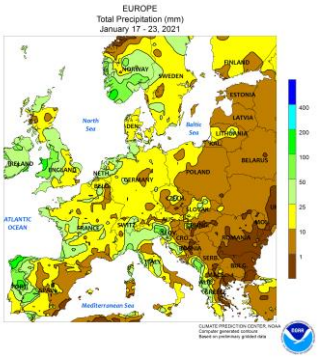
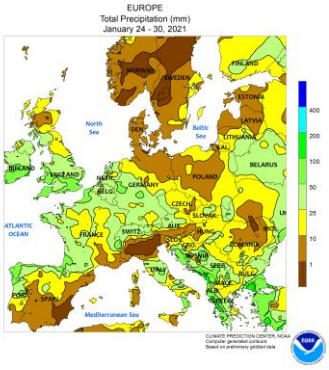
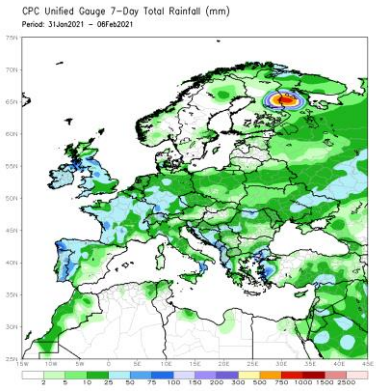
17.1-23.1.2021	24.1-30.1.2021	31.1-6.2.2021
		-
		

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

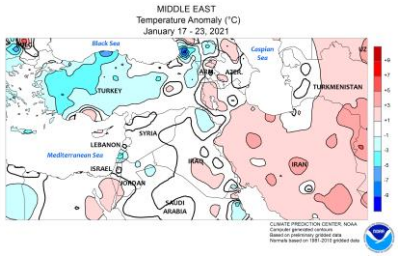
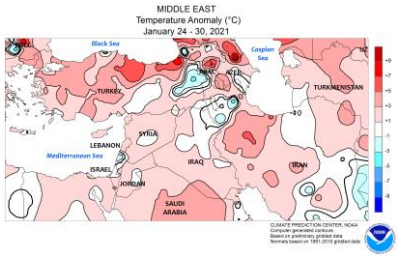
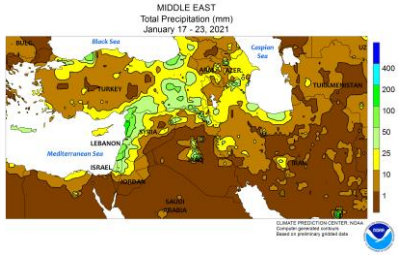
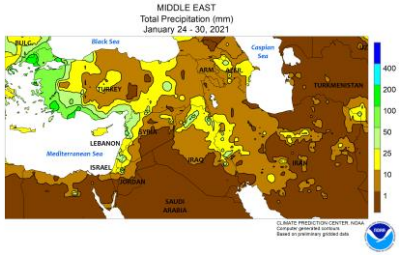
17.1-23.1.2021	24.1-30.1.2021	31.1-6.2.2021
		-
		-

