

Climate Watch (Serial No.: 20181112 – 00)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

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Valid from – to: 12-11-2018 – 31-01-2019 Next amendment: 19-11-2018

Region of concern: **Ukraine, Cyprus, Turkey, South Caucasus and Middle East**

„In the period from November 12th to December 9th 2018, ECMWF monthly forecast predicts below normal mean monthly air temperature for eastern Ukraine, Cyprus, southern Turkey, South Caucasus and Middle East, with anomaly up to -3°C. Probability for exceeding lower tercile is around 70%. Precipitation surplus is expected in Cyprus, northern and southeastern Turkey, South Caucasus and Middle East, with up to 90% probability for exceeding upper tercile.”

Monitoring

In the period from November 4th to 10th 2018, above normal air temperature was registered in the Balkans, Ukraine, Cyprus, most of Turkey and South Caucasus, with up to +9°C anomaly. Below normal air temperature was recorded in parts of Armenia, southeastern Turkey and Middle East, with up to -3°C anomaly. Precipitation totals were below 10 mm in most of the region. Coastal areas of the western and southern Balkans, southern Turkey and Azerbaijan, received up to 50 mm of precipitation.

Outlook

Within the first week (November 12th to 18th 2018), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +4°C, in the western Balkans, and Pannonia Plain. Below normal mean weekly air temperature, with anomaly up to -4°C, is forecasted for eastern Ukraine, Cyprus, central Turkey, Armenia, Azerbaijan and Middle East. Probability for exceeding upper/lower tercile up to 90%. Precipitation deficit is expected in most of the Balkans and western Turkey with up to 90% probability for exceeding lower tercile. Precipitation surplus is expected in Cyprus, northern and southeastern Turkey, South Caucasus and Middle East, with up to 90% probability for exceeding upper tercile.

During the second week (November 19th to 25th 2018), below normal mean weekly air temperature is predicted for most of the region, with anomaly up to -4°C. Probability for exceeding lower tercile is in a range from 60% in the west, up to 90% in the east of the region. Precipitation deficit is expected in the western Balkans and Ukraine with around 60% probability for exceeding lower tercile. Precipitation surplus is expected in northern Turkey, South Caucasus and Middle East, with up to 80% probability for exceeding upper tercile.

In the period from November 12th to December 9th 2018, below normal mean monthly air temperature is predicted for eastern Ukraine, Cyprus, southern Turkey, South Caucasus and Middle East, with anomaly up to -3°C. Probability for exceeding lower tercile is around 70%. Precipitation surplus is expected in Cyprus, northern and southeastern Turkey, South Caucasus and Middle East, with up to 90% probability for exceeding upper tercile.

During the following three months (November, December and January) seasonal forecast predicts above normal seasonal air temperature for most of the Balkans, Romania, Ukraine, south Caucasus and some locations in central and eastern Turkey. Precipitation surplus is predicted for the Carpathian region, most of South Caucasus, southwestern Ukraine, northernmost and southernmost Turkey and along the Adriatic Sea. Precipitation deficit is expected in most of the western and southern Balkans, western and southwestern Turkey, Cyprus and Jordan.

