Climate Watch (Serial No.: 20211011–41)

Initial/Updated/Final

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

Organization issuing the statement:	SEEVCCC
Issued/ Amended / Cancelled	11-10-2021 16:00 P.M.
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Valid from – to:	11-10-2021 – 31-12-2021 Next amendment: 18-10-2021

Region of concern: **SEE region**

„In the period from 11 to 17 October 2021, below normal mean weekly air temperature is forecasted for most of the region, with anomaly up to –6°C and up to 90% probability for exceeding lower tercile. Above normal temperature is expected in eastern Ukraine and most of Turkey, as well as South Caucasus, with anomaly up to +3°C and up to 90% probability for exceeding upper tercile. Precipitation surplus is expected for most of the central, southern and eastern Balkans, with around 90% probability for exceeding upper tercile. Precipitation deficit is expected along the Adriatic coast and northwestern Balkans, with up to 70% probability for exceeding lower tercile.“

Monitoring

During the period from 3 to 9 October 2021, precipitation sums were up to 100 mm in the most of the southern and western Balkans, as well as northeastern Turkey. In eastern Greece weekly precipitation totals reached up to 300 mm. In rest of the region precipitation sums were mostly below 25 mm.

Outlook

Within the first week (11 to 17 October 2021), ECMWF monthly forecast predicts below normal mean weekly air temperature for most of the region, with anomaly up to –6°C and up to 90% probability for exceeding lower tercile. Above normal temperature is expected in eastern Ukraine and most of Turkey, as well as South Caucasus, with anomaly up to +3°C and up to 90% probability for exceeding upper tercile. Precipitation surplus is expected for most of the central, southern and eastern Balkans, with around 90% probability for exceeding upper tercile. Precipitation deficit is expected along the Adriatic coast and northwestern Balkans, with up to 70% probability for exceeding lower tercile.

During the second week (18 to 24 October 2021), below normal air temperature is predicted for most of the region, with anomaly up to -3°C, and up to 80% probability for exceeding lower tercile. Precipitation surplus is expected for most of Ukraine, with up to 70% probability for exceeding upper tercile. In rest of the region average precipitation sums are predicted.

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 18-10-2021

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

ANNEX

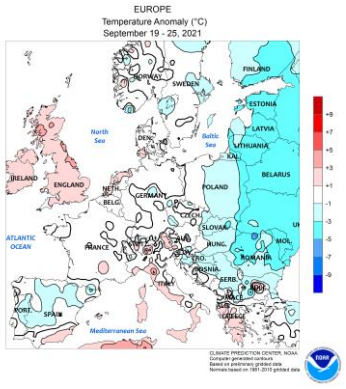
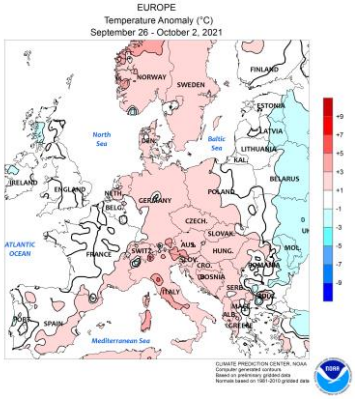
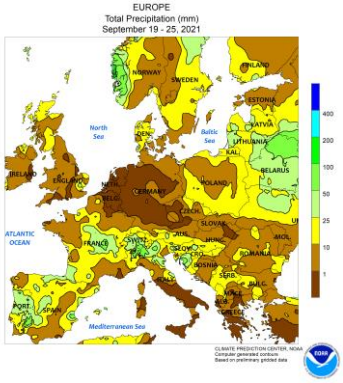
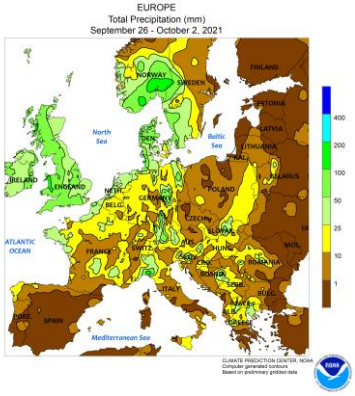
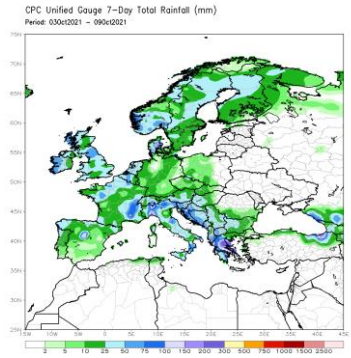
19.9-25.9.2021	26.9-2.10.2021	3-10.10.2021
		
