

Climate Watch (Serial No.: 20161024– 00)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

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Cancelled

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Valid from – to: 24-10-2016– 6-11-2016 Next amendment: 31-10-2016

Region of concern: **Ukraine, South Caucasus**

„In the period from October 24th to 30th 2016, below normal mean weekly air temperature, with anomaly up to -4°C is expected in Moldova, Ukraine and South Caucasus. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected in Ukraine and South Caucasus with up to 90% probability for exceeding upper tercile.”

Monitoring

In the period from October 16th to 22nd 2016, below normal air temperature¹ was registered in the eastern Balkans, northern Turkey and South Caucasus, with anomaly up to -7°C. Above normal air temperature, with anomaly up to +3°C was observed in the southwestern Balkans, Cyprus, southern Turkey and Middle East. Weekly precipitation sums reached 200 mm along southeastern coast of the Black Sea and Caspian Sea, while western, central and southern parts of the Balkans received up to 100 mm of precipitation. In the remainder of the region precipitation totals were below 25 mm.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (October 24th to 30th, 2016), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly up to -4°C, in Moldova, Ukraine and South Caucasus. Above normal mean weekly air temperature, with anomaly up to +2°C, is expected in Cyprus, southern Turkey and Middle East. Probability for exceeding lower/upper tercile is up to 90%. Precipitation surplus is expected in Ukraine and South Caucasus with up to 90% probability for exceeding upper tercile.

During the second week (October 31st to November 6th, 2016), below normal mean weekly air temperature is expected in the Balkans and South Caucasus with anomaly up to -2°C and around 60% probability for exceeding upper tercile. Precipitation surplus is expected in northern and eastern Ukraine and some parts of South Caucasus, but with less confidence.

In the period from October 24th to November 20th 2016, below normal mean monthly air temperature is expected in South Caucasus with anomaly up to -2°C. Above normal mean monthly air temperature, with anomaly up to +2°C, is expected in Cyprus, southern Turkey and Middle East. Probability for exceeding lower/upper tercile is up to 70%. Precipitation surplus is predicted in northern Ukraine and South Caucasus with probability of up to 90% and around 60% for exceeding upper tercile, respectively.

During the following three months (November, December and January) SEEVCCC seasonal forecast predicts above normal seasonal air temperature in most of the Balkans, central and eastern Turkey, as well as South Caucasus. Precipitation surplus is predicted along Adriatic coast, over the Carpathian Mountains, coastal parts of northern and southern Turkey and South Caucasus, while precipitation deficit is expected over most of the Balkans, southern Turkey, most of Cyprus and Jordan.

