Climate Watch (Serial No.: 20220919–37)

Initial/Updated/Final

Topic: **temperature and precipitetion**

Organization issuing the statement:	SEEVCCC
Issued/ Amended / Cancelled	19-9-2022 16:00 P.M.
Contact:	E-mail: cws-seevccc@hidmet.gov.rs Phone: +381112066925 Fax: +381112066929
Valid from – to:	19-9-2022 – 31-12-2022 Next amendment: 26-9-2022

Region of concern: **Balkans, Turkey and Georgia**

„Within the first week (19 to 25 September 2022), ECMWF monthly forecast predicts below average mean weekly air temperature in most of the Balkans and northwestern Turkey, with anomaly up to –6°C and up to 90% probability for exceeding lower tercile. Precipitation surplus is forecasted for northern Turkey and Georgia, with up to 90% probability for exceeding upper tercile.“

Monitoring

During the period from 11 to 17 September 2022, weekly precipitation sums were up to 200 mm in the northwestern Balkans and around 50 mm in parts of western and northern Balkans, central and eastern Ukraine, as well as northeastern Turkey, while in rest of the region they were up to 25 mm.

Outlook

Within the first week (19 to 25 September 2022), ECMWF monthly forecast predicts below average mean weekly air temperature in most of the Balkans and northwestern Turkey, with anomaly up to –6°C. Above average mean weekly air temperature is expected in eastern half of South Caucasus, with anomaly up to +6°C. Probability for exceeding lower/upper tercile is up to 90%. Precipitation surplus is forecasted for northern Turkey and Georgia, with up to 90% probability for exceeding upper tercile.

During the second week (26 September to 2 October 2022), below average mean weekly air temperature is forecasted in eastern Ukraine, with anomaly up to –3°C. Above average temperature, with anomaly up to +3°C, is expected in western and southeastern Balkans and southwestern Turkey. Probability for exceeding lower/upper tercile is up to 60%. Precipitation surplus is forecasted for northwestern Balkans and western Ukraine, with up to 60% probability for exceeding upper tercile.

During the following three months (October, November and December), seasonal forecast predicts above average seasonal air temperature in western and central parts of the Balkans, western Ukraine and Carpathian Mountains. Precipitation surplus is expected along south Adriatic Sea coast, in some parts of the Carpathians and the South Caucasus region and southern coast of Black Sea. Precipitation deficit is predicted for southern parts of the SEE region as well as western Balkans.

Update

An updated statement will be issued on 26-9-2022

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

ANNEX

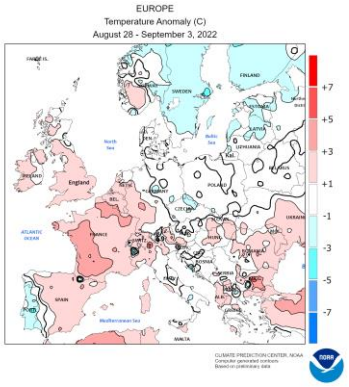
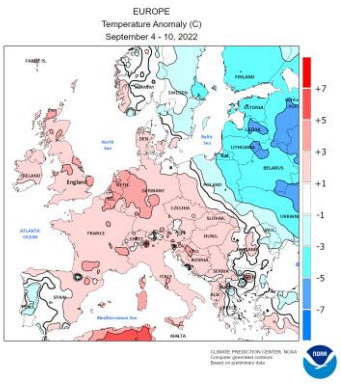
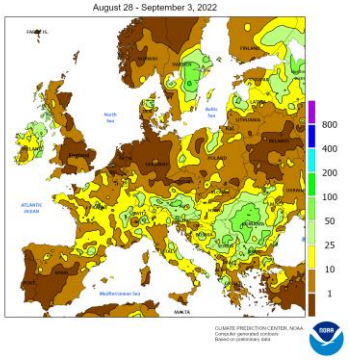
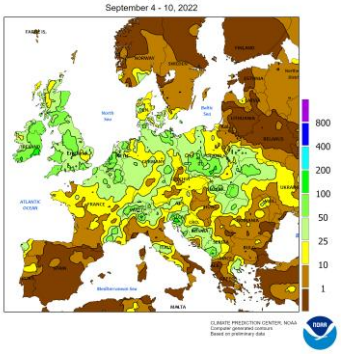
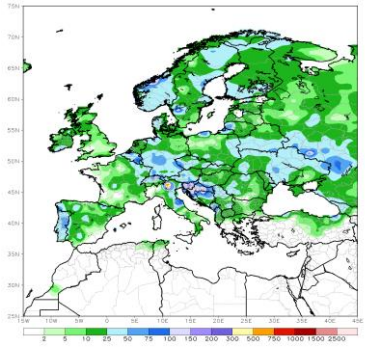
28.8-3.9.2022	4.9-10.9.2022	11.9-17.9.2022
		-
		

