

Climate Watch (Serial No.: 20210308 – 10)

Initial/Updated/Final

Topic: temperature and precipitation

Organization issuing the statement: SEEVCCC

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Cancelled

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Valid from – to: 8-3-2021 – 31-5-2021 Next amendment: 15-3-2021

Region of concern: **Balkans, Eastern Mediterranean, Ukraine, Turkey and South Caucasus**

„Within the first week (March 1st to 7th 2021), ECMWF monthly forecast predicts above normal mean weekly air temperature for most of the western, central and southern Balkans and Eastern Mediterranean with anomaly reaching up to +3°C and up to 90% probability for exceeding upper tercile. Below normal mean weekly air temperature is expected for most of Ukraine, Turkey and South Caucasus, with anomaly up to -5°C and more than 90% probability for exceeding lower tercile. Precipitation surplus is predicted for some parts of the central and eastern Balkans with up to 70% probability for exceeding upper tercile.”

Monitoring

During the period from February 28th to March 7th 2021, precipitation sums were mostly below 25 mm, in most of the region.

Outlook

Within the first week (March 8th to 14th 2021), ECMWF monthly forecast predicts above normal mean weekly air temperature for most of the western, central and southern Balkans and Eastern Mediterranean with anomaly reaching up to +3°C and up to 90% probability for exceeding upper tercile. Below normal mean weekly air temperature is expected for most of Ukraine, Turkey and South Caucasus, with anomaly up to -5°C and more than 90% probability for exceeding lower tercile. Precipitation surplus is predicted for some parts of the central and eastern Balkans with up to 70% probability for exceeding upper tercile. Precipitation deficit is expected in the rest of the region, with around 80% probability for exceeding lower tercile.

During the second week (March 15th to 21st 2021), above average temperature is predicted for southern and eastern Balkans, as well as Turkey, South Caucasus and Middle East with anomaly reaching up to +4°C and around 80% probability for exceeding upper tercile. In rest of the region average temperature is expected. Precipitation surplus is predicted for some parts of the south and eastern Balkans with up to 70% probability for exceeding upper tercile. Average precipitation sums are predicted for most of the region.

In the period from March 8th to April 4th 2021, above average temperature is predicted for south Balkans and central Turkey with anomaly reaching up to +2°C. Probability for exceeding upper tercile is up to 70%. In rest of the region average temperature is expected. Precipitation deficit is expected for Eastern Mediterranean and Middle East, with up to 70% probability for exceeding lower tercile. In the rest of the region average precipitation sums are expected.

During the following three months (March, April and May) seasonal forecast predicts above normal seasonal air temperature for most of the region. Precipitation surplus is expected for south Adriatic Sea coast, eastern Turkey, Carpathian and South Caucasus region, as well as south Ukraine and some locations in the south Balkans. Precipitation deficit is predicted for the southernmost Balkans, Cyprus, western Turkey and Middle East. Average seasonal precipitation sums are expected in rest of the region.

