# Climate Watch (Serial No.: 20220912–36)

Initial/Updated/Final

Topic: **temperature**

| | |
|---|---|
| Organization issuing the statement: | SEEVCCC |
| Issued/ Amended / Cancelled | 12-9-2022 16:00 P.M. |
| Contact: | E-mail: cws-seevccc@hidmet.gov.rs<br>Phone: +381112066925<br>Fax: +381112066929 |
| Valid from – to: | 12-9-2022 – 31-10-2022 Next amendment: 19-9-2022 |

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

**„Within the first week (12 to 18 September 2022), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly around +3°C in parts of the northwestern Balkans, along Adriatic Sea and parts of the southern Balkans. Probability for exceeding upper tercile is up to 90%. Below average mean weekly air temperature is expected in most of the region with anomaly up to -3°C and with probability up to 90% for exceeding lower tercile. Precipitation surplus is forecasted for most of Turkey and Georgia, with up to 90% probability for exceeding upper tercile. Precipitation deficit is forecast for southern Balkans, south Romania and western Turkey with up to 80% probability for exceeding lower tercile.“**

## Monitoring

During the period from 4 August to 11 September 2022, weekly precipitation sums were up to 150 mm in the northwestern Balkans and northernmost Turkey, while in some parts of the southern Balkans and in the west of Ukraine sums were up to 100 mm. In most of the Western Balkans, part of the Eastern Balkans and the northern and western parts of Ukraine, precipitation totals were up to 75 mm. In rest of the region weekly precipitation totals were up to 25 mm.

## Outlook

Within the first week (12 to 18 September 2022), ECMWF monthly forecast predicts above average mean weekly air temperature, with anomaly around +3°C in parts of the northwestern Balkans, along Adriatic Sea and parts of the southern Balkans. Probability for exceeding upper tercile is up to 90%. Below average mean weekly air temperature is expected in most of the region with anomaly up to -3°C and with probability up to 90% for exceeding lower tercile. Precipitation surplus is forecasted for most of Turkey and Georgia, with up to 90% probability for exceeding upper tercile. Precipitation deficit is forecast for southern Balkans, south Romania and western Turkey with up to 80% probability for exceeding lower tercile.

During the second week (19 to 26 September 2022), above average temperature, with anomaly up to +3°C, is expected in southwestern and east Turkey. Probability for exceeding upper tercile is around 70%. Precipitation surplus is forecasted for most of central and southern Balkans, as well as central Ukraine with around 70% probability for exceeding upper tercile.

During the following three months (September, October and November), seasonal forecast predicts average seasonal air temperature. Precipitation surplus is expected in the Carpathians and the South Caucasus region. Precipitation deficit is predicted for rest of the SEE region.

## Update

An updated statement will be issued on 19-9-2022

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

## ANNEX

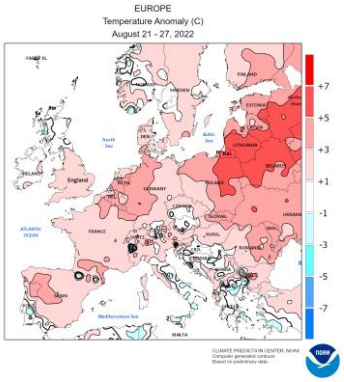
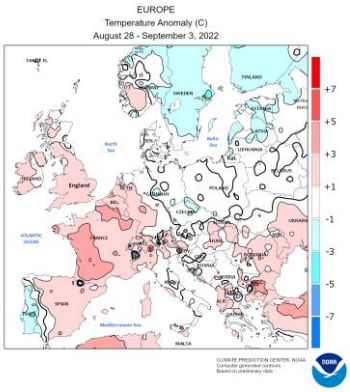
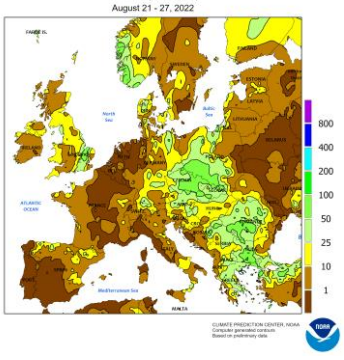
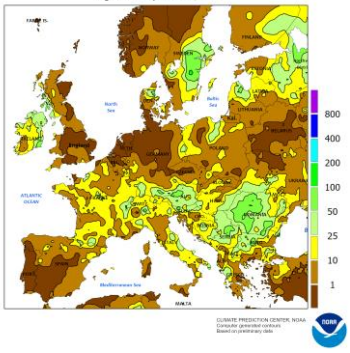
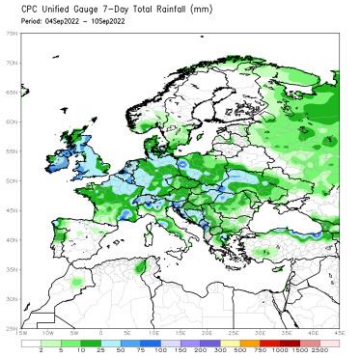
| 21.8-27.8.2022 | 28.8-3.9.2022 | 4.9-10.9.2022 |
|---|---|---|
|  |  | |
|  |  |  |

