Climate Watch (Serial No.: 20210322 – 12)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 22-3-2021 16:00 P.M.

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Valid from – to: 22-3-2021 – 30-6-2021 Next amendment: 29-3-2021

Region of concern: **SEE**

„Within the first week (22–28 March 2021), ECMWF monthly forecast predicts below normal mean weekly air temperature for most of the Balkans and western Turkey, with anomaly up to –4°C and more than 90% probability for exceeding lower tercile. Precipitation surplus is predicted for Turkey, South Caucasus, eastern Mediterranean and Aegean Sea, with up to 90% probability for exceeding upper tercile.**”**

Monitoring

During the previous week wet conditions with precipitation of more than 50 mm prevailed in most of the Balkans, western and central Turkey.

Outlook

Within the first week (22–28 March 2021), ECMWF monthly forecast predicts below normal mean weekly air temperature for most of the Balkans and western Turkey, with anomaly up to –4°C and more than 90% probability for exceeding lower tercile. Precipitation surplus is predicted for Turkey, South Caucasus, eastern Mediterranean and Aegean Sea, with up to 90% probability for exceeding upper tercile.

During the second week (29 March - 4 April 2021), below average temperature is predicted for eastern Turkey and South Caucasus, with anomaly up to –4°C and up to 70% probability for exceeding lower tercile. Average temperature is predicted for most of the Balkans. Precipitation deficit is predicted for most of the region with around 60% probability for exceeding lower tercile.

In the period from 22 March to 18 April 2021, below average temperature is predicted for the eastern Balkans and northern Turkey, with anomaly up to –2 °C and up to 70% probability for exceeding lower tercile. Average precipitation is expected for most of the region.

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 29-3-2021

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

ANNEX

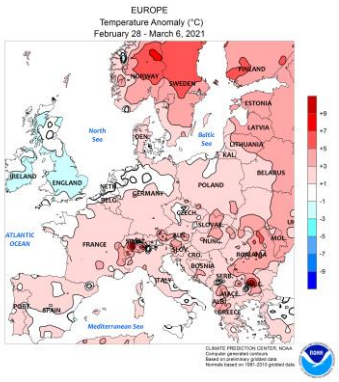
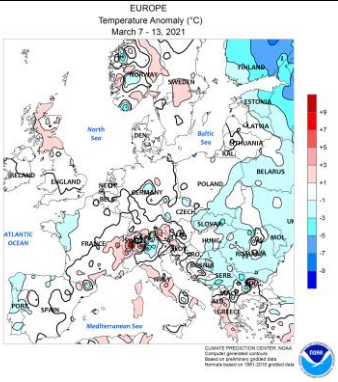
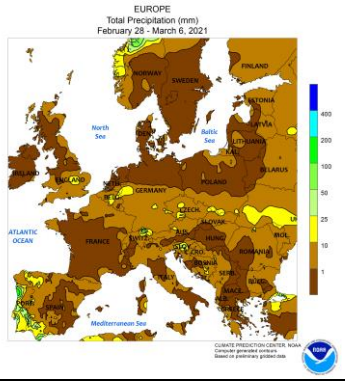
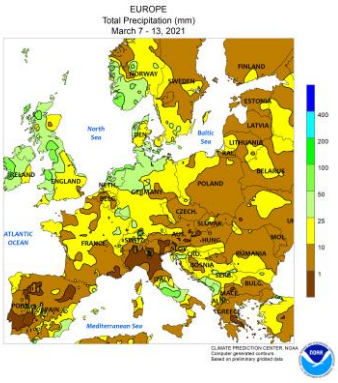
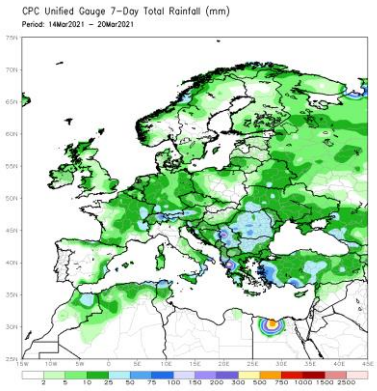
28.2-6.3.2021	7.3-13.3.2021	14.3-20.3.2021
		-
		

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

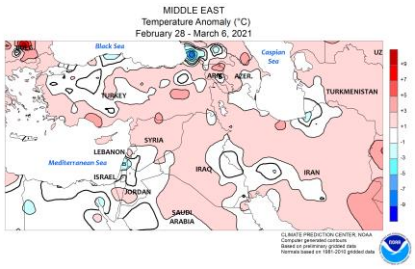
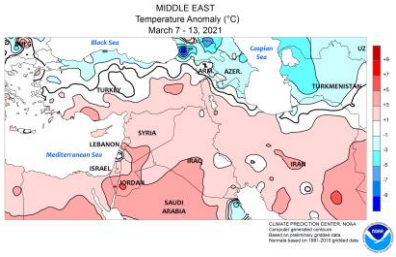
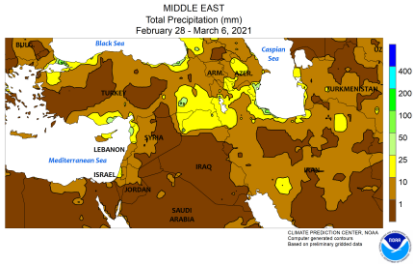
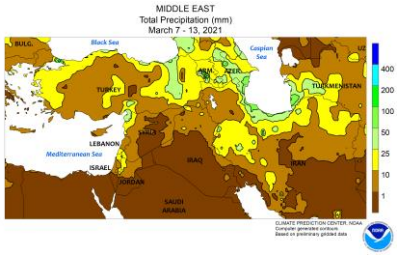
28.2-6.3.2021	7.3-13.3.2021	14.3-20.3.2021
		-
		-

