

Climate Watch (Serial No.: 20210412 – 15)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

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Cancelled

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Valid from – to: 12-4-2021 – 30-6-2021 Next amendment: 19-4-2021

Region of concern: **SEE**

„Within the first week (12 - 18 April 2021), ECMWF monthly forecast predicts below normal mean weekly air temperature for most of Turkey with anomaly up to -4°C and more than 90% probability for exceeding lower tercile. Above average temperature is predicted for most of Ukraine, with anomaly reaching up to $+3^{\circ}\text{C}$ and up to 90% probability for exceeding upper tercile. In most of the Balkans average temperature is expected. Precipitation surplus is predicted for most of the South Caucasus, with up to 80% probability for exceeding upper tercile. Precipitation deficit is predicted for most of the Balkans with up to 80% probability for exceeding lower tercile.”

Monitoring

During the period from 28th March to 3rd April 2021, precipitation sums were mostly below 25 mm, in most of the region, while some parts of the southern Balkans and western Turkey received more than 75 mm of precipitation.

Outlook

Within the first week (12 - 18 April 2021), ECMWF monthly forecast predicts below normal mean weekly air temperature for most of Turkey with anomaly up to -4°C and more than 90% probability for exceeding lower tercile. Above average temperature is predicted for most of Ukraine, with anomaly reaching up to $+3^{\circ}\text{C}$ and up to 90% probability for exceeding upper tercile. In most of the Balkans average temperature is expected. Precipitation surplus is predicted for most of the South Caucasus, with up to 80% probability for exceeding upper tercile. Precipitation deficit is predicted for most of the Balkans with up to 80% probability for exceeding lower tercile.

During the second week (19 - 25 April 2021), above average temperature is predicted for Turkey and South Caucasus with anomaly up to $+2^{\circ}\text{C}$ and up to 60% probability for exceeding upper tercile. Average temperature is expected in rest of the region. Average precipitation sums are expected for most of the region.

In the period from 12 April to 9 May 2021, average temperature and precipitation are predicted for most of the region. Precipitation deficit is predicted for southern Turkey, as well as Aegean Sea and Eastern Mediterranean with up to 70% probability for exceeding lower tercile.

During the following three months (April, May and June) seasonal forecast predicts above normal seasonal air temperature for most of the region. Precipitation surplus is expected for Carpathian and South Caucasus region, as well as western Ukraine. Precipitation deficit is predicted for the southern and eastern Balkans, Cyprus, western and southern Turkey. Average seasonal precipitation sums are expected in rest of the region.