Update

An updated statement will be issued on 19-11-2018

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

ANNEX

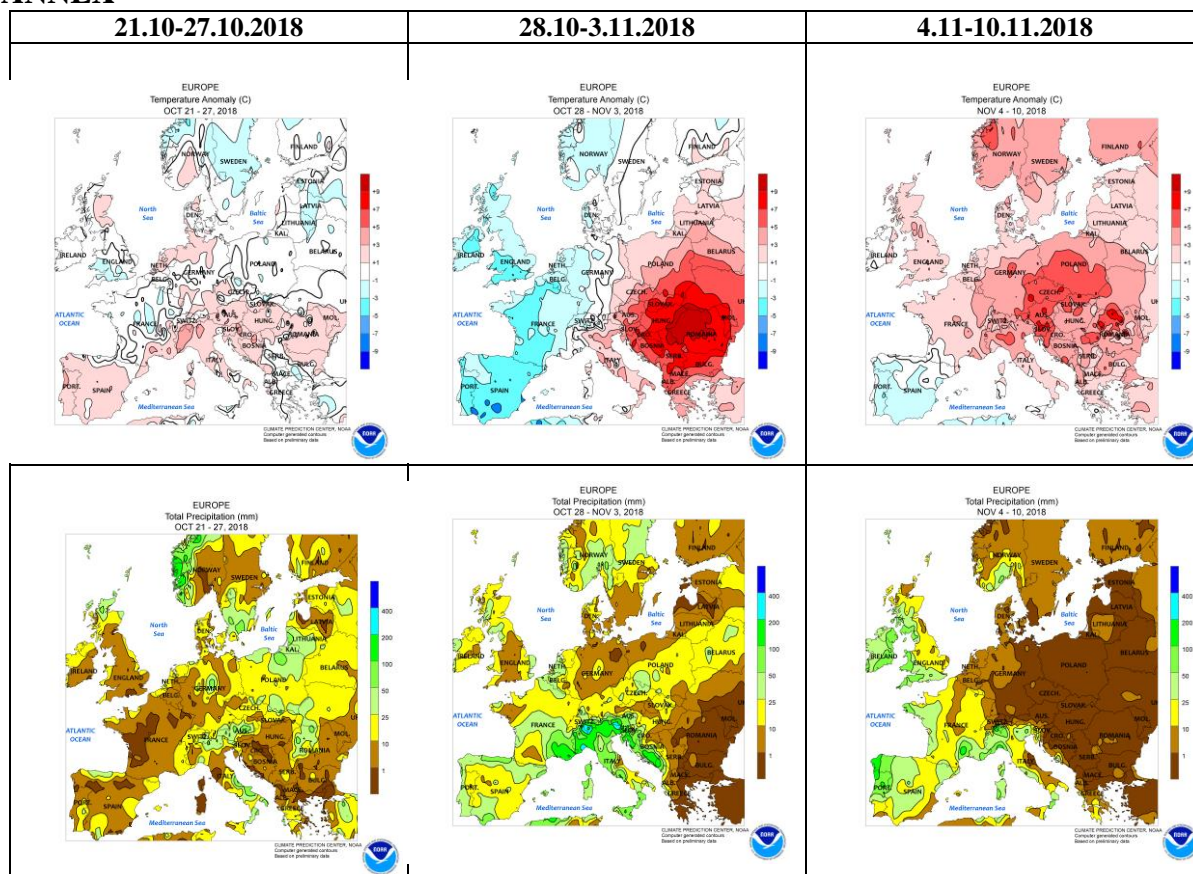


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

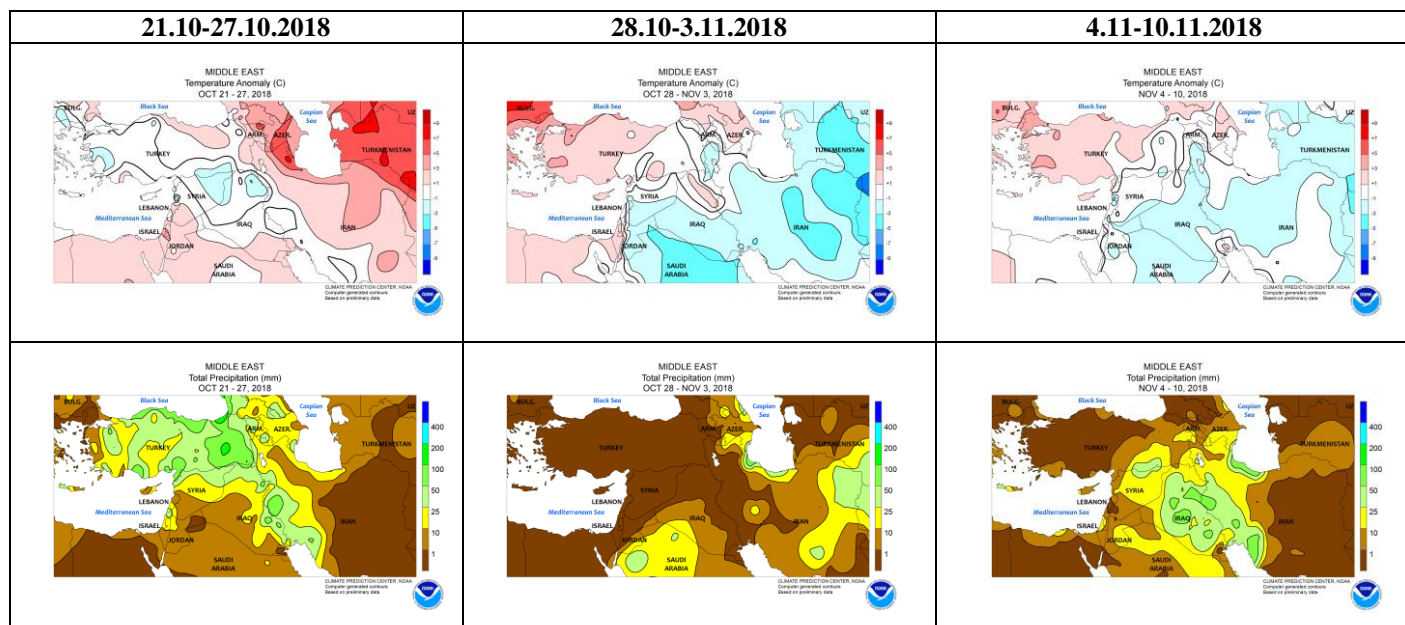


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