		

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

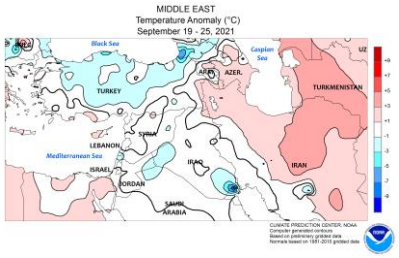
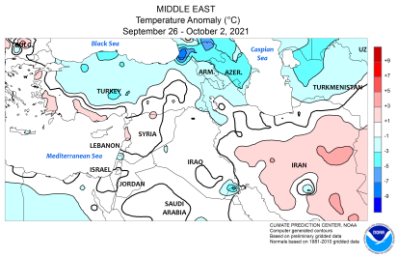
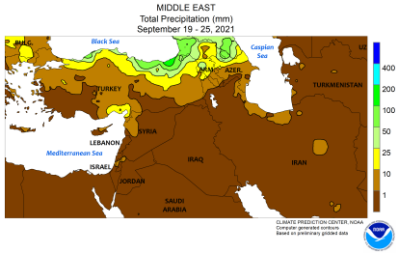
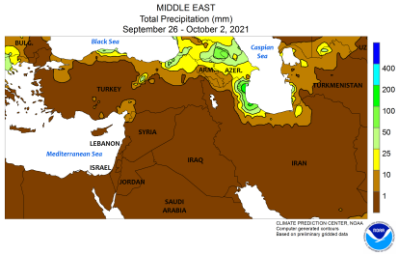
19.9-25.9.2021	26.9-2.10.2021	3-10.10.2021
		
		

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

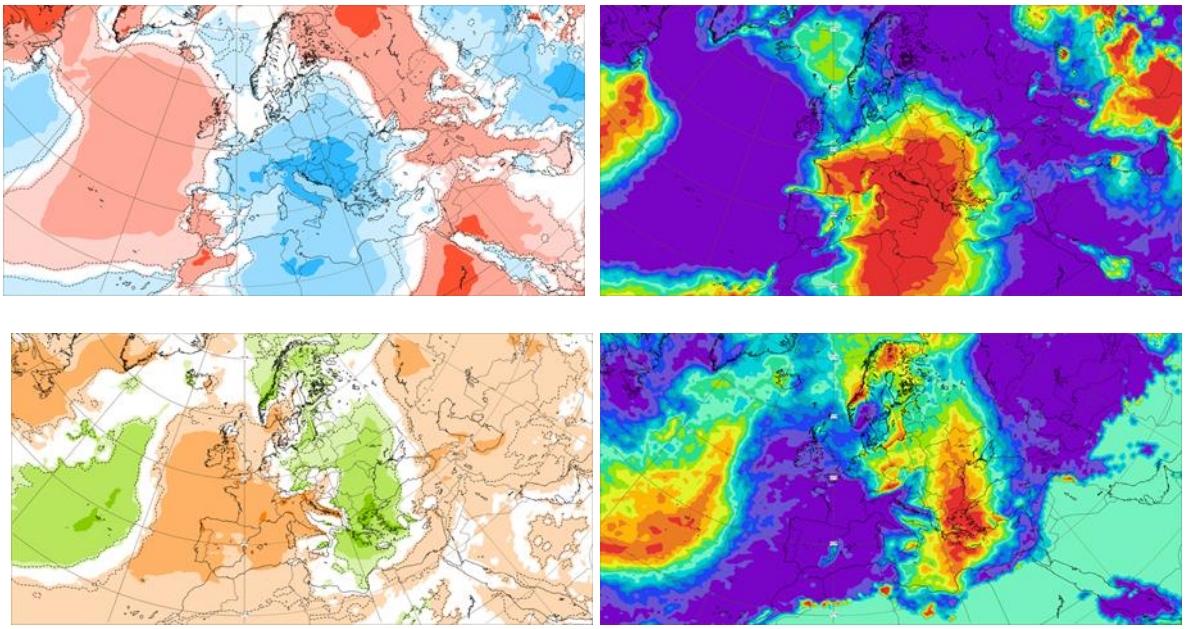


Figure 3. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the upper tercile (lower row) for the 11.10–17.10.2021 period

