

Climate Watch (Serial No.: 20211004–40)

Initial/Updated/Final

Topic: **temperature** and **precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 4-10-2021 16:00 P.M.

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Valid from – to: 4-10-2021 – 31-12-2021 Next amendment: 11-10-2021

Region of concern: **Greece, Turkey, South Caucasus, Pannonia Plain**

„In the period from 4 to 10 October 2021, below normal mean weekly air temperature is forecasted for the Aegean Sea, central Turkey and South Caucasus, with anomaly up to –6°C and up to 90% probability for exceeding lower tercile. Precipitation surplus is expected for the Pannonia Plain and some parts of South Caucasus, with up to 80% probability for exceeding upper tercile.“

Monitoring

During the period from 26 September to 2 October 2021, precipitation sums were below 25 mm in most of the region, while in the northwestern and southern Balkans, northern Turkey and Georgia weekly totals reached up to 50 mm, with some locations in the central Balkans receiving more than 50 mm of weekly precipitation.

Outlook

Within the first week (4 to 10 October 2021), ECMWF monthly forecast predicts below normal mean weekly air temperature for the Aegean Sea, central Turkey and South Caucasus, with anomaly up to -6°C and up to 90% probability for exceeding lower tercile. Precipitation surplus is expected for the Pannonia Plain and some parts of South Caucasus, with up to 80% probability for exceeding upper tercile.

During the second week (11 to 17 October 2021), below normal air temperature is predicted for the Aegean Sea, central and northeastern Turkey, with anomaly up to -3°C , and up to 70% probability for exceeding lower tercile. Precipitation deficit is expected along the Adriatic and Ionian Sea coasts, with up to 60% probability for exceeding lower tercile.

During the following three months (October, November and December) seasonal forecast predicts above normal seasonal air temperature for the northwestern Balkans. Precipitation surplus is expected in the Carpathian Mountains, as well as along the coasts of Adriatic and southern Black Sea. Precipitation deficit is predicted for the western and southern Balkans, Cyprus and southern Turkey.

