Climate Watch (Serial No.: 20210118 – 03)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 18-1-2021 12:00 P.M.

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Valid from – to: 18-1-2021 – 31-3-2021 Next amendment: 1-2-2021

Region of concern: **SEE region**

„Within the period from January 25th to 31th 2021, ECMWF monthly forecast predicts precipitation surplus in most of the Balkans, Ukraine and Turkey, with probability for exceeding upper tercile around 80%."

Monitoring

During the period from January10th to 16th 2021, precipitation sums were up to 100 mm in the southern and eastern Balkans, western and central Turkey. In southern Serbia and Northern Macedonia weekly precipitation totals reached up to 200 mm.

Outlook

Within the first week (January 18th to 24th 2021), ECMWF monthly forecast predicts below normal mean weekly air temperature for the southern Balkans, Carpathian region, Turkey and South Caucasus, with anomaly from -3°C in the southern Balkans to up to -6°C in northern Turkey. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is forecasted for Adriatic coast, eastern Turkey and South Caucasus, with up to 80% probability for exceeding upper tercile. Precipitation deficit is expected for most of the Balkans and Turkey, with around 70% probability for exceeding lower tercile.

During the second week (January 25th to 31st 2021), above average temperature is predicted for the entire region, with anomaly reaching up to +4°C, and around 80% for exceeding upper tercile. Precipitation surplus is expected in most of the Balkans, Ukraine and Turkey, with probability for exceeding upper tercile around 80%.

In the period from January 18th to February 14th 2021, above average temperature is predicted for most of the region, with anomaly reaching around +2°C and probability around 60% for exceeding upper tercile. Precipitation surplus is forecasted for the northern and western Balkans, with probability up to 80% for exceeding upper tercile. In rest of the region average precipitation sums are expected.

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 1-2-2021

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

ANNEX

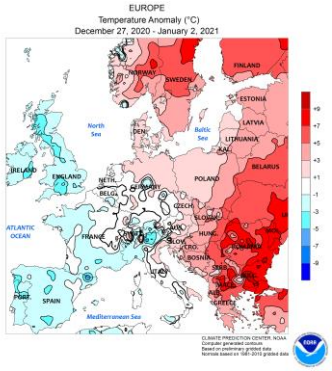
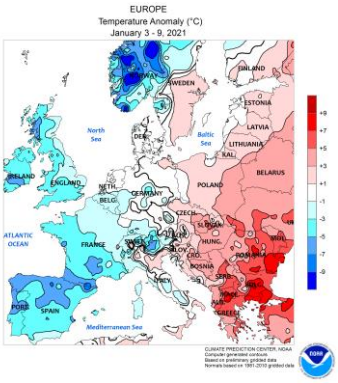
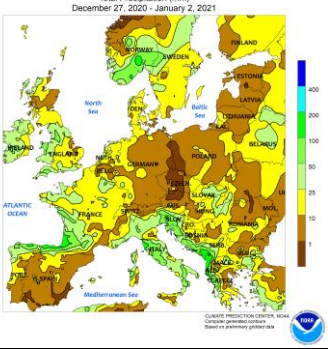
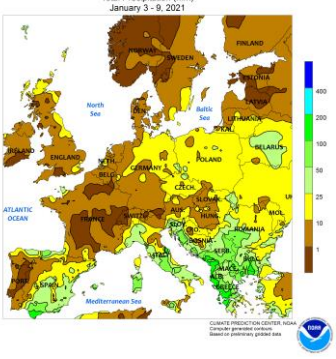
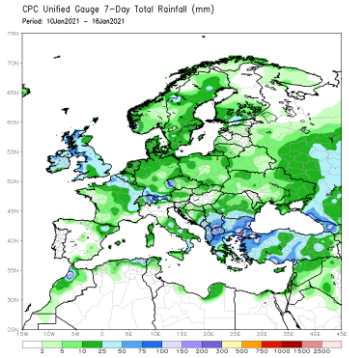
27.12.2020-2.1.2021	3.1-9.1.2021	10.1-16.1.2021
		-
		

