Climate Watch (Serial No.: 20220314–11)

Initial/Updated/Final

Topic: **temperature**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 14-3-2022 16:00 P.M.

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Valid from – to: 14-3-2022 – 31-5-2022 Next amendment: 21-3-2022

Region of concern: **the Balkans, Turkey, South Caucasus and Middle East**

„Within the first week (14 to 20 March 2022), ECMWF monthly forecast predicts below normal mean weekly temperature in the central, southern and eastern Balkans, Moldova, southeastern Ukraine, Turkey, South Caucasus and Middle East, with anomaly up to -10°C and up to 90% probability for exceeding lower tercile. For the second week (21 to 27 March 2022) below average air temperature is expected in the southern and eastern Balkans, Turkey, South Caucasus and eastern Mediterranean, with anomaly up to –6°C and up to 90% probability for exceeding lower tercile.“

Monitoring

During the period from 6 to 12 March 2022, weekly precipitation sums were up to 75 mm in the central Balkans, Crete, eastern and western Turkey, while in rest of the SEE region precipitation totals were below 25 mm.

Outlook

Within the first week (14 to 20 March 2022), ECMWF monthly forecast predicts below normal mean weekly temperature in the central, southern and eastern Balkans, Moldova, southeastern Ukraine, Turkey, South Caucasus and Middle East, with anomaly up to –10°C and up to 90% probability for exceeding lower tercile. Precipitation deficit is expected in most parts of the SEE region, while surplus is expected in Azerbaijan, with up to 90% probability for exceeding lower/upper tercile.

During the second week (21 to 27 March 2022), below average air temperature is expected in the southern and eastern Balkans, Turkey, South Caucasus and eastern Mediterranean, with anomaly up to –6°C and up to 90% probability for exceeding lower tercile. Precipitation deficit is forecasted for almost entire SEE region, with up to 70% probability for exceeding lower tercile.

During the following three months (March, April and May), seasonal forecast predicts above normal seasonal air temperature in northwestern Ukraine, some parts of the Balkans, eastern and central Turkey. Precipitation surplus is expected in the Carpathian Mountains, northeastern Turkey and South Caucasus. Precipitation deficit is predicted for the Pannonian plain, along the Dinaric Alps, western and northern Black Sea coast, southern Balkans, Cyprus, western and southern Turkey, as well as Middle East.

Update

An updated statement will be issued on 21-3-2022

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

ANNEX

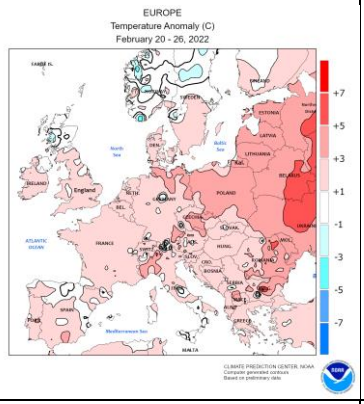
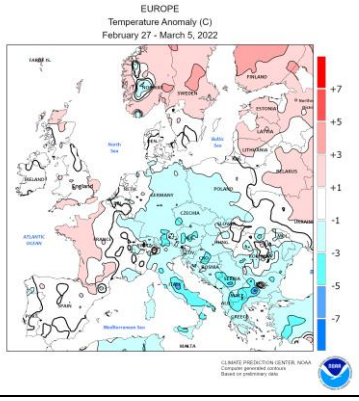
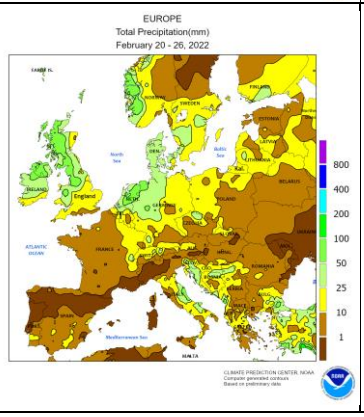
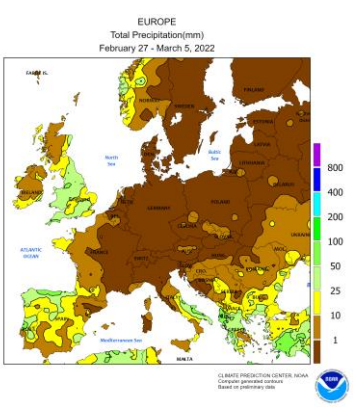
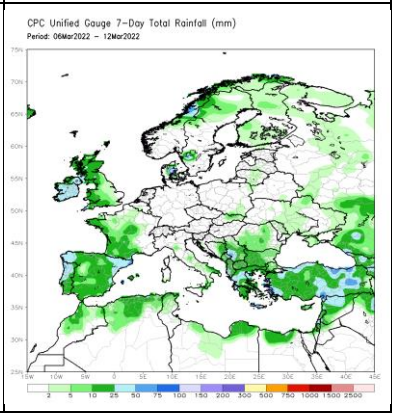
20-26.2.2022	27.2-5.3.2022	6-12.3.2022
		-
		