Update

An updated statement will be issued on 15-3-2021

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

ANNEX

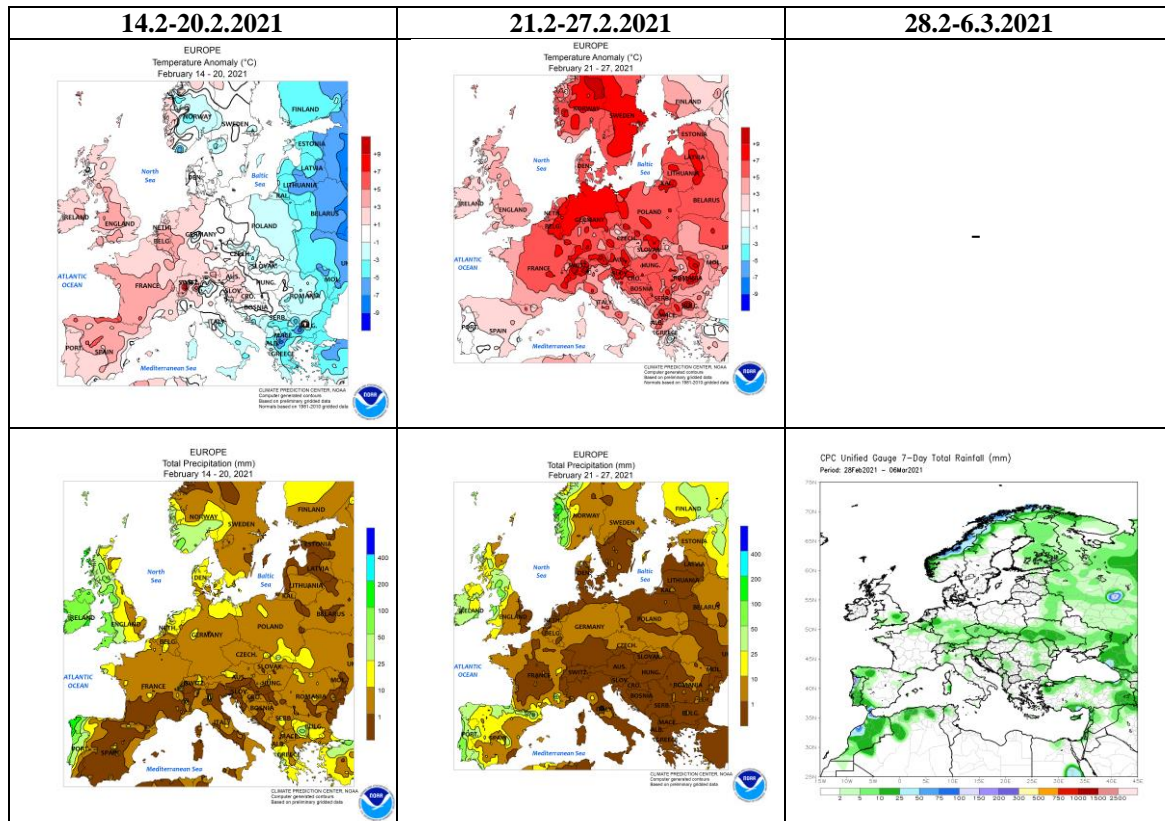


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

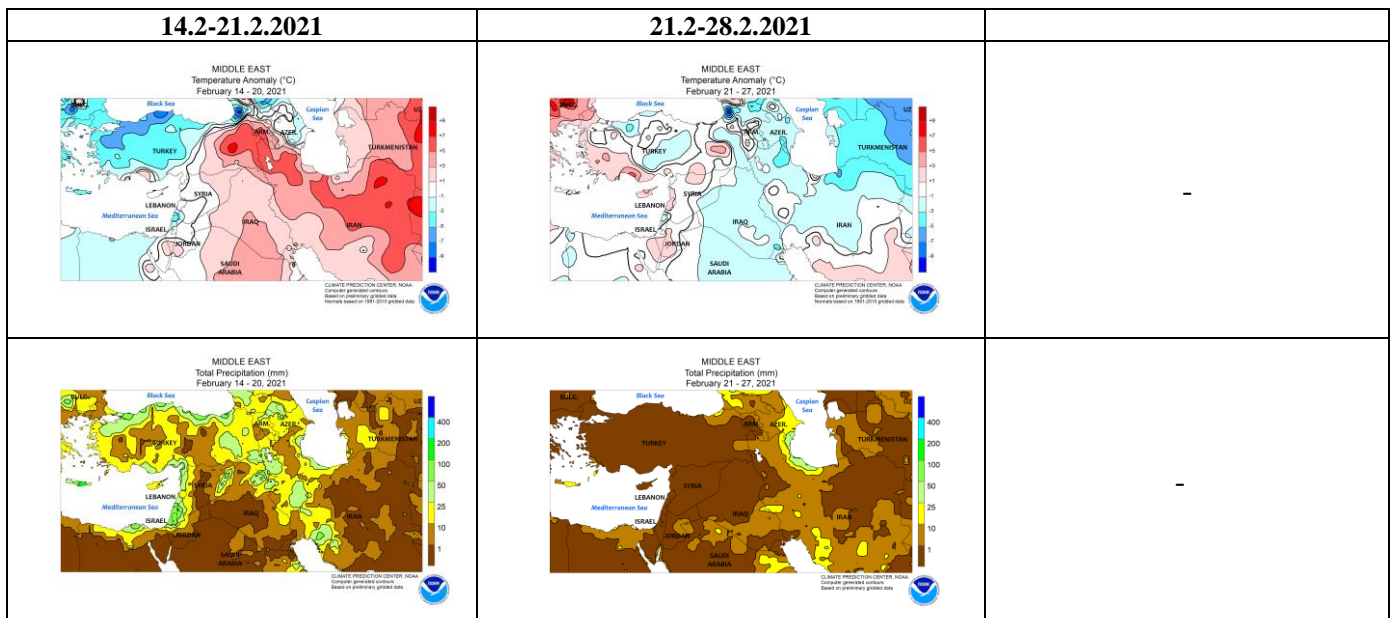


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