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

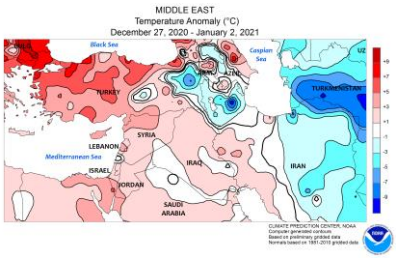
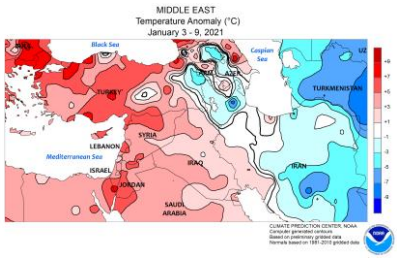
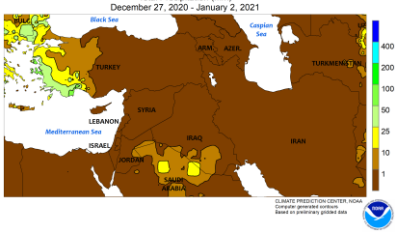
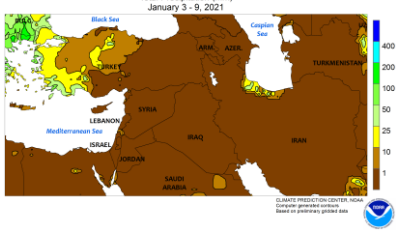
27.12.2020-2.1.2021	3.1-9.1.2021	-
		-
		-