Update

An updated statement will be issued on 31-10-2016

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

ANNEX

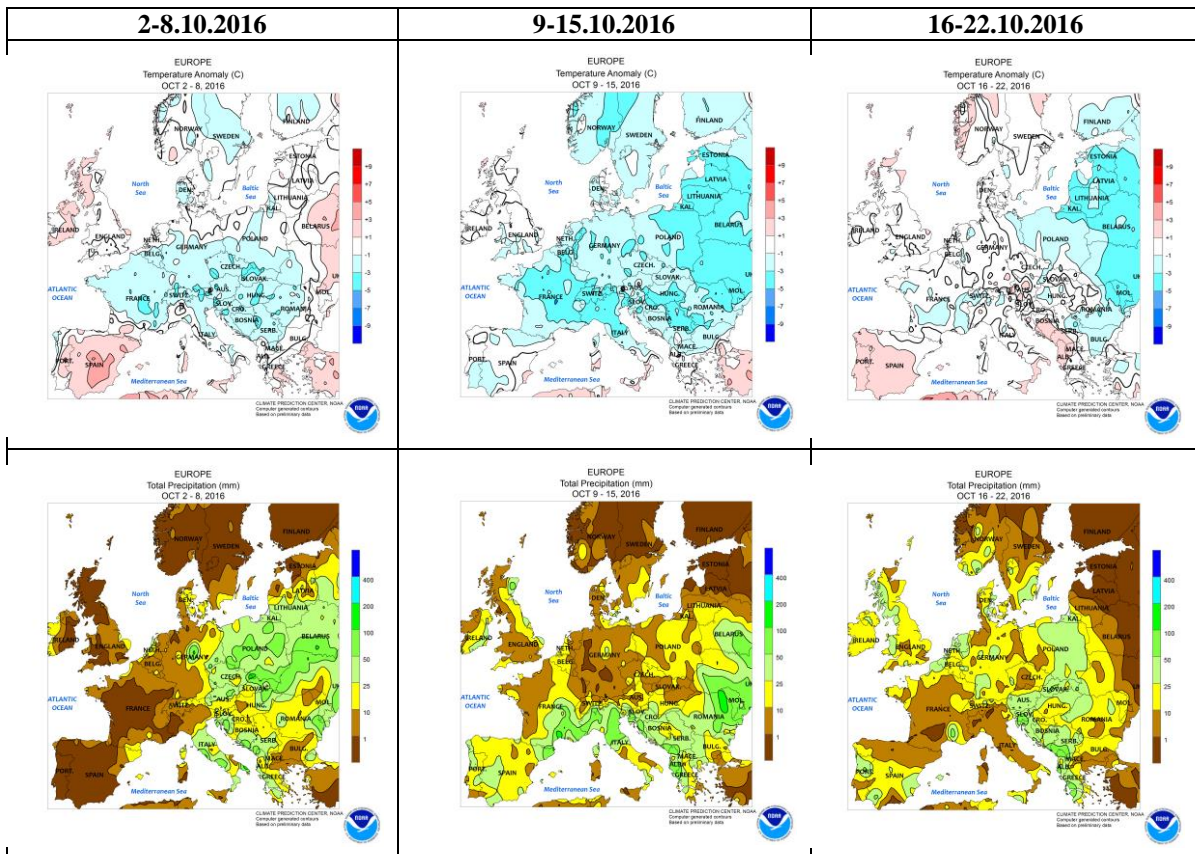


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

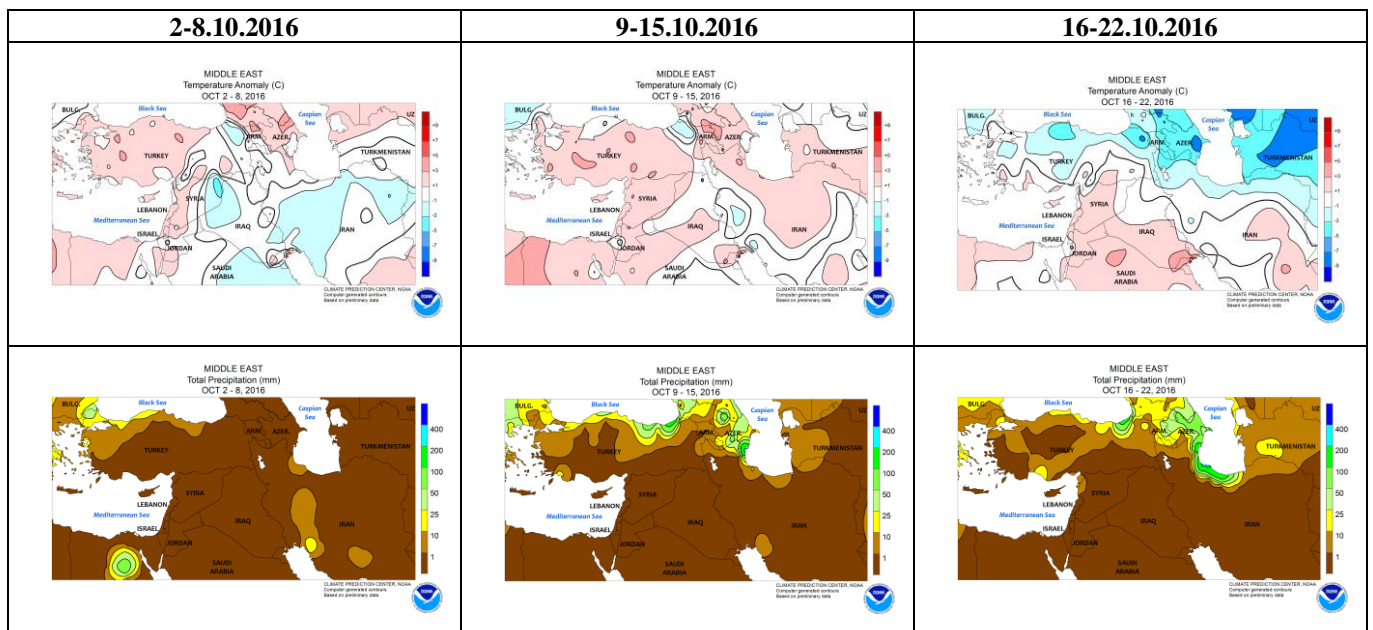