Update

An updated statement will be issued on 19-4-2021

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

ANNEX

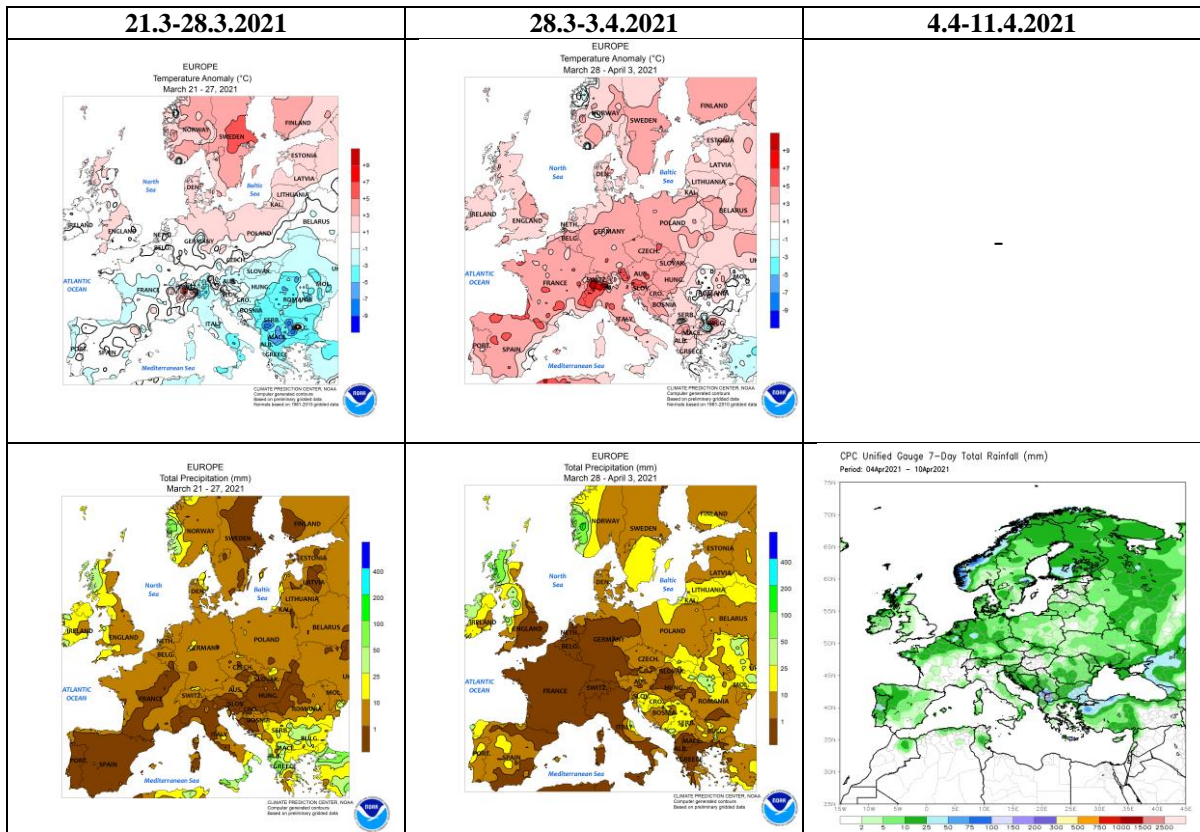


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

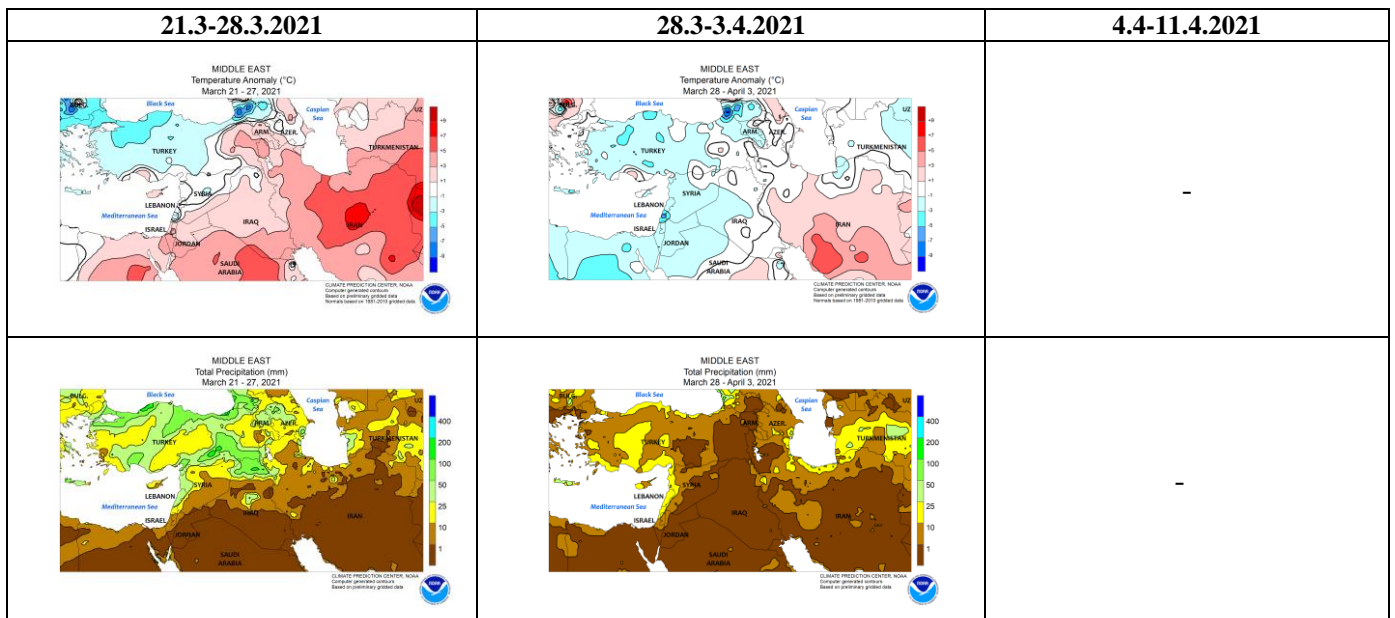