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

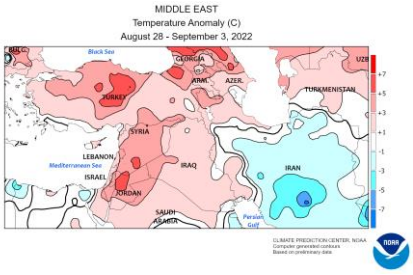
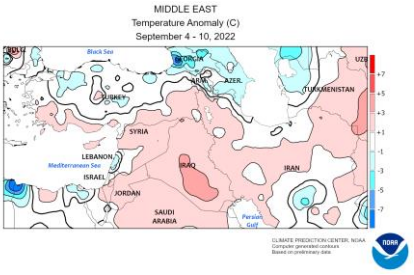
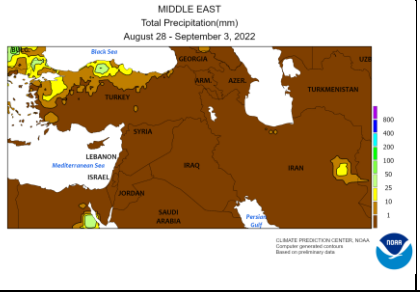
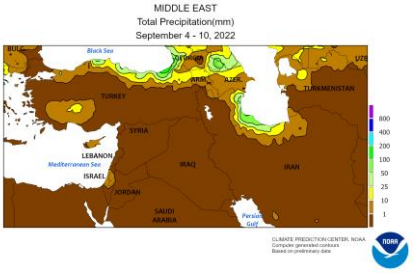
28.8-3.9.2022	4.9-10.9.2022	11.9-17.9.2022
		-
		-

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

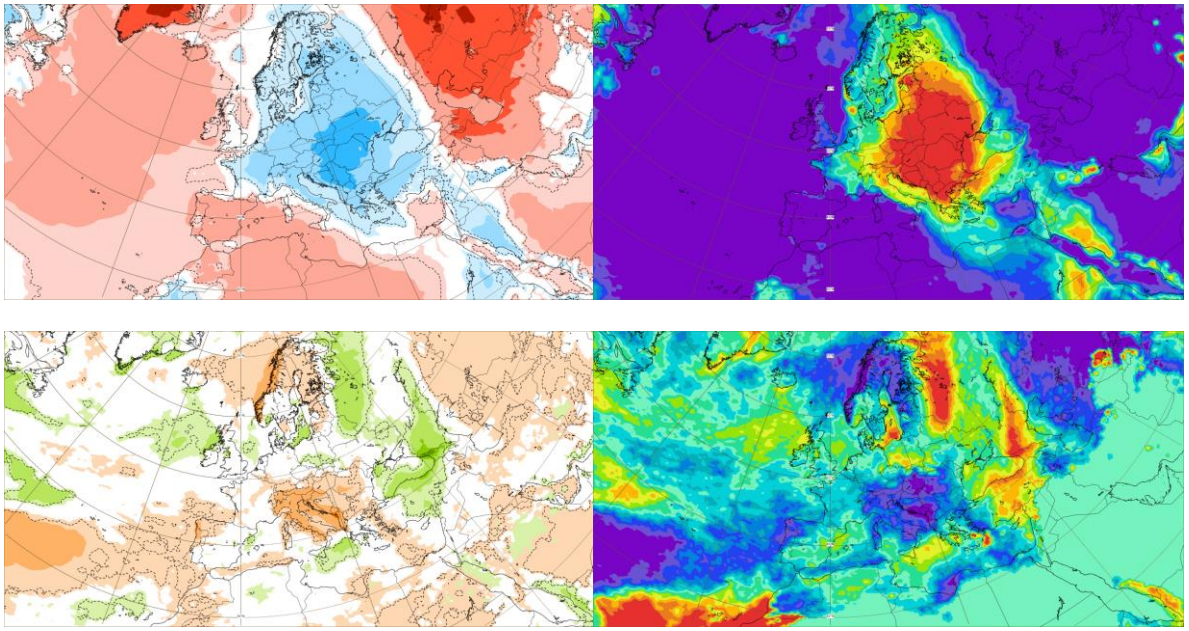


Figure 3. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 19.9–25.9.2022 period