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

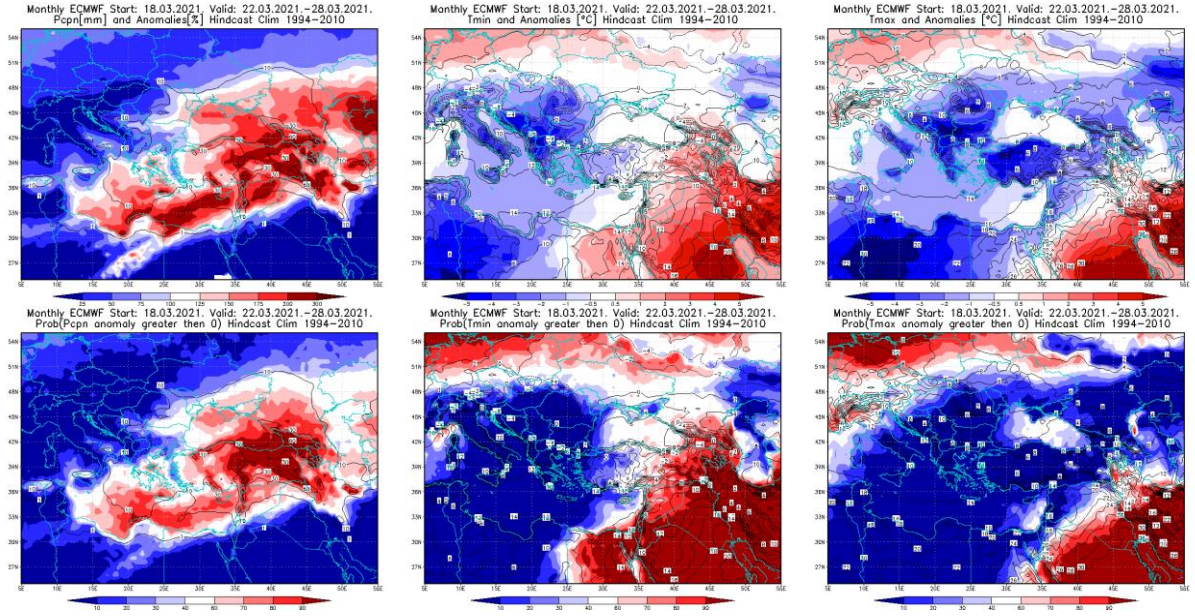


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 22.3–28.3.2021 period

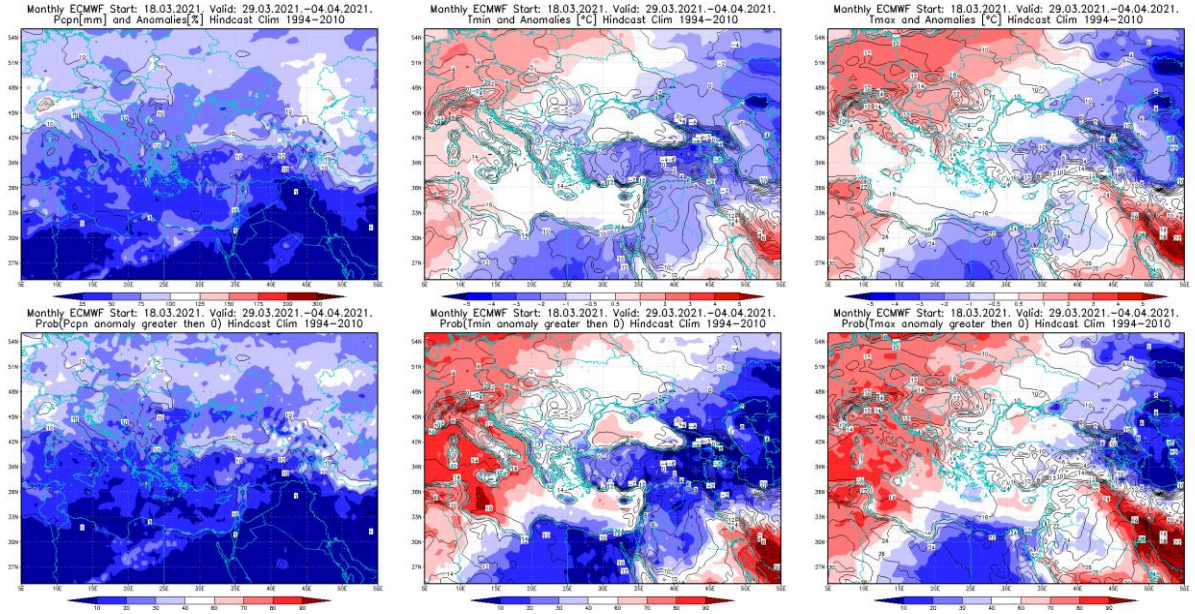


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 29.3–4.4.2021 period