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

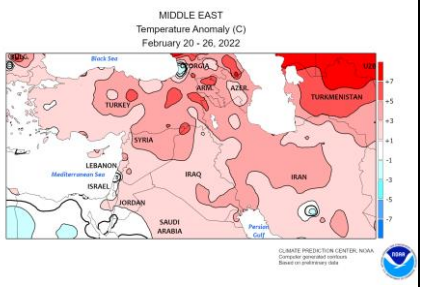
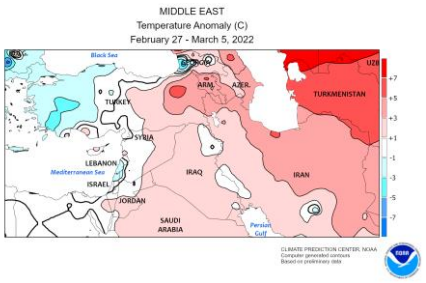
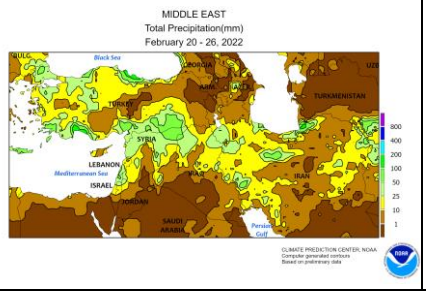
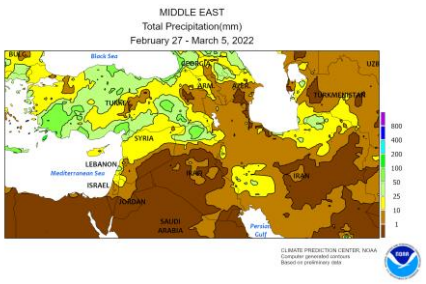
20-26.2.2022	27.2-5.3.2022	6-12.3.2022
		-
		-

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

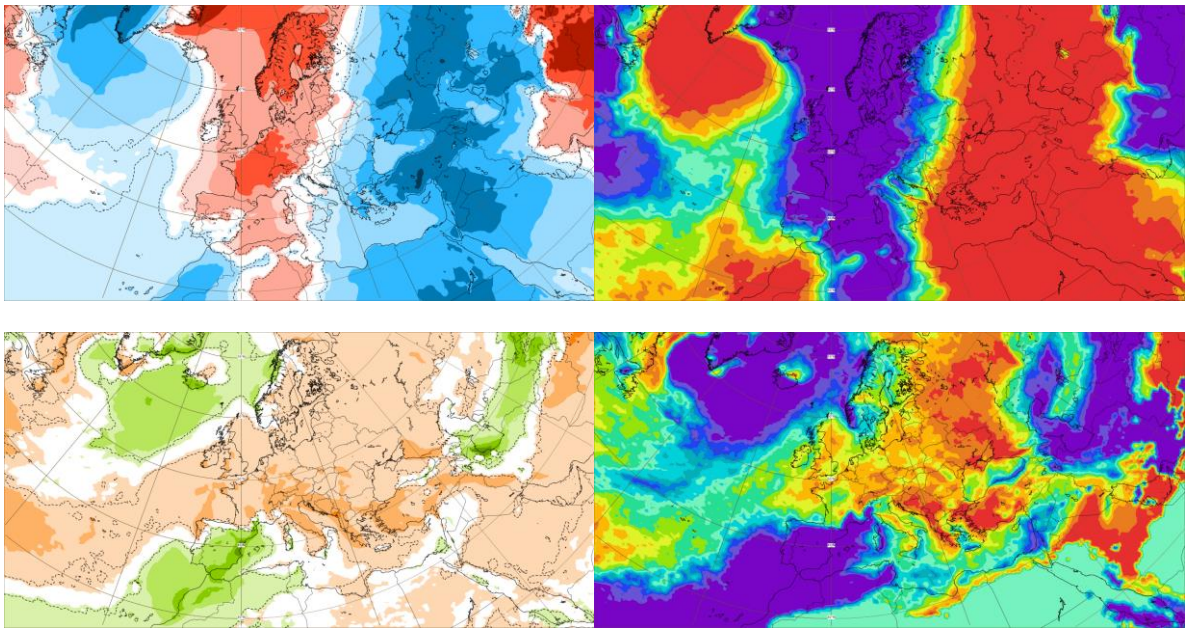


Figure 3. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 14.3–20.3.2022 period