Update

An updated statement will be issued on 11-10-2021

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

ANNEX

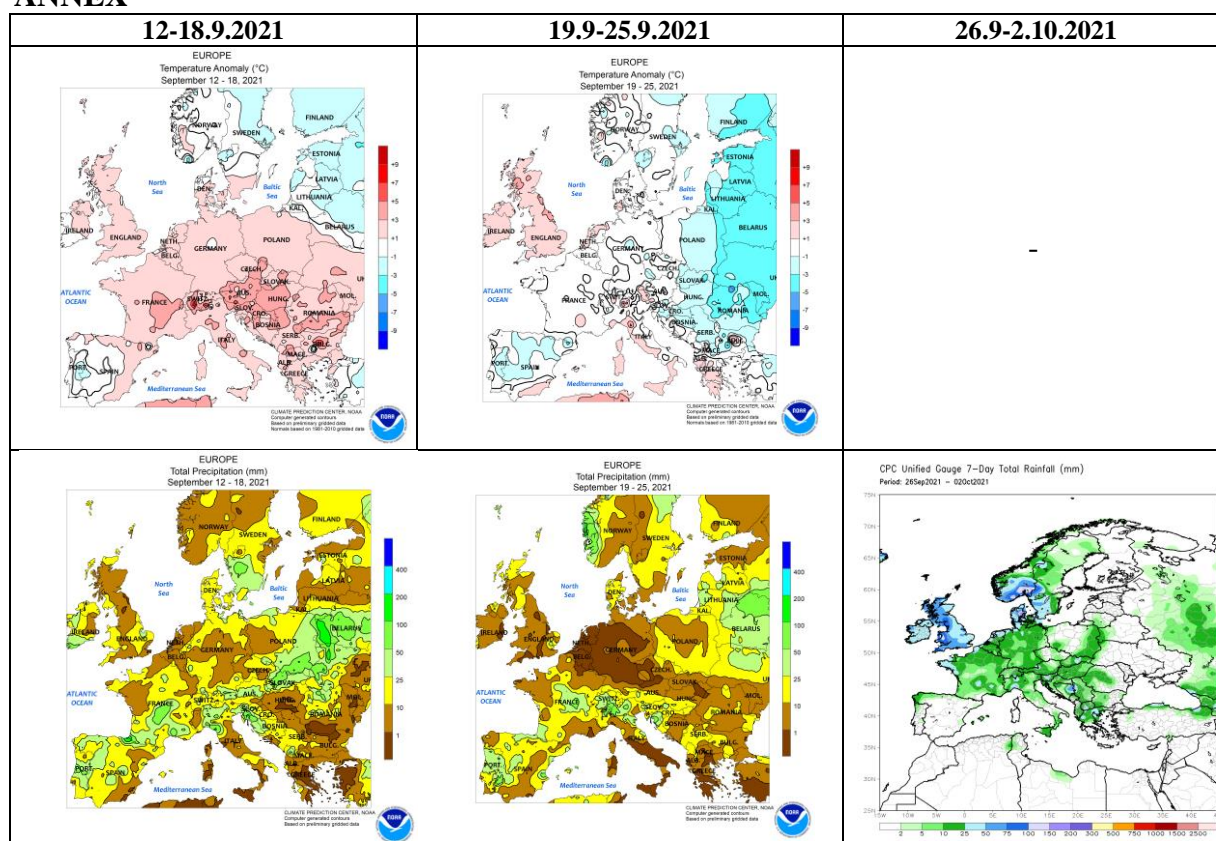


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

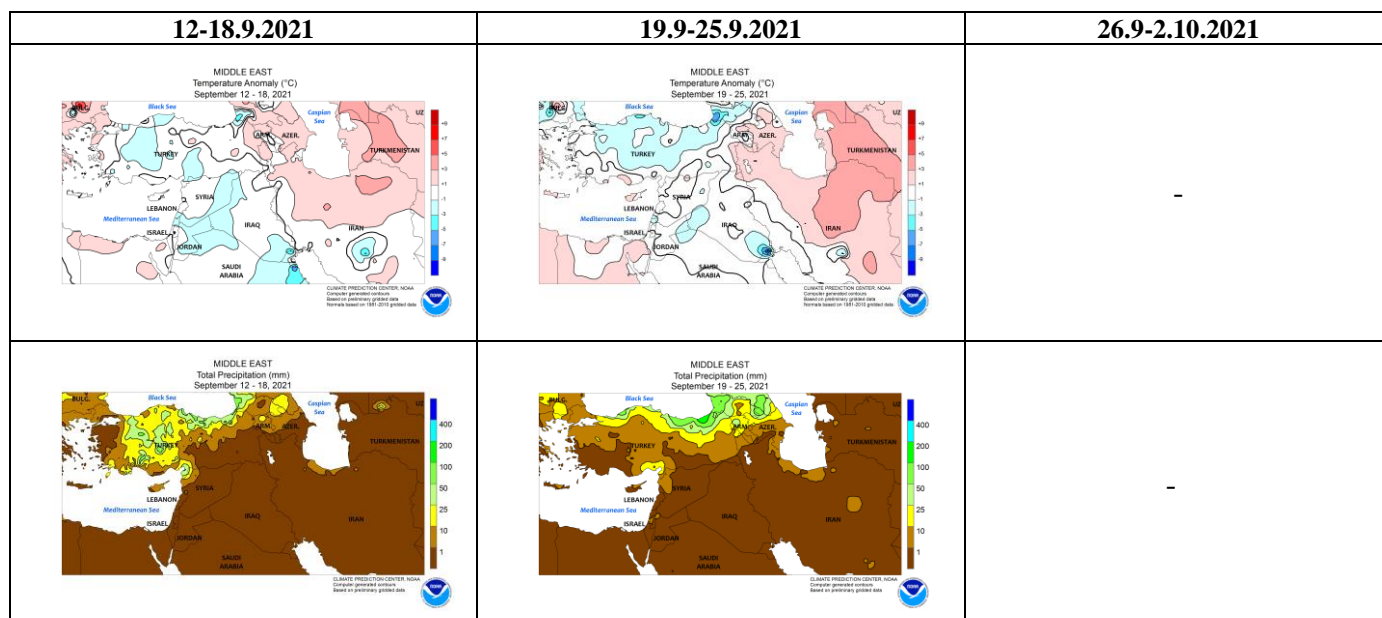


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

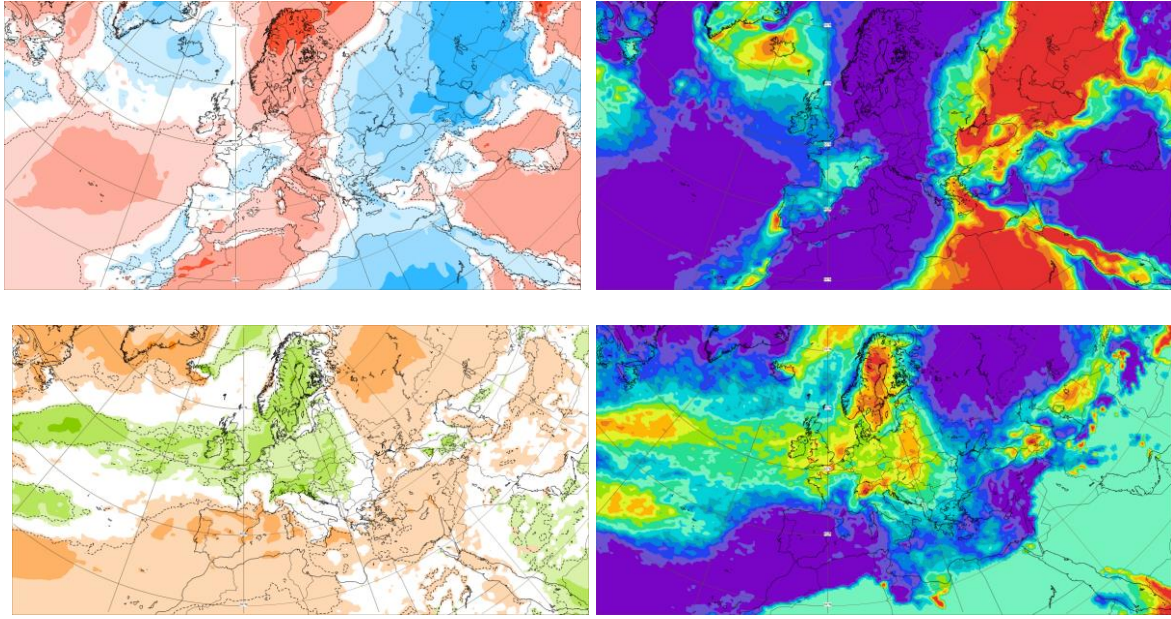


Figure 3. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 4.10–10.10.2021 period

