Climate Watch (Serial No.: 20230123–3)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing the statement:	SEEVCCC
Issued/ Amended / Cancelled	23-1-2023 16:00 P.M.
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Valid from – to:	23-1-2023 – 30-4-2023 Next amendment: 30-1-2023

Region of concern: **Balkans, Ukraine and South Caucasus**

„Within the first week (23 to 29 January 2023), ECMWF monthly forecast predicts precipitation surplus for central and southern Balkans, with probability for exceeding upper tercile in a range from 70% up to 90%. Precipitation deficit is forecasted for Ukraine and South Caucasus, with up to 80% probability in South Caucasus and up to 90% probability in Ukraine for exceeding lower tercile.“

Monitoring

During the period from 15 to 21 January 2023, weekly precipitation sums in western Balkans were up to 200 mm, in central regions of the Balkans, Carpathian Mountains, western Ukraine and Cyprus they were around 50 mm. In rest of the SEE region weekly precipitation totals were below 25 mm.

Outlook

Within the first week (23 to 29 January 2023), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly up to +3°C in eastern Balkans, Moldova, Cyprus, Georgia and Middle East, and up to +6°C anomaly in eastern Ukraine, most of Turkey and Armenia. Probability for exceeding upper tercile is around 80% in the eastern Ukraine, Cyprus and Georgia, and up to 90% in eastern Turkey, Armenia and Middle East. Precipitation surplus is expected for central and southern Balkans, with probability for exceeding upper tercile in a range from 70% up to 90%. Precipitation deficit is forecasted for Ukraine and South Caucasus, with up to 80% probability in South Caucasus and up to 90% probability in Ukraine for exceeding lower tercile.

During the second week (30 January to 5 February 2023), below average mean weekly air temperature, with anomaly up to –3°C, is forecasted for western and southern Balkans, while above average mean weekly air temperature, with up to +3°C anomaly, is expected in eastern Ukraine. Probability for exceeding lower/upper tercile is up to 60%. Precipitation surplus is forecasted in eastern Mediterranean and southern Black Sea, with around 60% probability for exceeding upper tercile.

During the following three months (February, March and April), seasonal forecast predicts above average seasonal air temperature in northwestern and eastern Balkans, Ukraine, eastern Turkey and South Caucasus. Precipitation surplus is expected along southern part of the Adriatic Sea coast, some parts of the Carpathians, northern Turkey, western Ukraine and South Caucasus. Precipitation deficit is predicted for the northwestern and southern Balkans, southern and western Turkey and Middle East.

Update

An updated statement will be issued on 30-1-2023

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

ANNEX

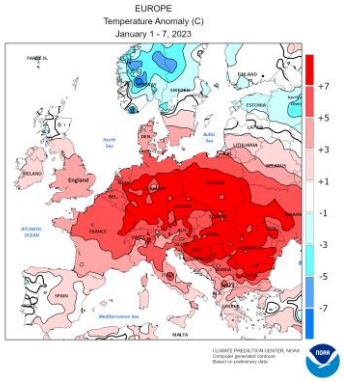
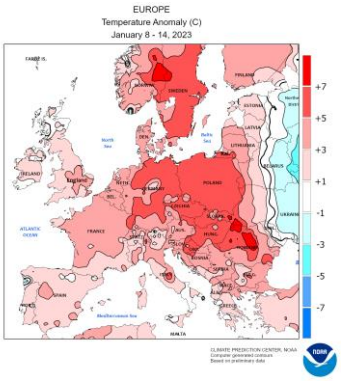
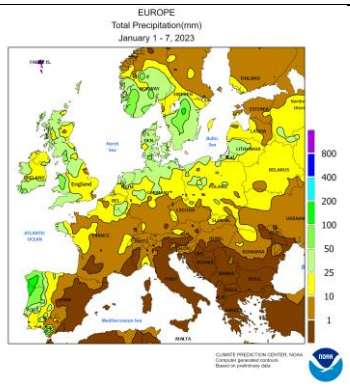
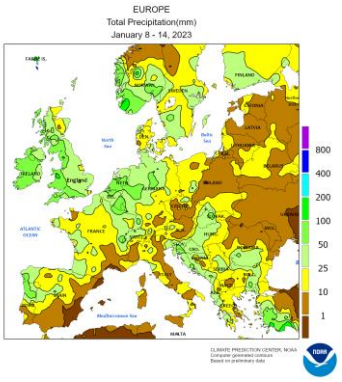
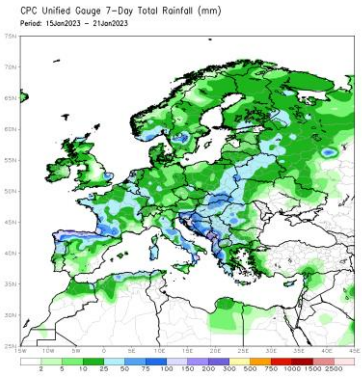
1.1-7.1.2023	8.1-14.1.2023	15.1-21.1.2023
		-
		