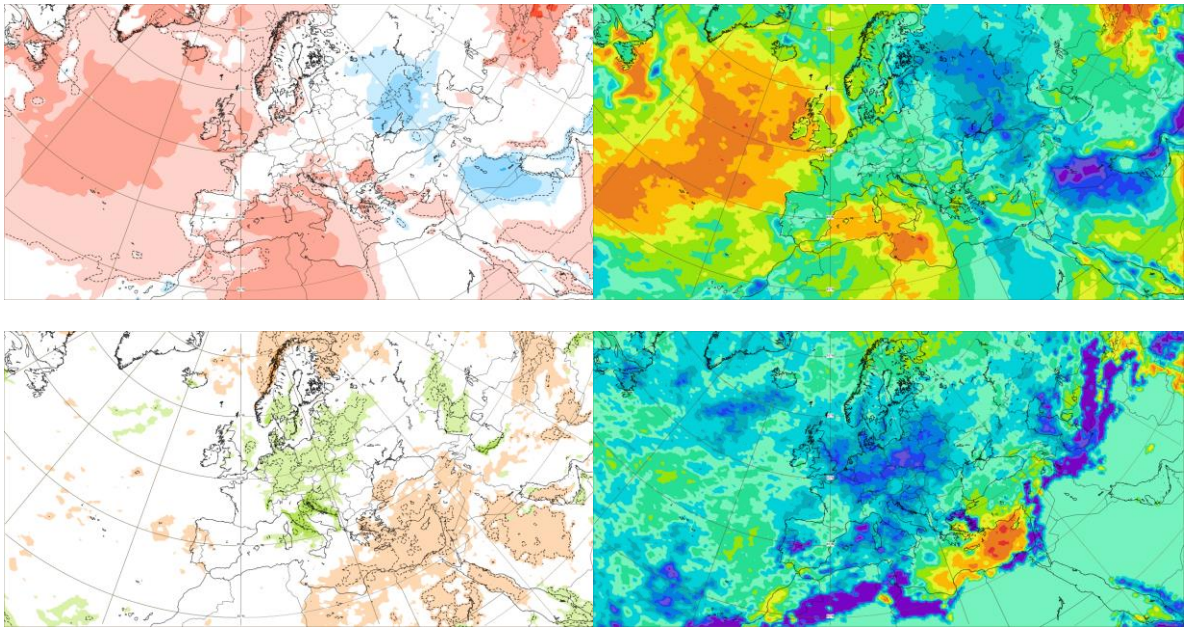


Figure 4. Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 26.9–2.10.2022 period

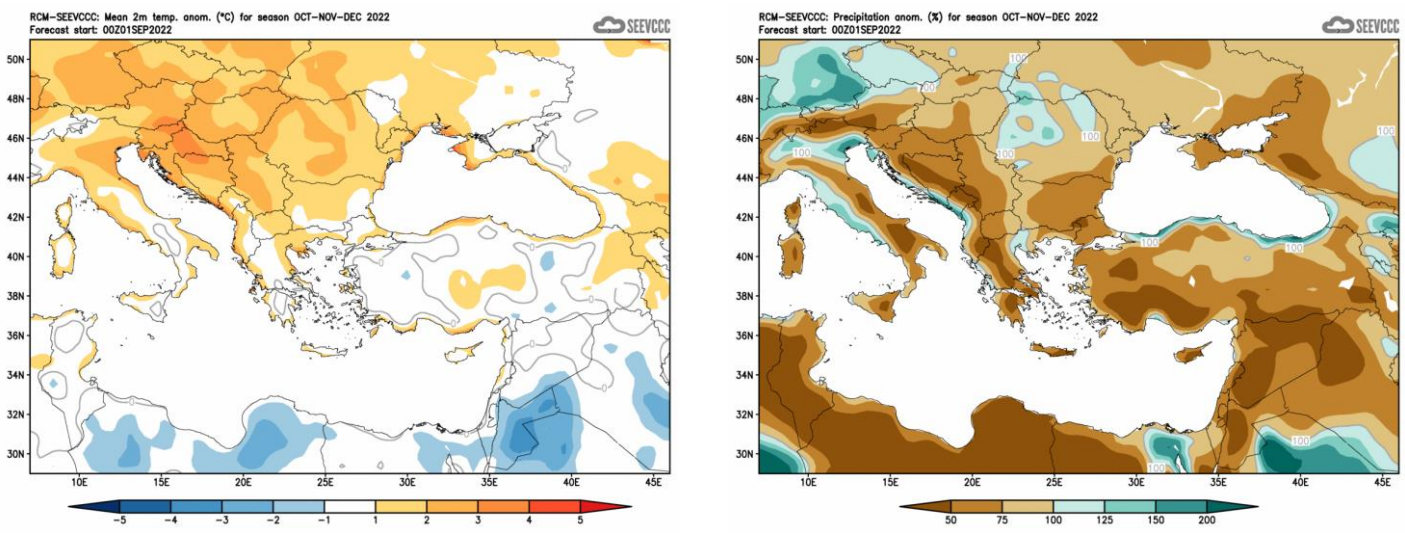


Figure 6. Mean seasonal temperature and precipitation anomaly for the season OND (seasonal outlook from RCM – SEEVCCC)

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/)