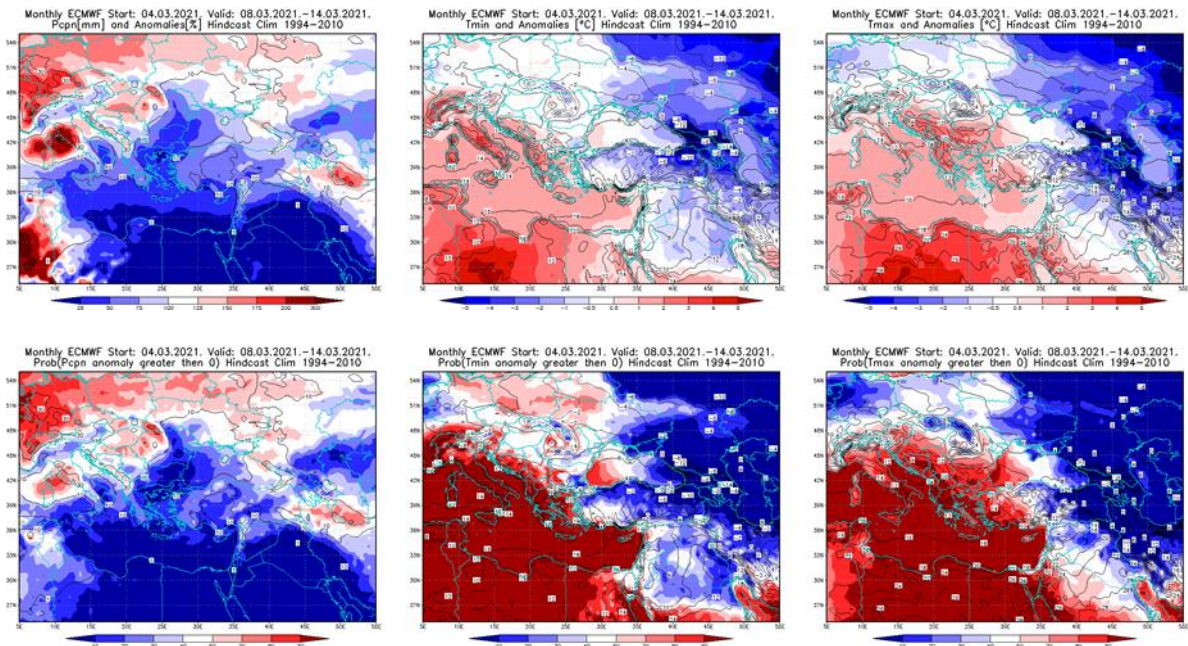


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 8.3–14.3.2021 period

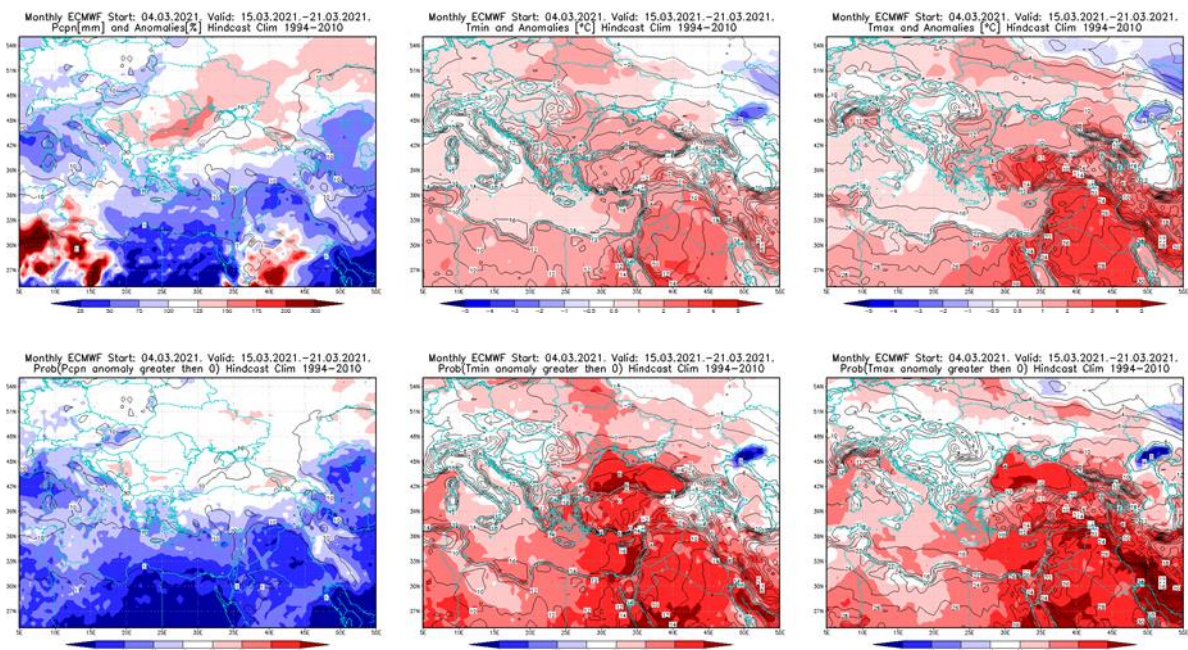


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 15.3–21.3.2021 period

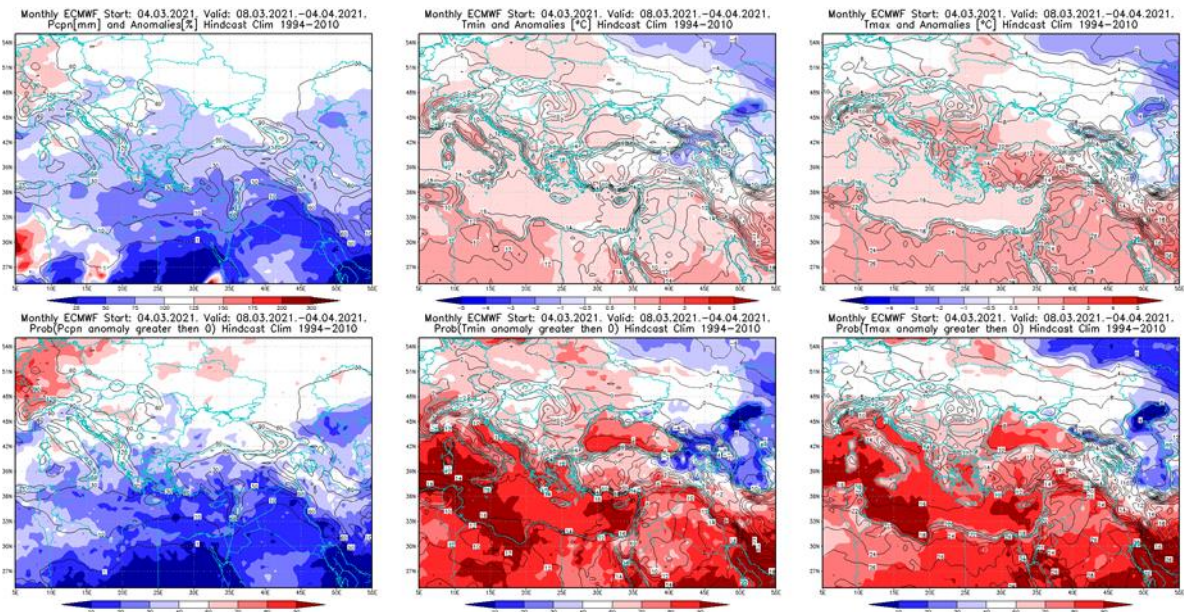