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

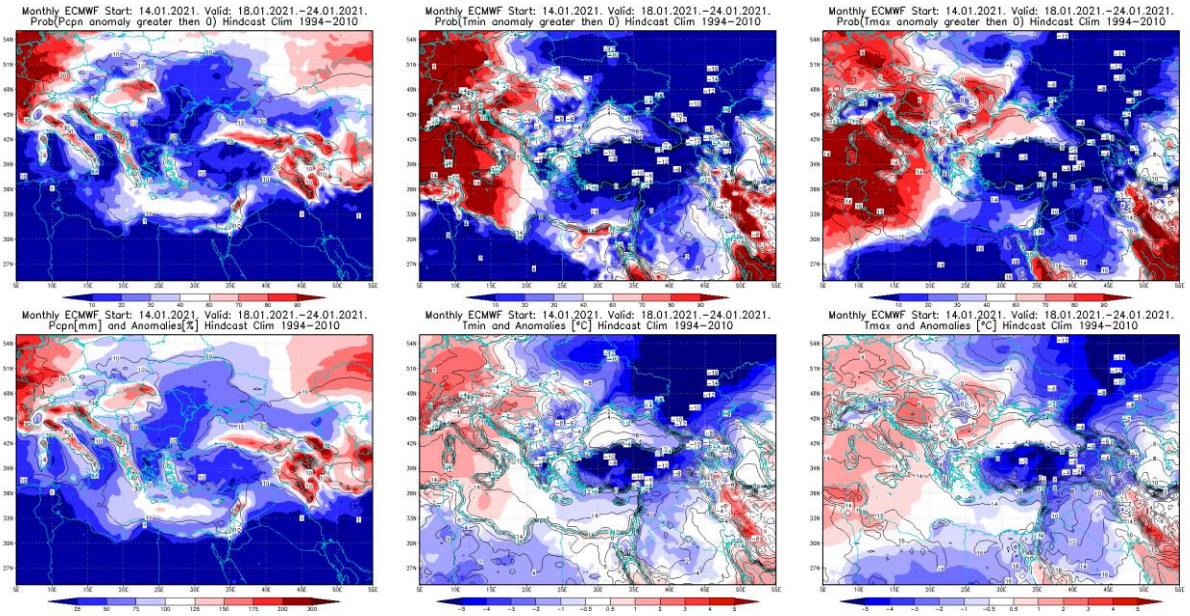


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 18.1–24.1.2021 period

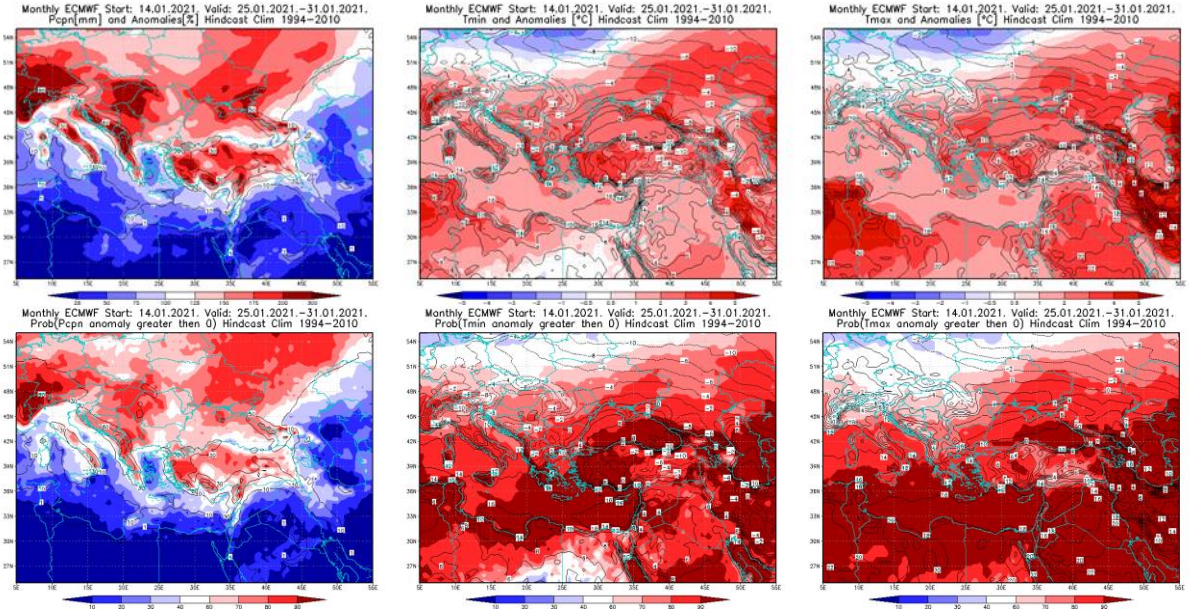


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 25.1–31.1.2021 period