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

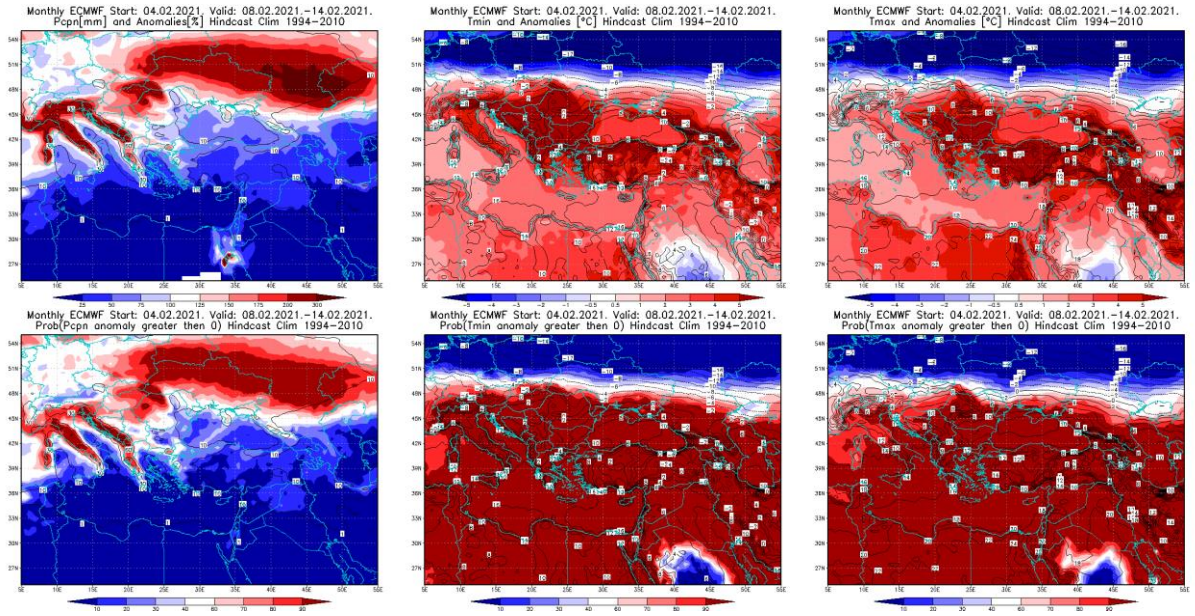


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 8.2–14.2.2021 period

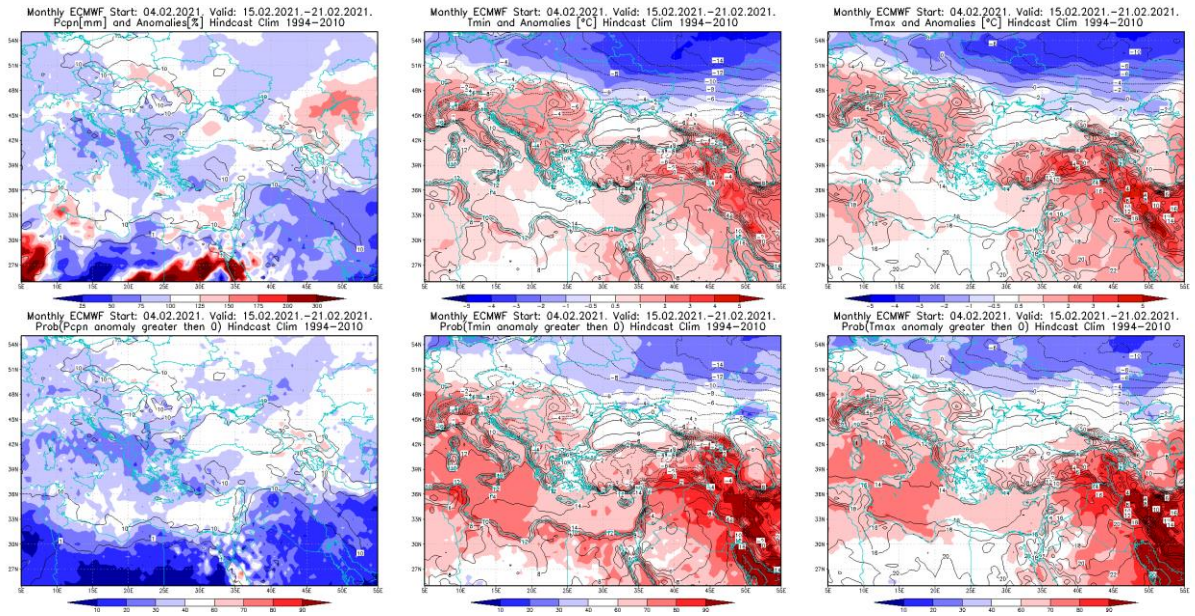


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 15.2–21.2.2021 period