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

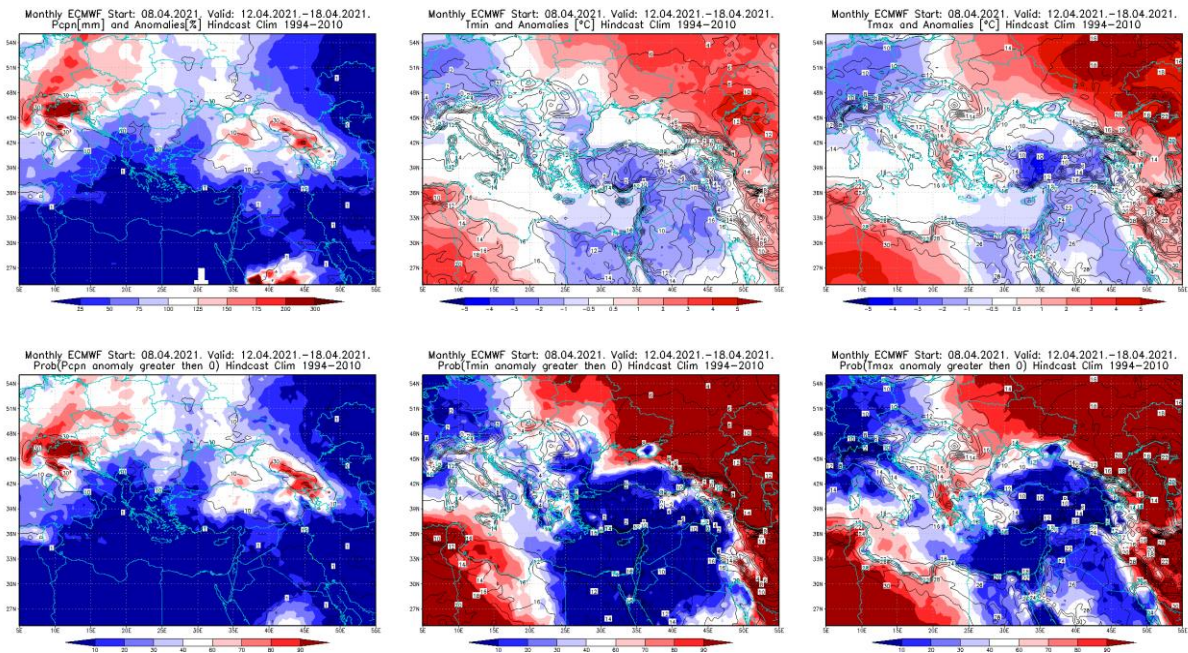


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 12.4-18.4.2021 period

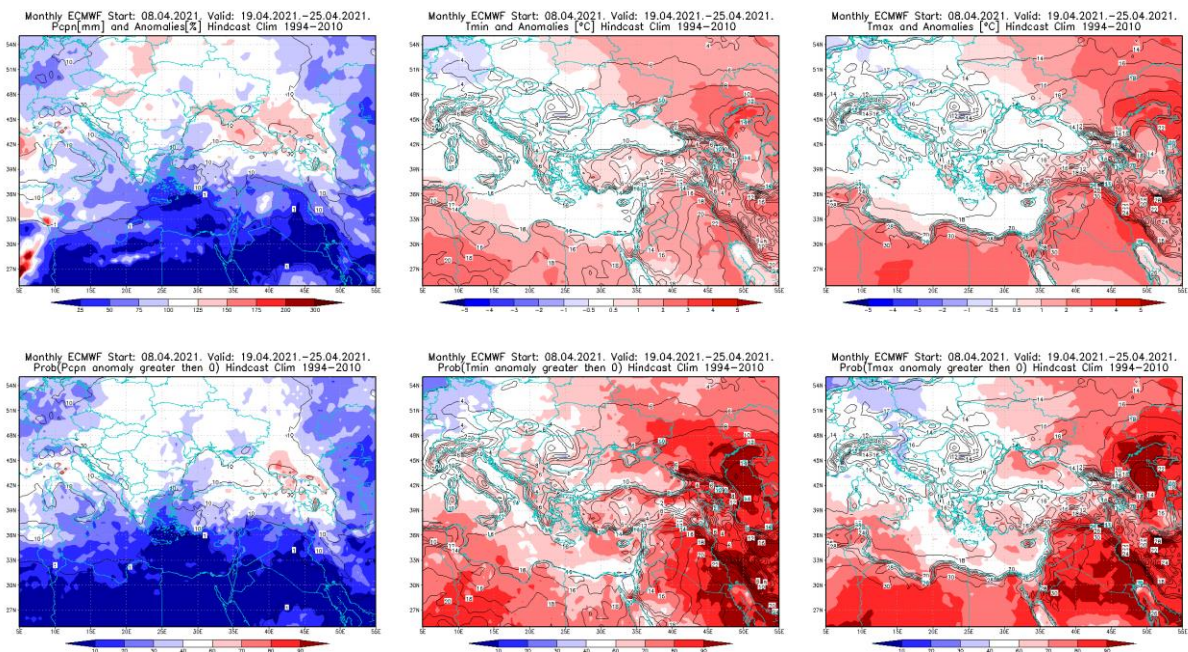


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 19.4-25.4.2021 period