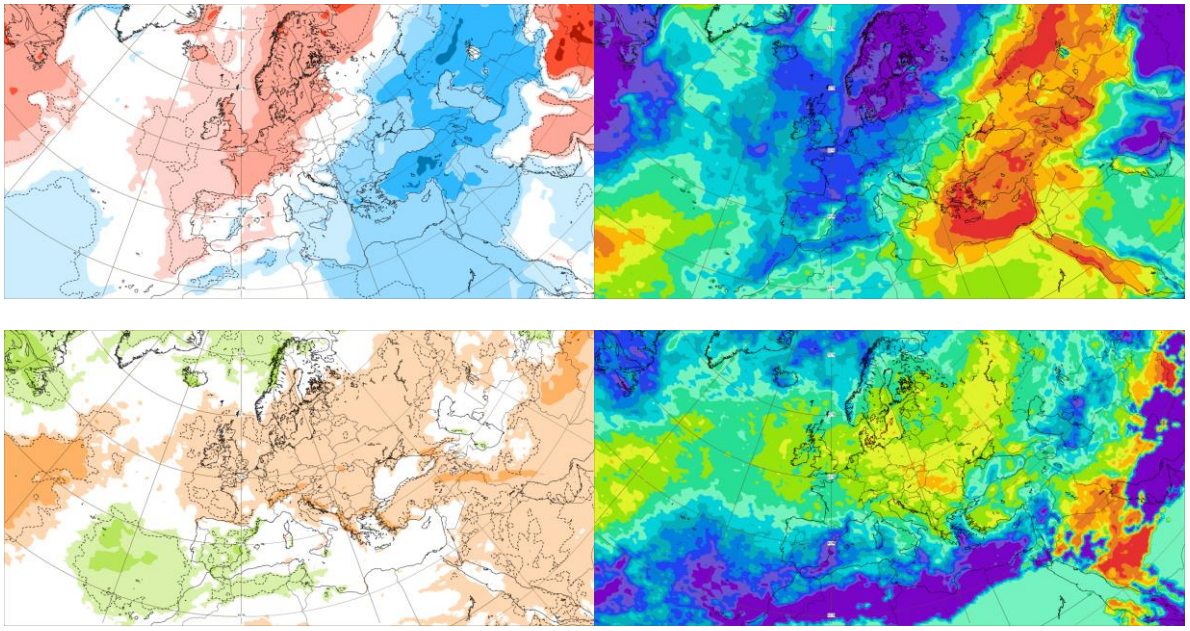


Figure 4. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 21.3–27.3.2022 period

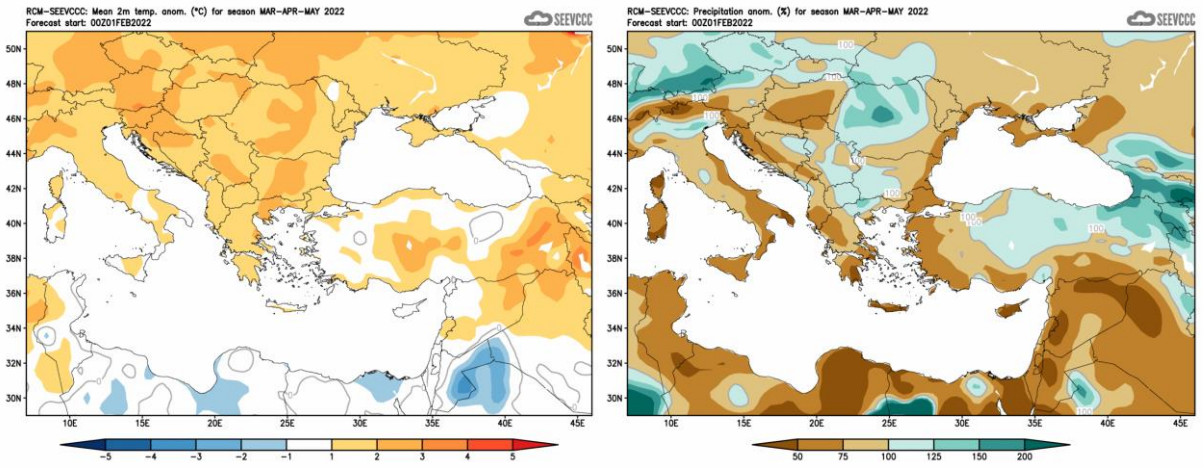


Figure 6. Mean seasonal temperature and precipitation anomaly for the season MAM (seasonal outlook from RCM – SEEVCCC)

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/)