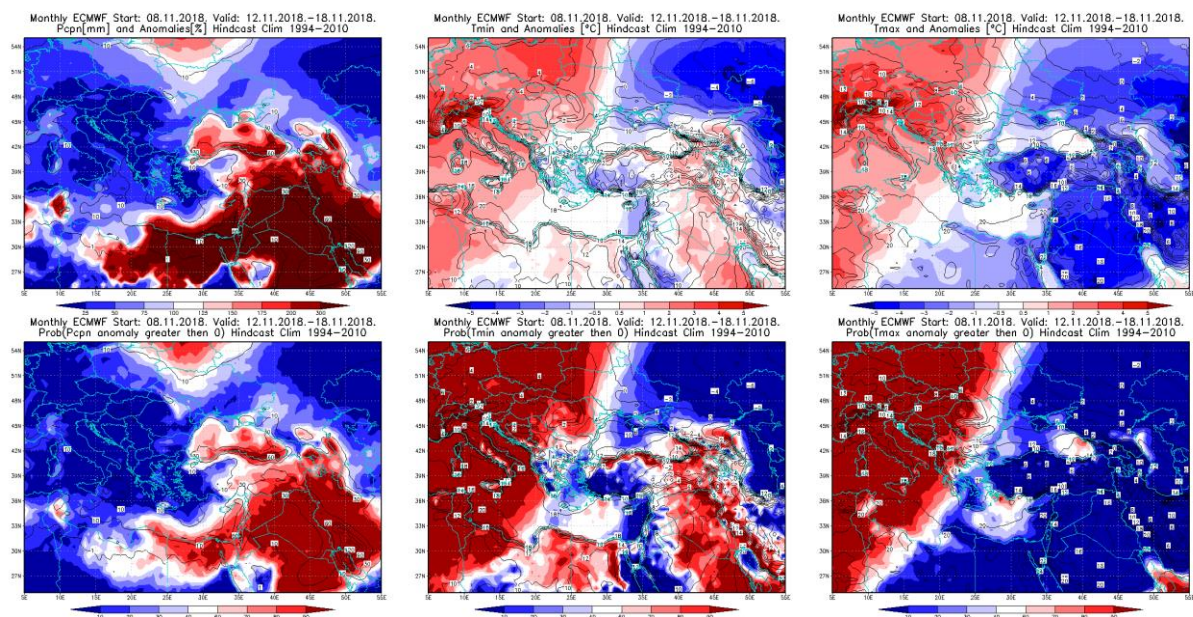


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 12 - 18.11.2018 period

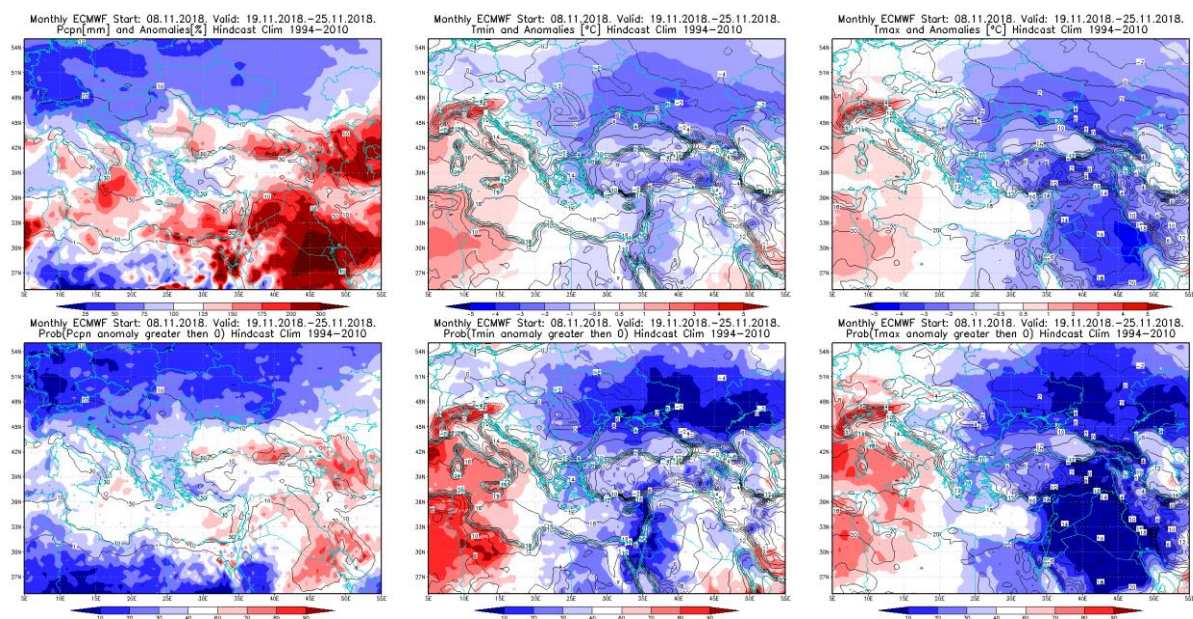


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 19 – 25.11.2018 period

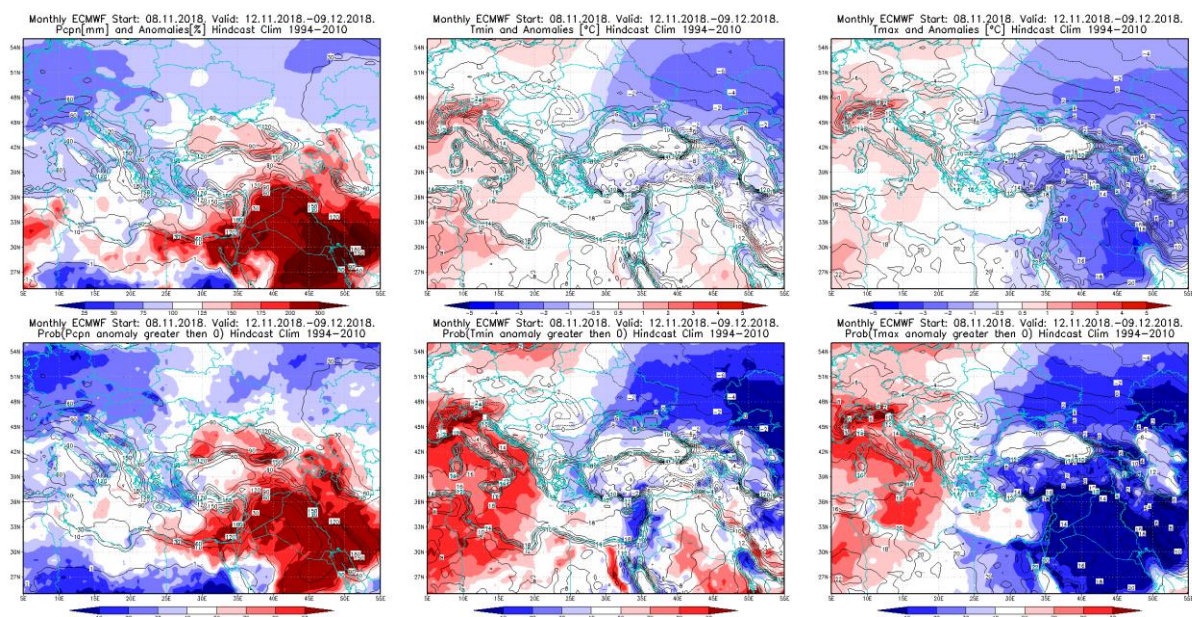