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

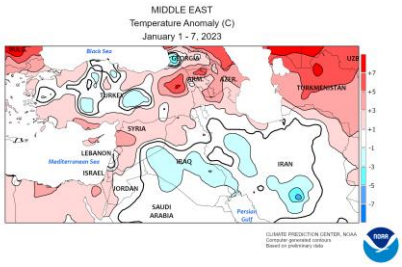
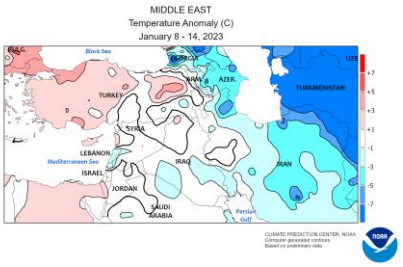
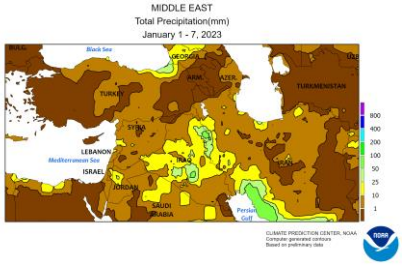
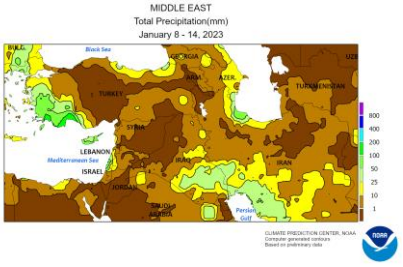
1.1-7.1.2023	8.1-14.1.2023	
		-
		-

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

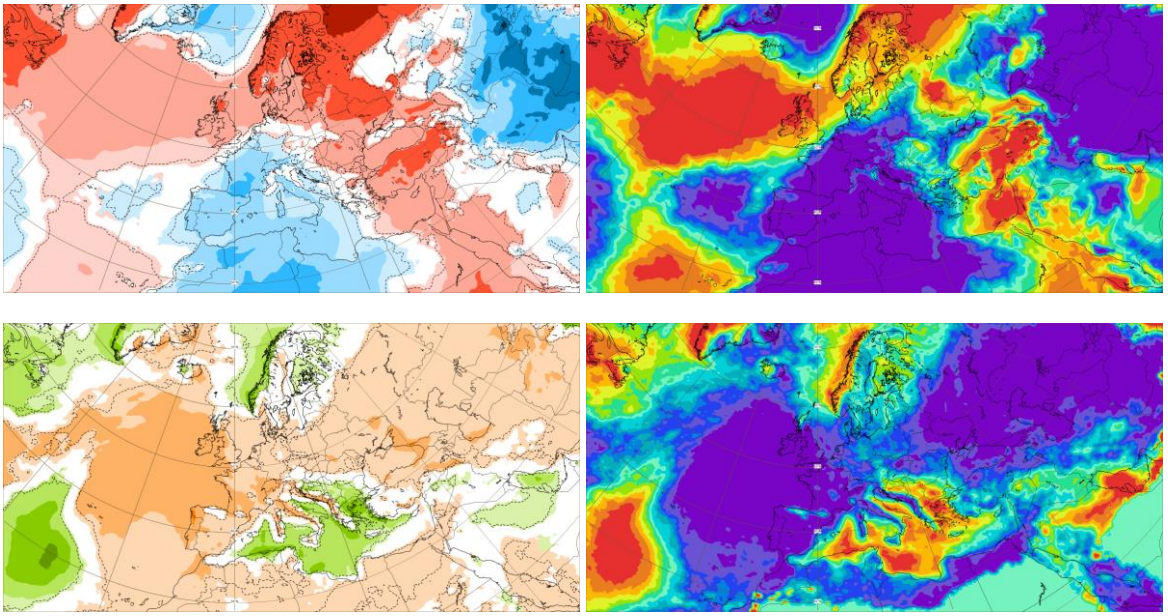


Figure 3. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 23.1–29.1.2023 period