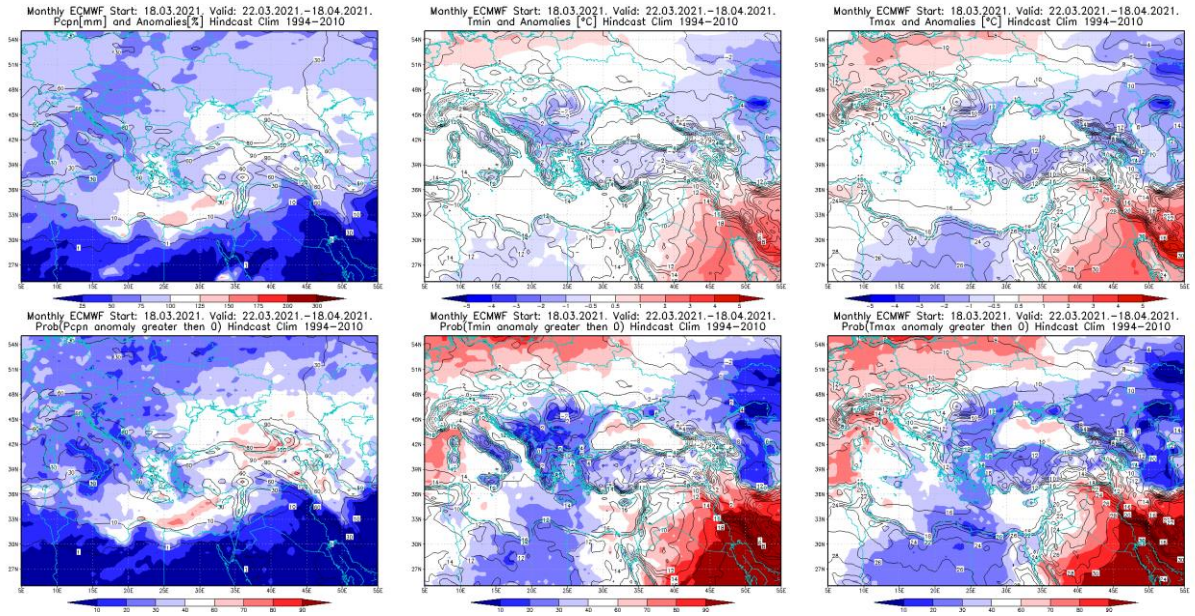


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 22.3 –18.4.2021 period

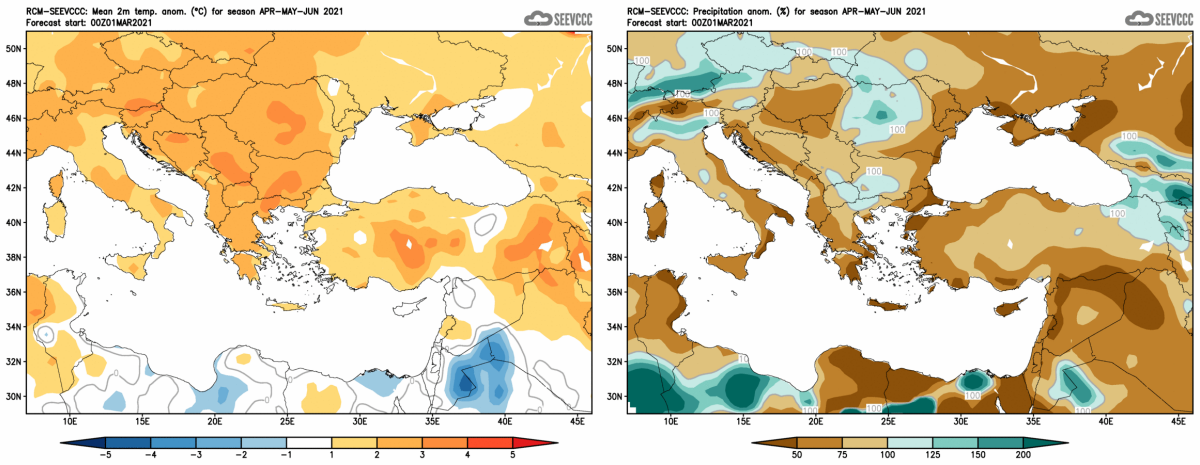


Figure 6. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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/)