

Climate Watch (Serial No.: 20210215 – 07)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

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Cancelled

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Valid from – to: 15-2-2021 – 30-4-2021 Next amendment: 22-2-2021

Region of concern: **SEE region – cold wave**
Greece, Cyprus, Turkey, South Caucasus and Middle East – precipitation surplus

„Within the following month (February 15th to March 14th 2021), ECMWF monthly forecast predicts below average temperature for the entire SEE region, with anomaly reaching up to -5°C in Ukraine and central Turkey. Probability for exceeding lower tercile is up to 90% in Ukraine, Moldova, Greece and Turkey. During the first week, from February 15th to 21st, precipitation surplus is forecasted for the Aegean Sea, Cyprus, Turkey, South Caucasus and Middle East, with up to 90% probability for exceeding upper tercile.”

Monitoring

During the period from February 7th to 13th 2021, precipitation sums were mostly below 25 mm, in southeastern Balkans, western Turkey and Georgia they reached up to 50 mm, in western Balkans up to 150 mm whereas northwestern Greece received more than 300 mm of precipitation.

Outlook

Within the first week (February 15th to 21st 2021), ECMWF monthly forecast predicts below normal mean weekly air temperature for almost the entire SEE region, with anomaly surpassing -5°C and more than 90% probability for exceeding lower tercile. Precipitation surplus is forecasted for the Aegean Sea, Cyprus, Turkey, South Caucasus and Middle East, with up to 90% probability for exceeding upper tercile.

During the second week (February 22nd to 28th 2021), below average temperature is predicted for the entire SEE region, with anomaly ranging from -2°C in northwestern Balkans to more than -5°C in Ukraine and Turkey. Probability for exceeding lower tercile is from 60% in northwestern Balkans up to 90% in northern Turkey. Precipitation surplus is predicted for eastern coasts of the Black and Mediterranean Sea, with around 60% probability for exceeding upper tercile.

In the period from February 15th to March 14th 2021, below average temperature is predicted for the entire SEE region, with anomaly reaching up to -5°C in Ukraine and central Turkey. Probability for exceeding lower tercile is up to 90% in Ukraine, Moldova, Greece and Turkey. Precipitation surplus is expected over the Aegean, Black and east Mediterranean Sea, with up to 80% probability for exceeding upper tercile.