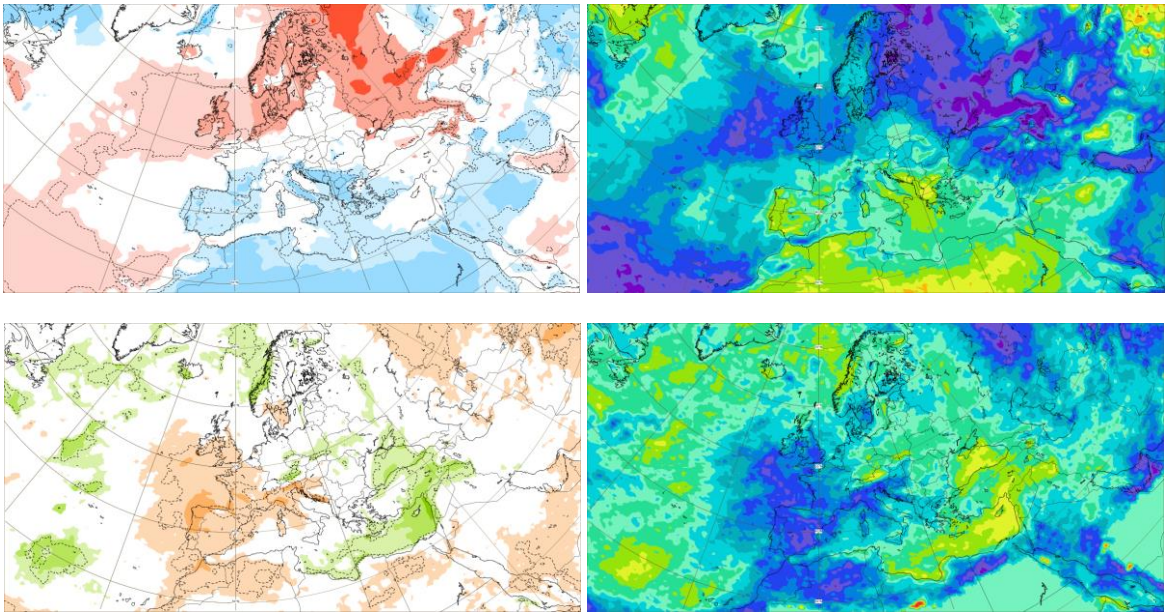


Figure 4. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 30.1–5.2.2023 period

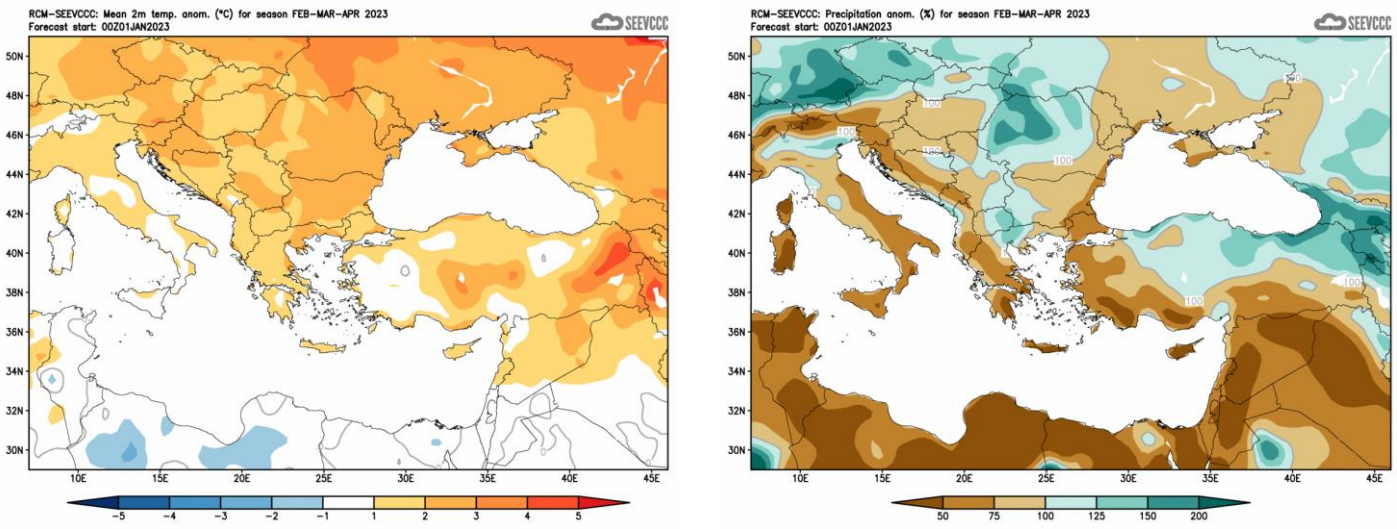


Figure 6. Mean seasonal temperature and precipitation anomaly for the season FMA (seasonal outlook from RCM – SEEVCCC)

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/)