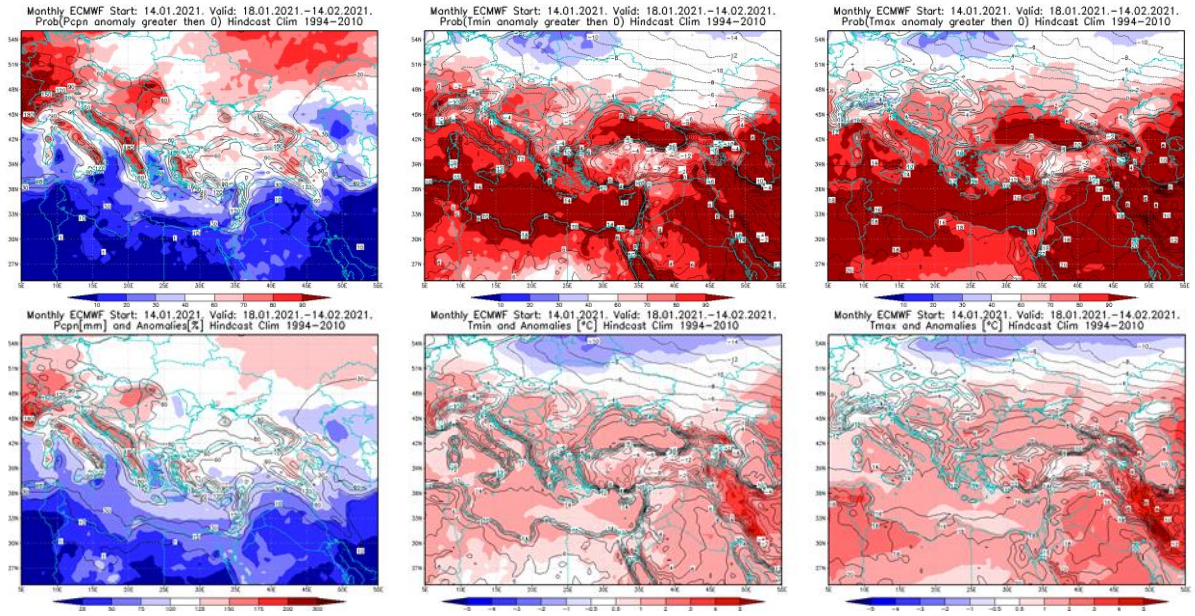


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 18.1–14.2.2021 period

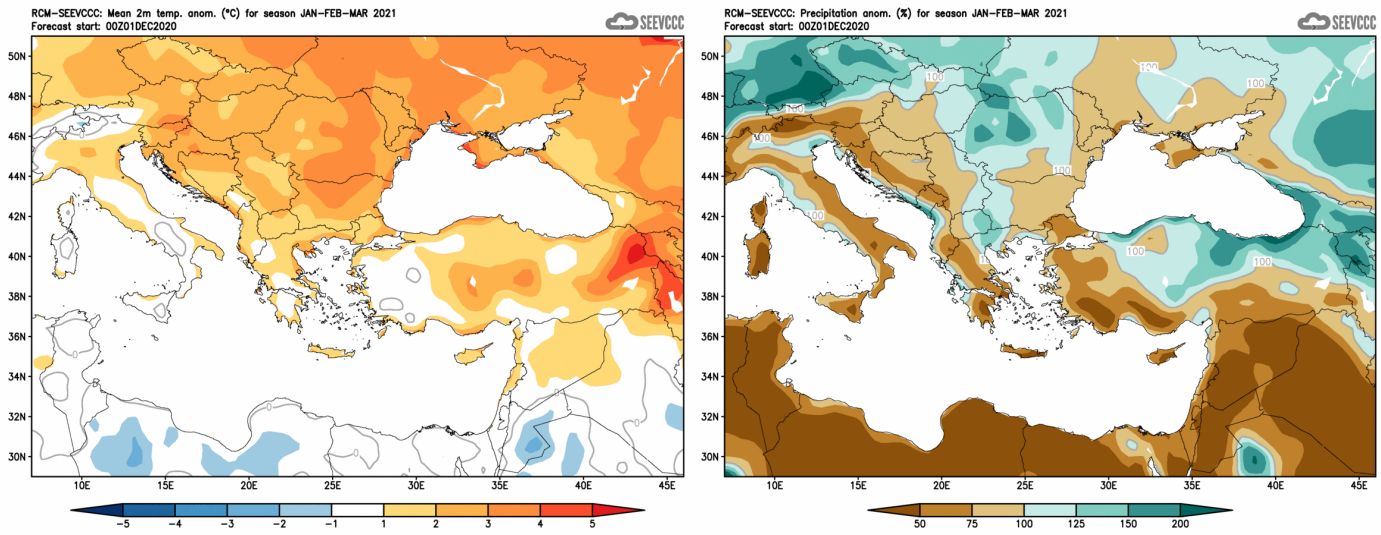


Figure 6. Mean seasonal temperature and precipitation anomaly for the season JFM (seasonal outlook from RCM – SEEVCCC)

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/)