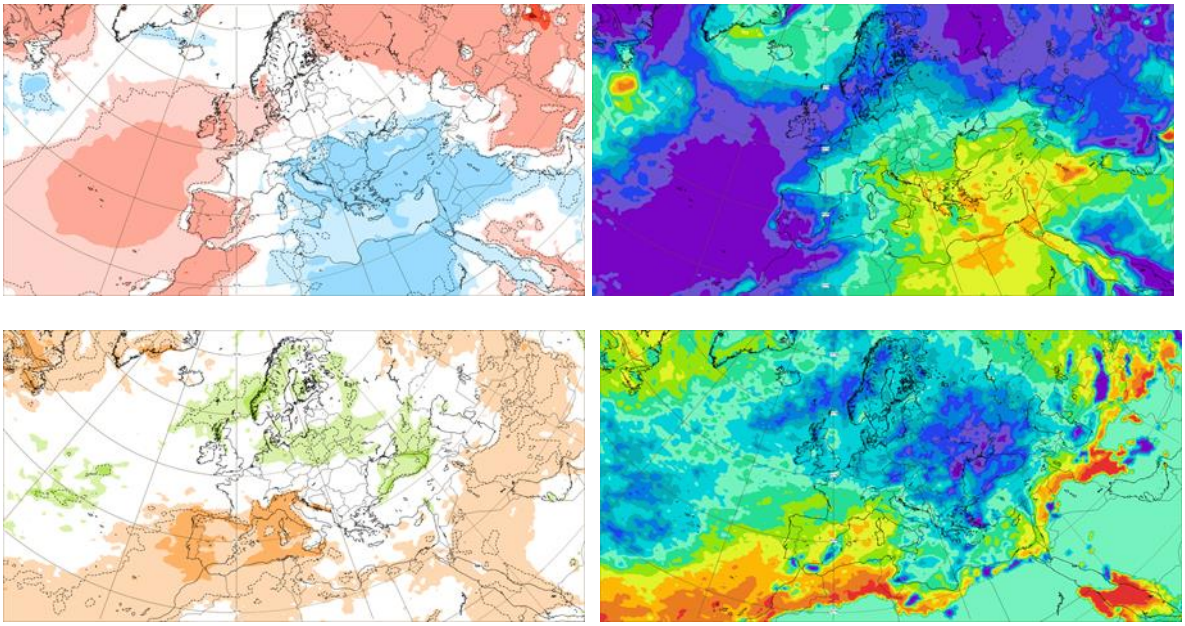


Figure 4. Outlook for the temperature anomalies and probability for the lower tercile (upper row), along with the precipitation surplus/deficit and probability for the lower tercile (lower row) for the 18.10–24.10.2021 period

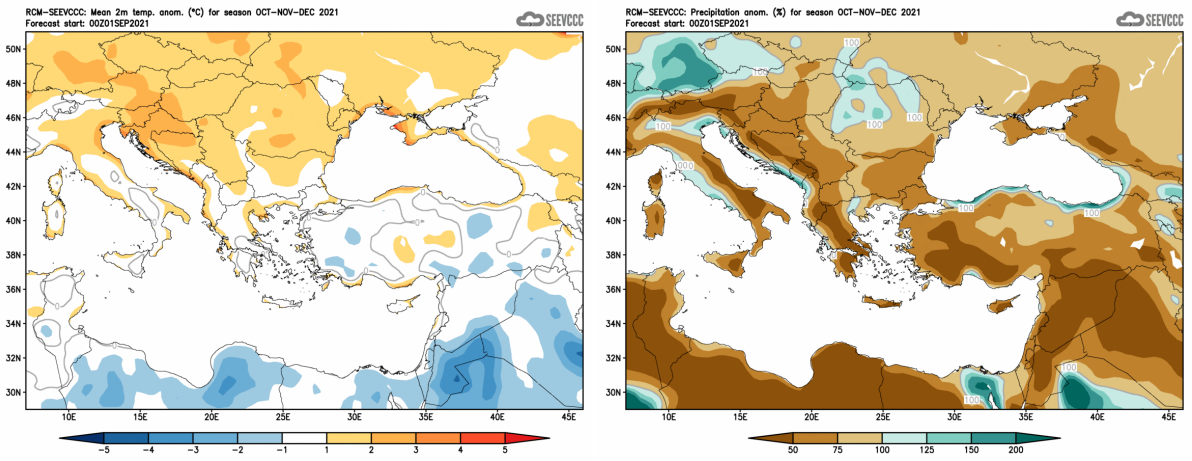


Figure 6. Mean seasonal temperature and precipitation anomaly for the season OND (seasonal outlook from RCM – SEEVCCC)

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/)