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 12.11 – 9.12.2018 period

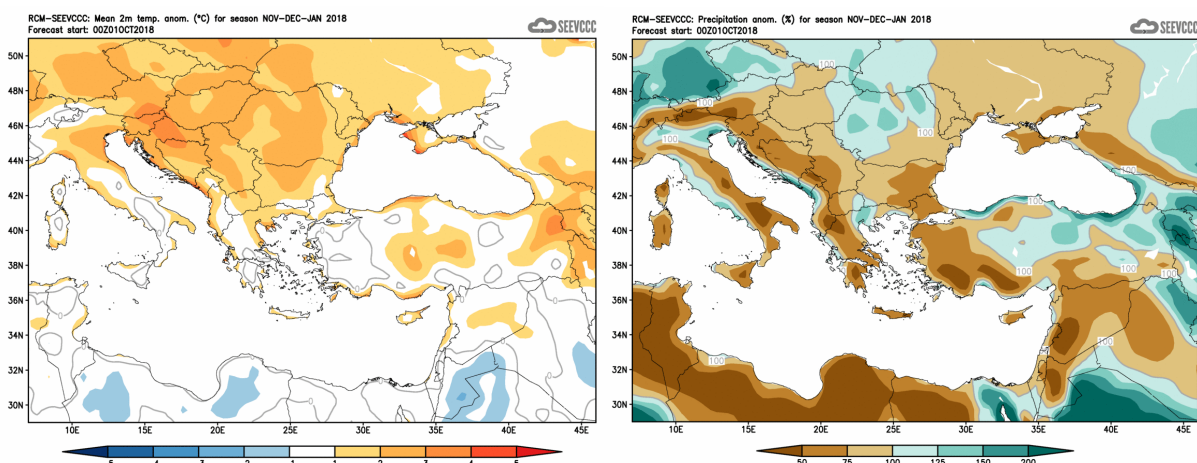


Figure 6. Mean seasonal temperature and precipitation anomaly for the season NDJ (seasonal outlook from RCM – SEEVCCC)

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/>)