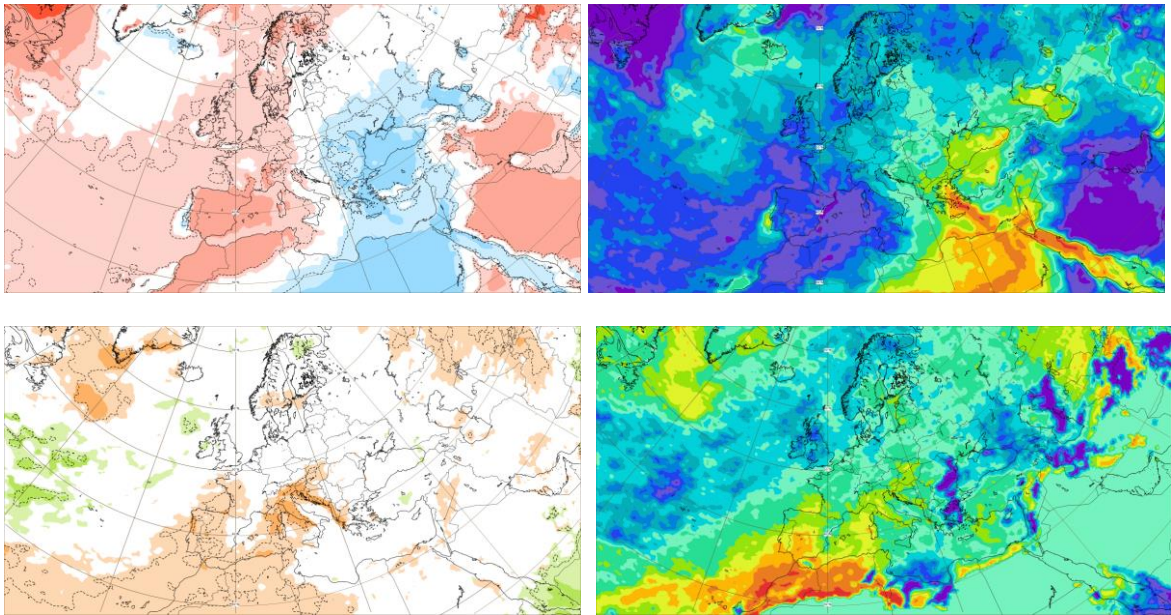


Figure 4. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 11.10–17.10.2021 period

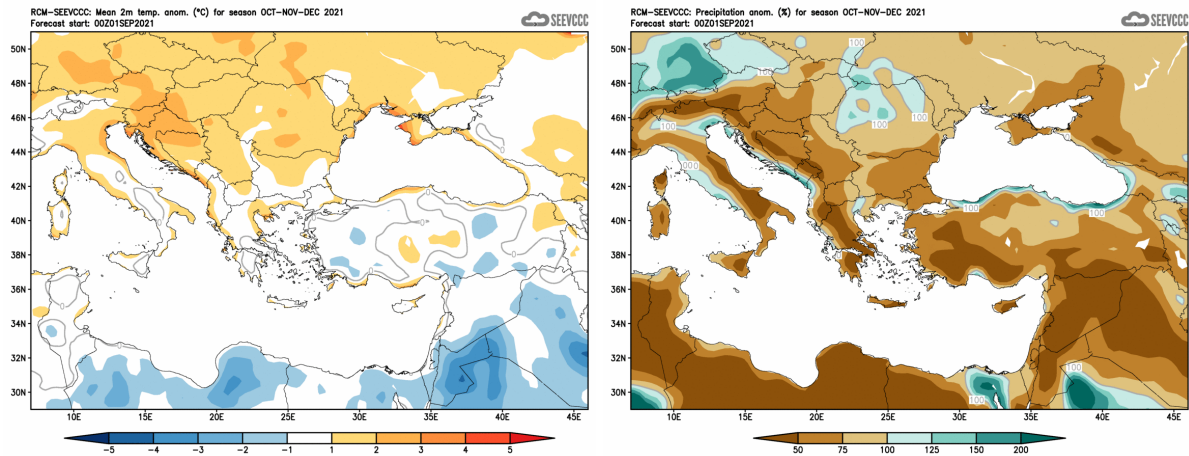


Figure 6. Mean seasonal temperature and precipitation anomaly for the season OND (seasonal outlook from RCM – SEEVCCC)

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/>)