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

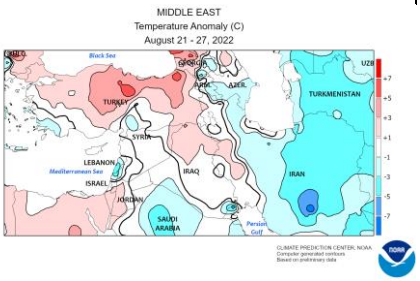
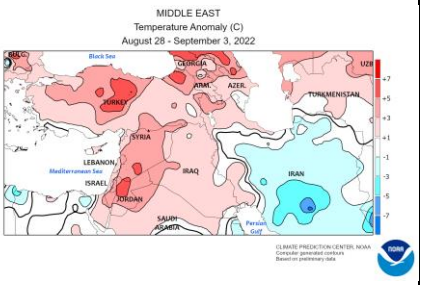
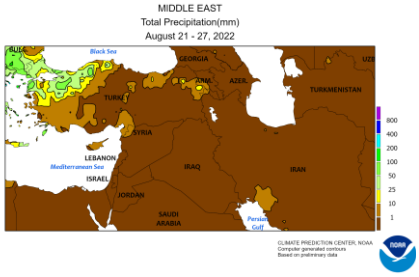
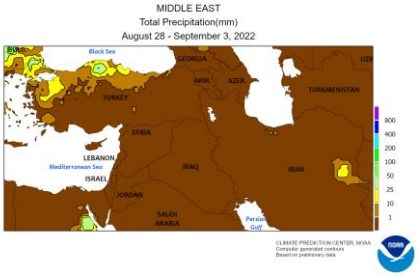
| 21.8-28.8.2022 | 28.8-3.9.2022 | 4.9-10.9.2022 |
|---|---|---|
|  |  | - |
|  |  | - |