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 22-2-2021

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

ANNEX

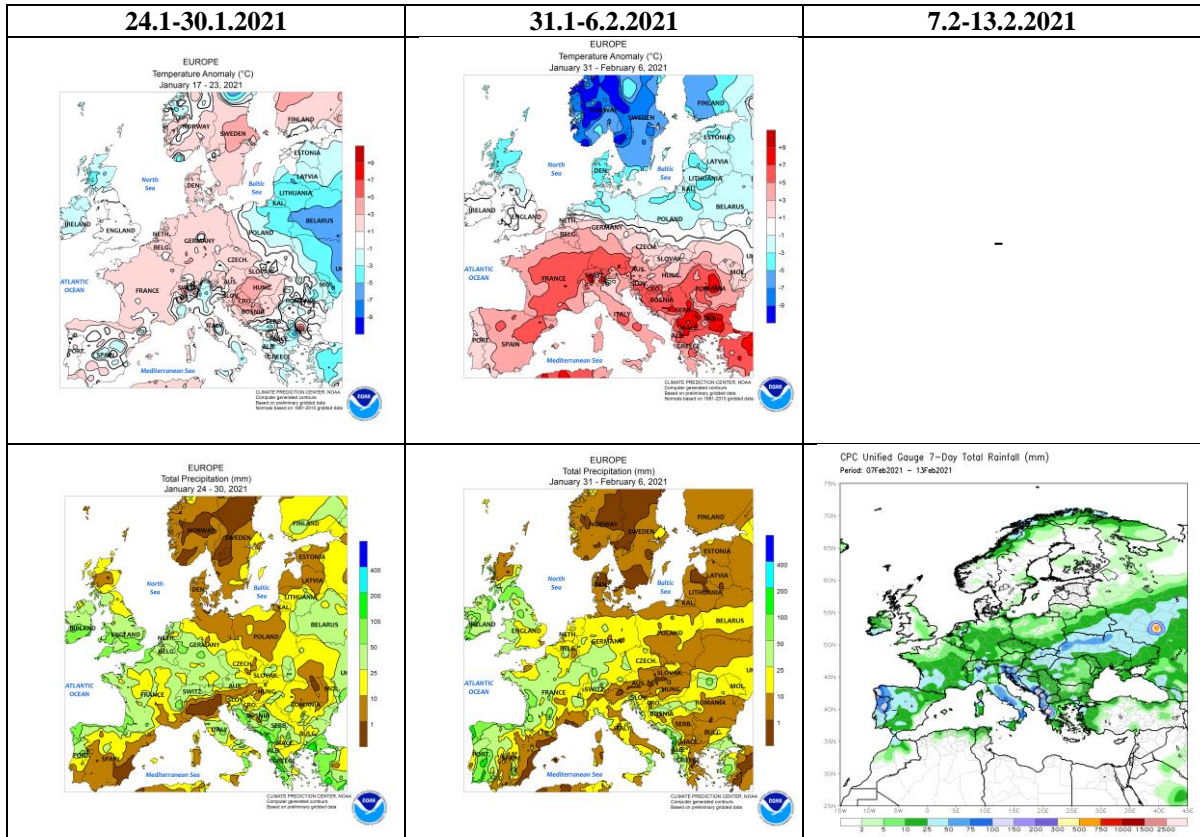


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

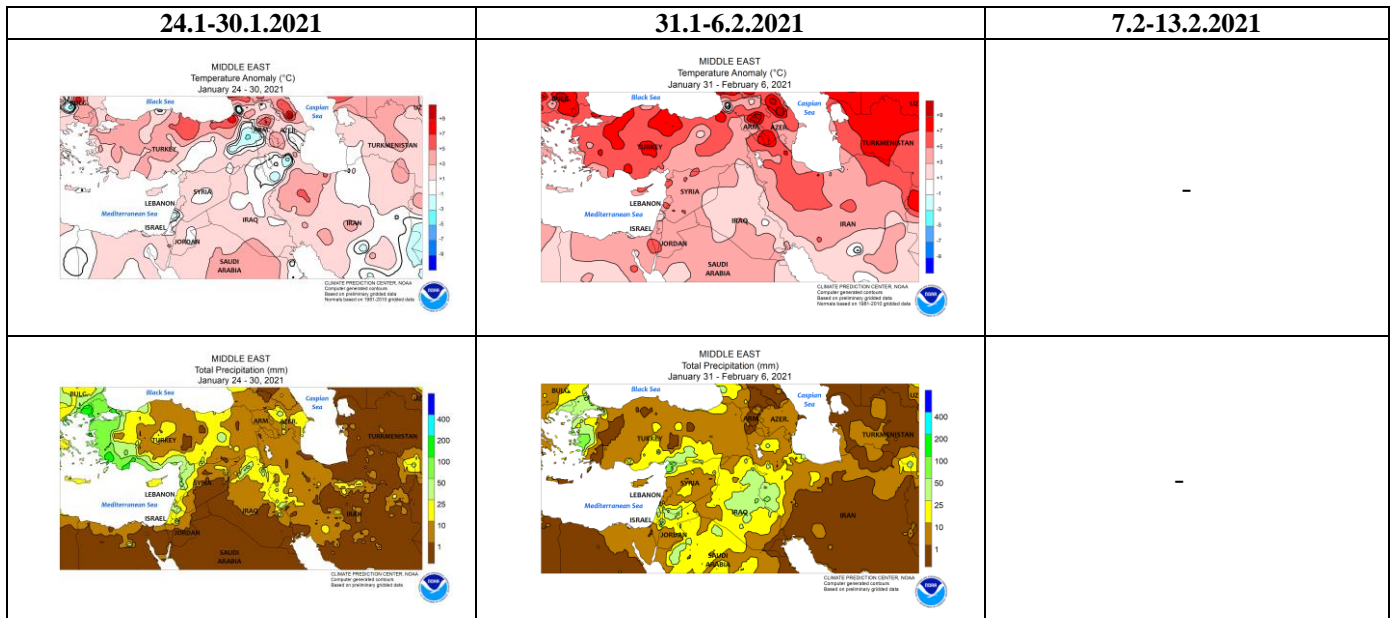


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