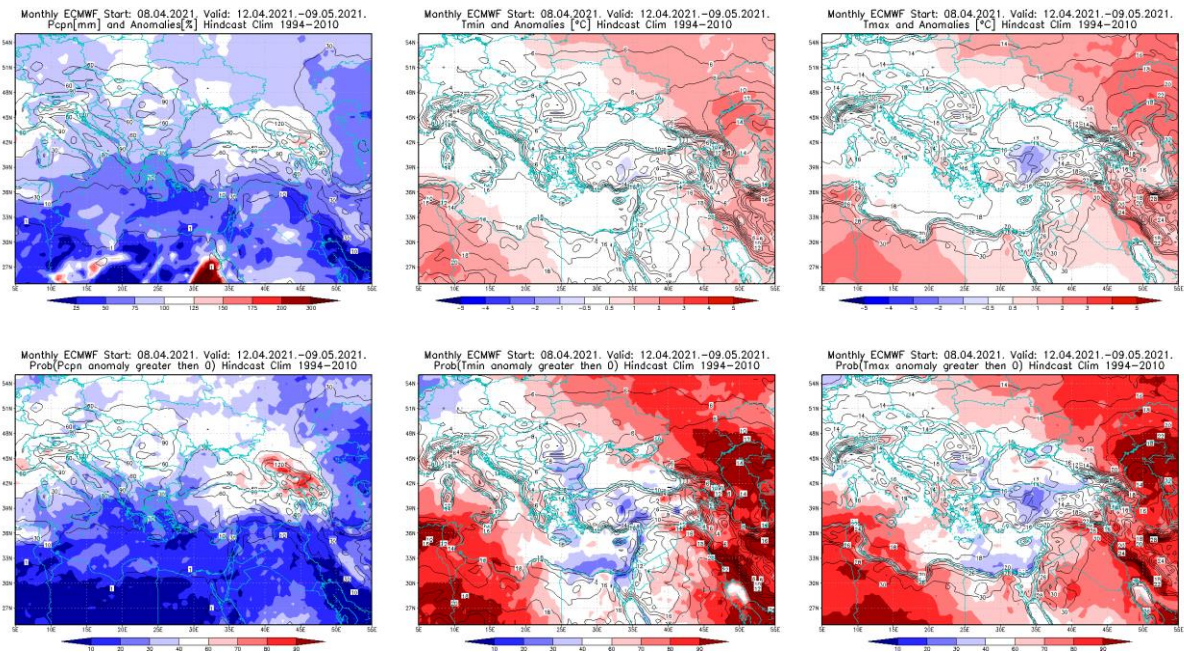


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 12.4 –9.5.2021 period

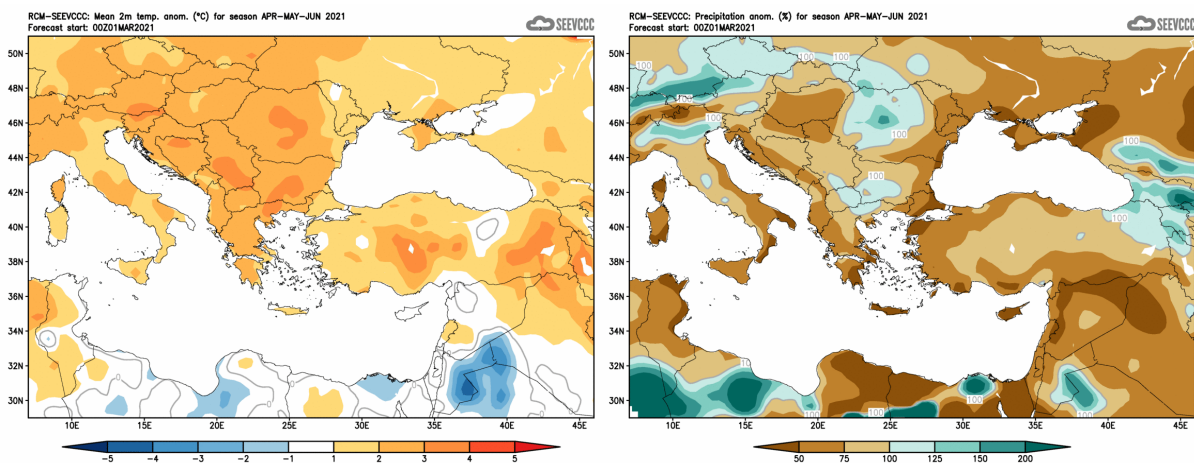


Figure 6. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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/>)