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 8.3 –4.4.2021 period

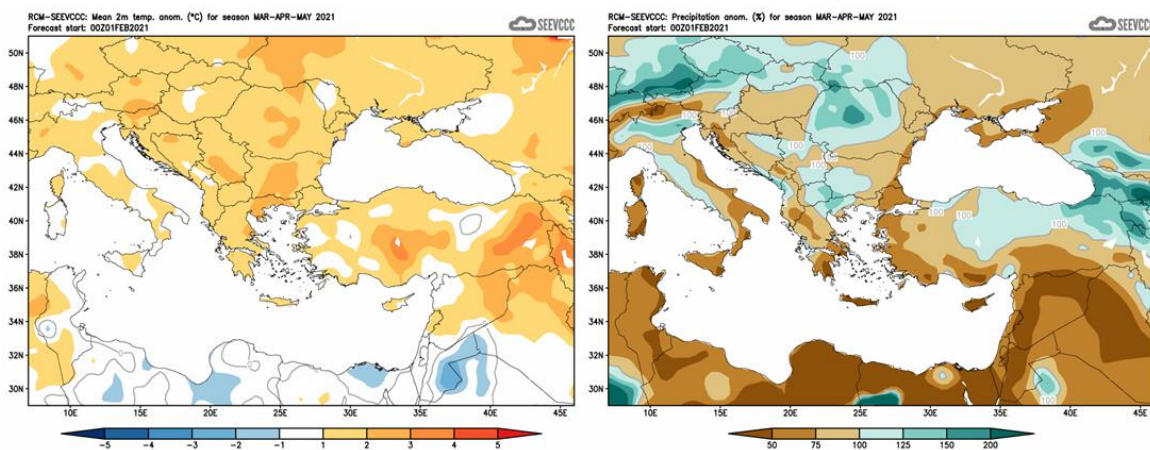


Figure 6. Mean seasonal temperature and precipitation anomaly for the season MAM (seasonal outlook from RCM – SEEVCCC)

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/>)