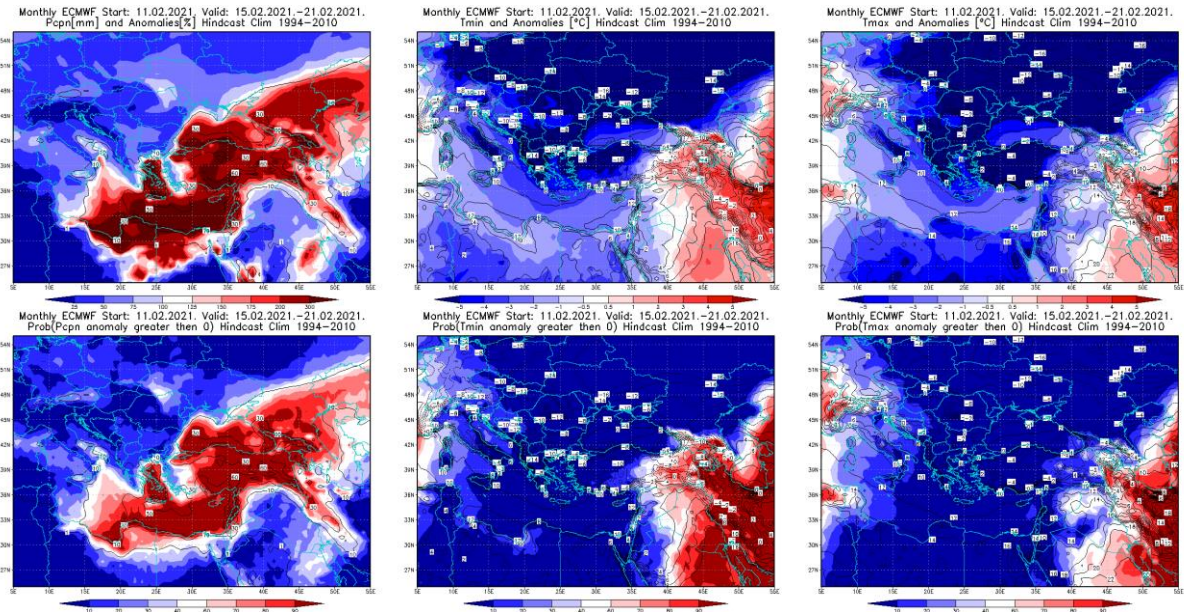


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 15.2–21.2.2021 period

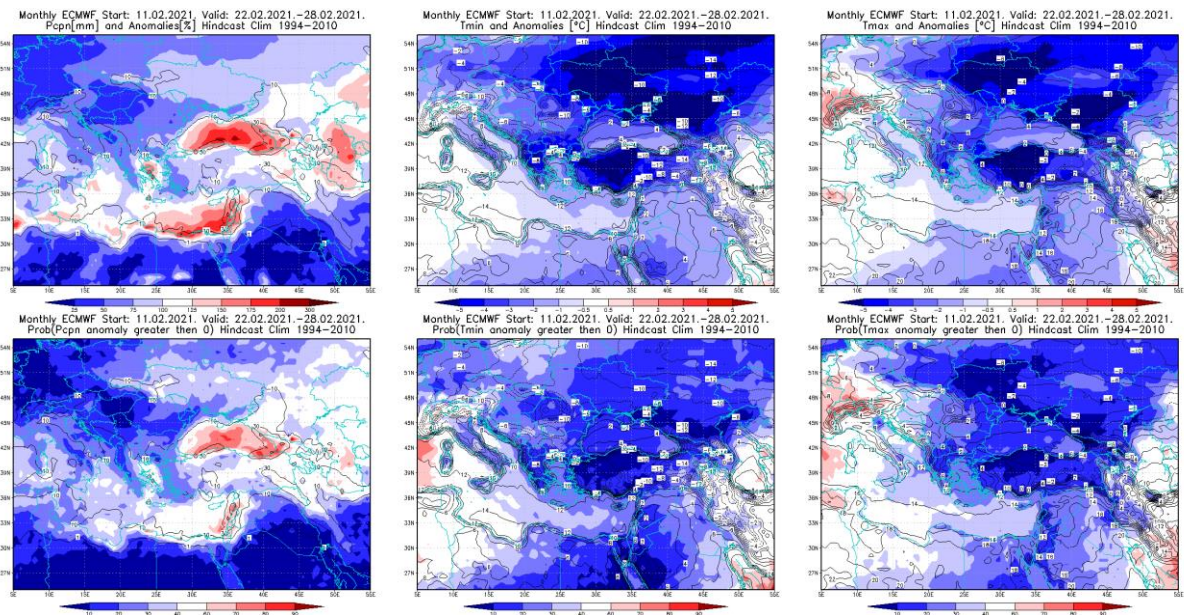


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 22.2–28.2.2021 period

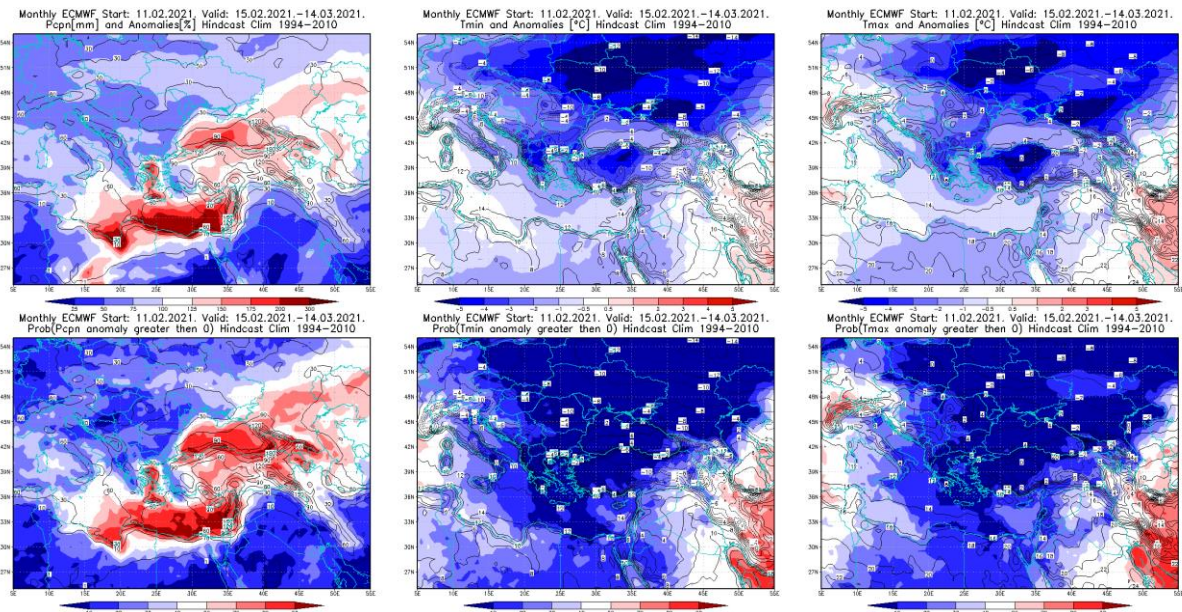