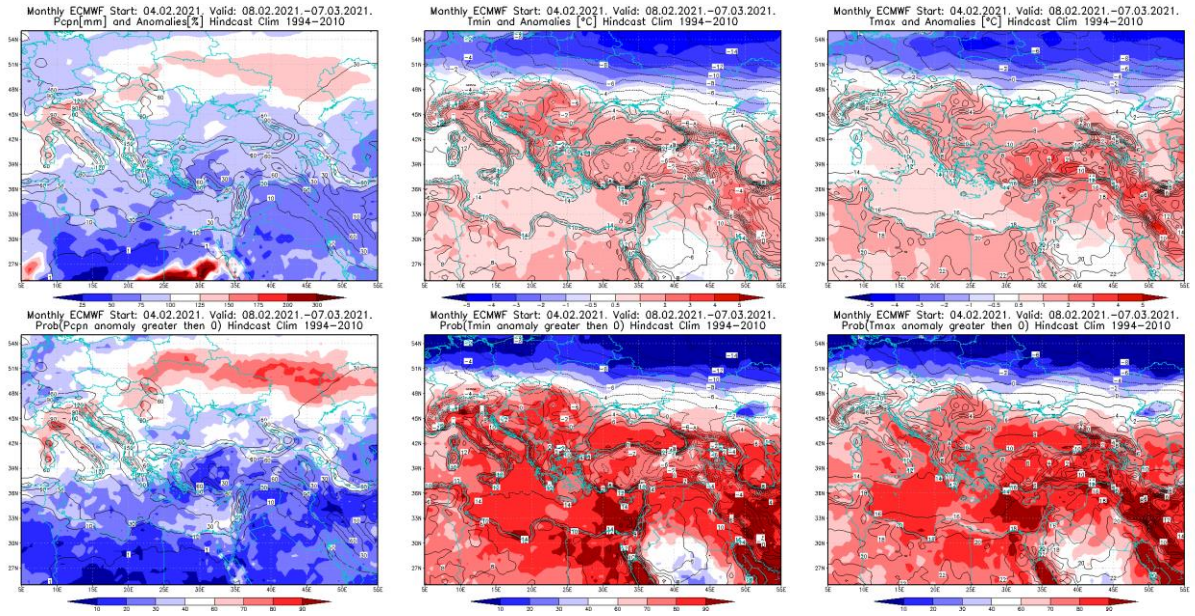


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 8.2–7.3.2021 period

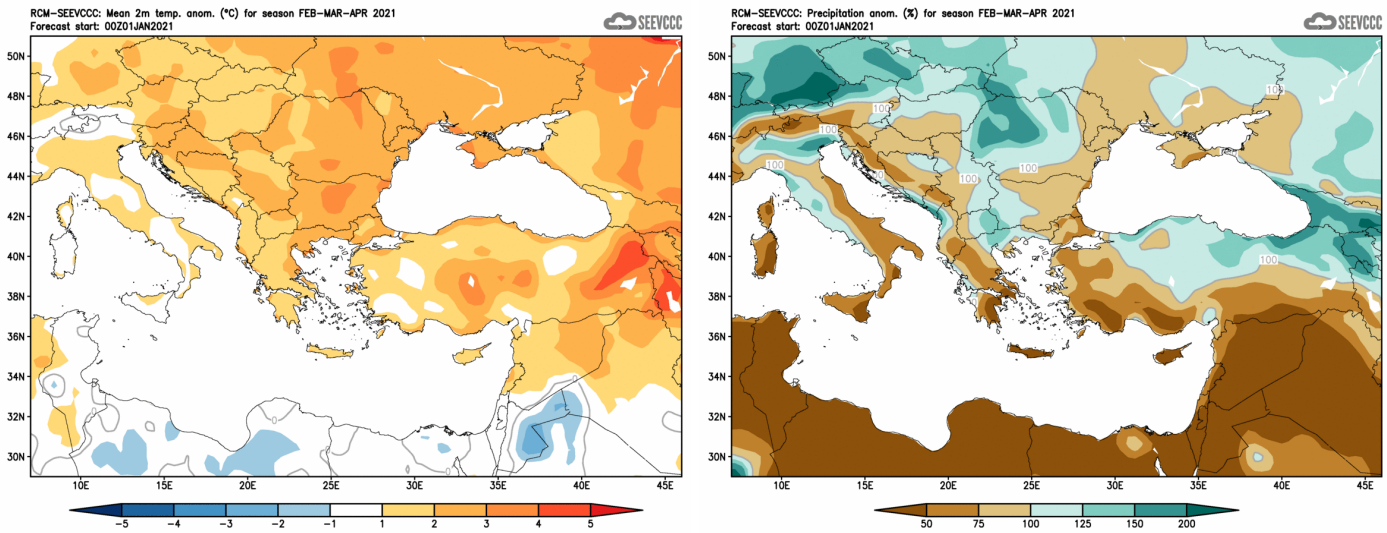


Figure 6. Mean seasonal temperature and precipitation anomaly for the season FMA (seasonal outlook from RCM – SEEVCCC)

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/)