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

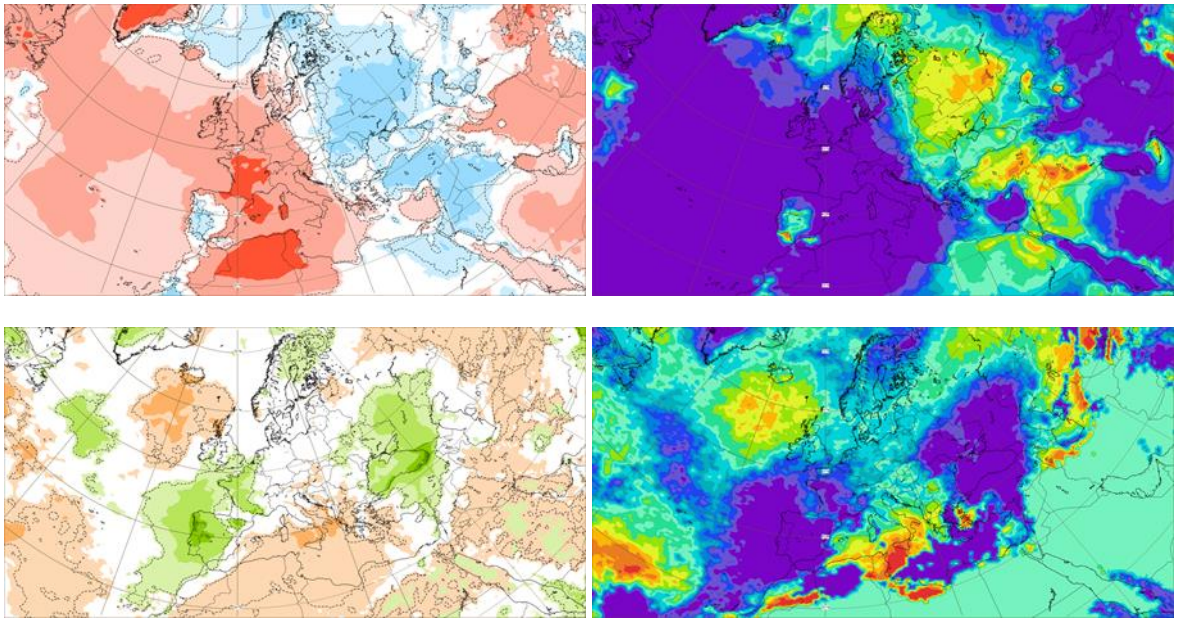


**Figure 3.** Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 12.9–18.9.2022 period

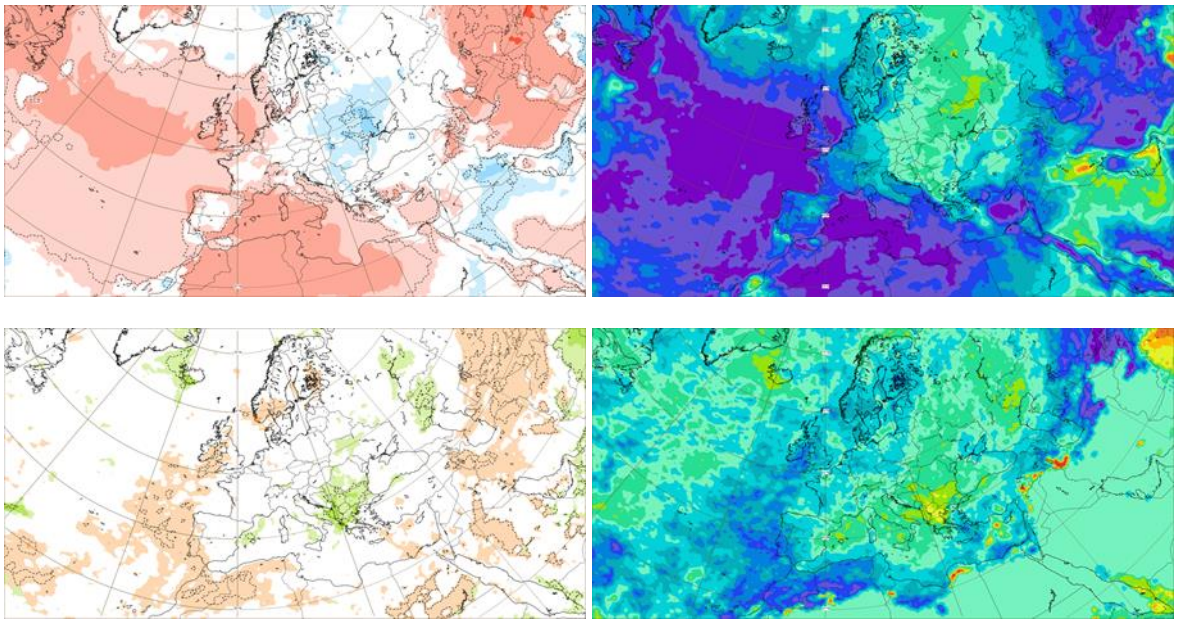


**Figure 4.** Outlook for the temperature anomalies and probability for the upper tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 19.9–26.9.2022 period

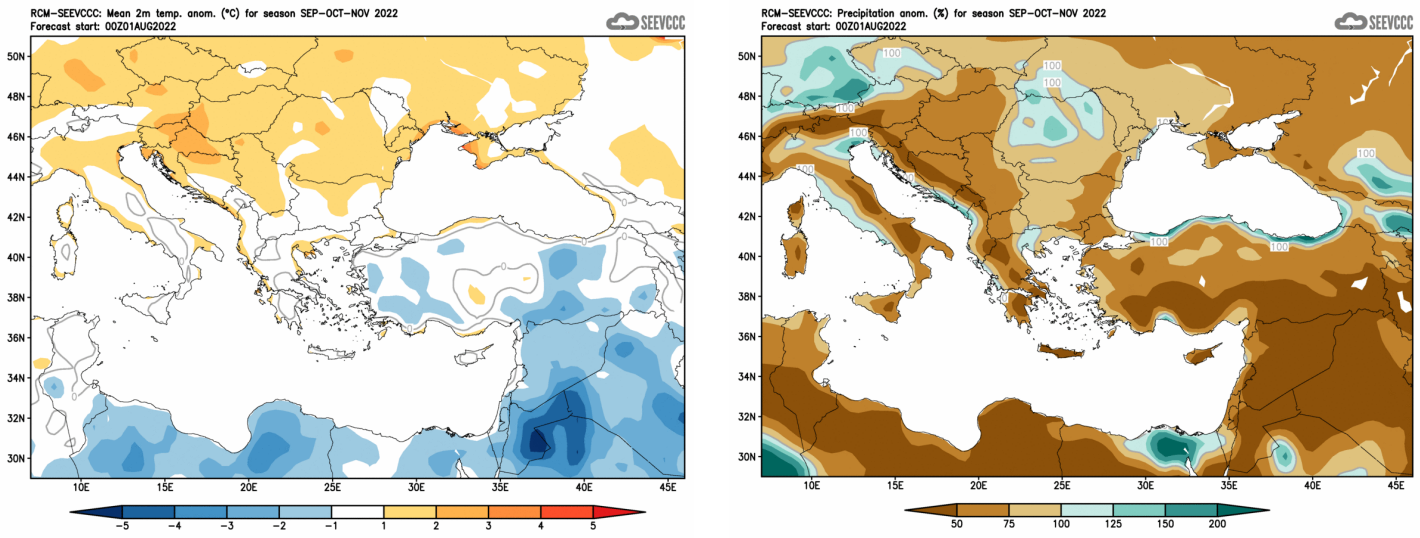



**Figure 6.** Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook from RCM – SEEVCCC)

## 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/)