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 15.2–14.3.2021 period

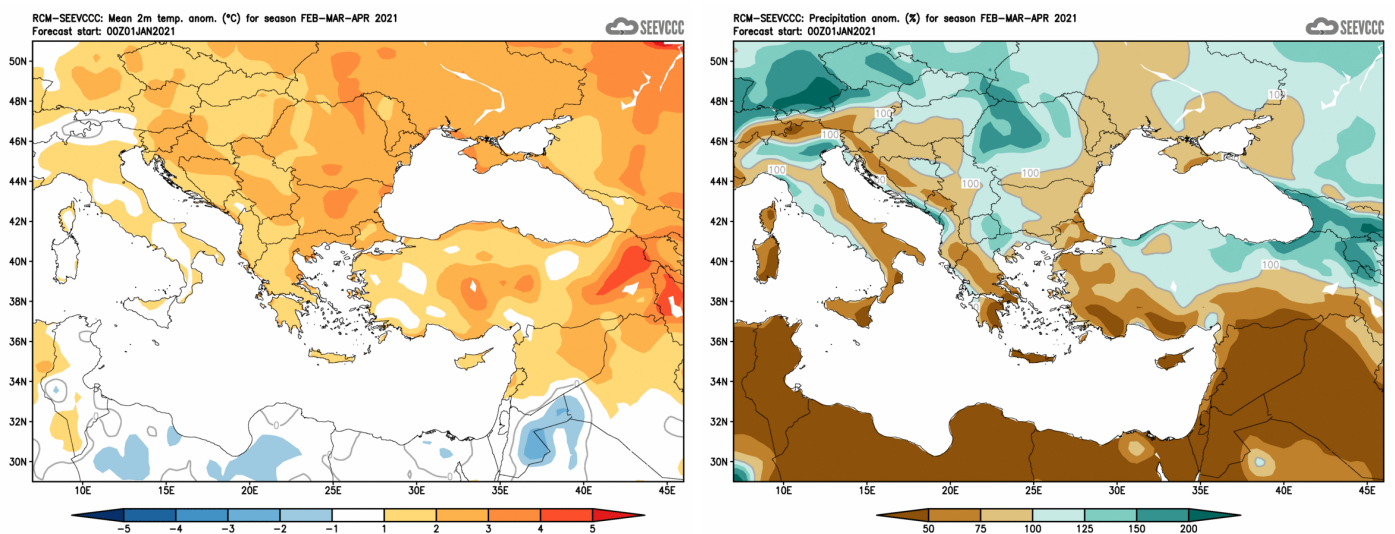


Figure 6. Mean seasonal temperature and precipitation anomaly for the season FMA (seasonal outlook from RCM – SEEVCCC)

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/>)