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

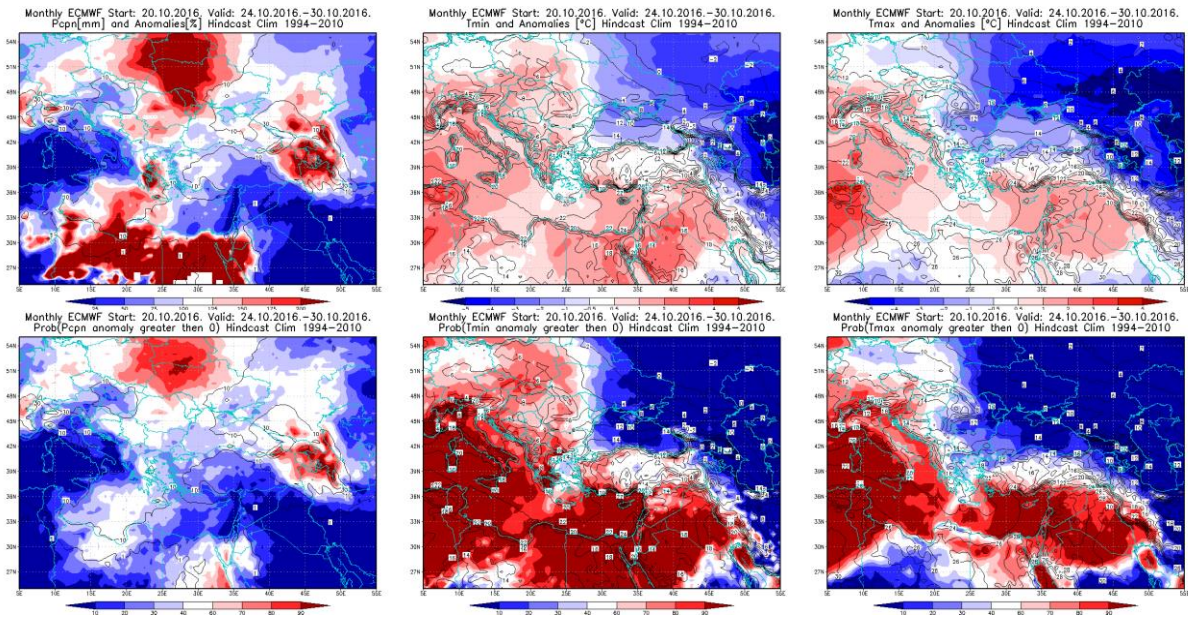


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation 24 – 30.10.2016 period

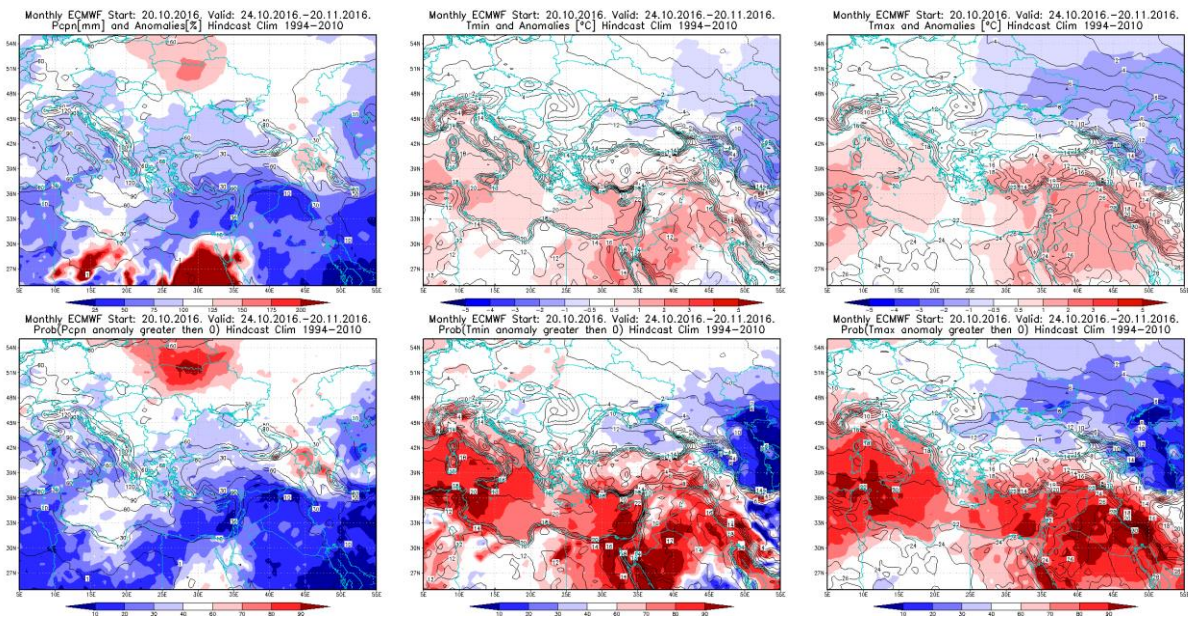


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 24.10– 20.11.2016 period

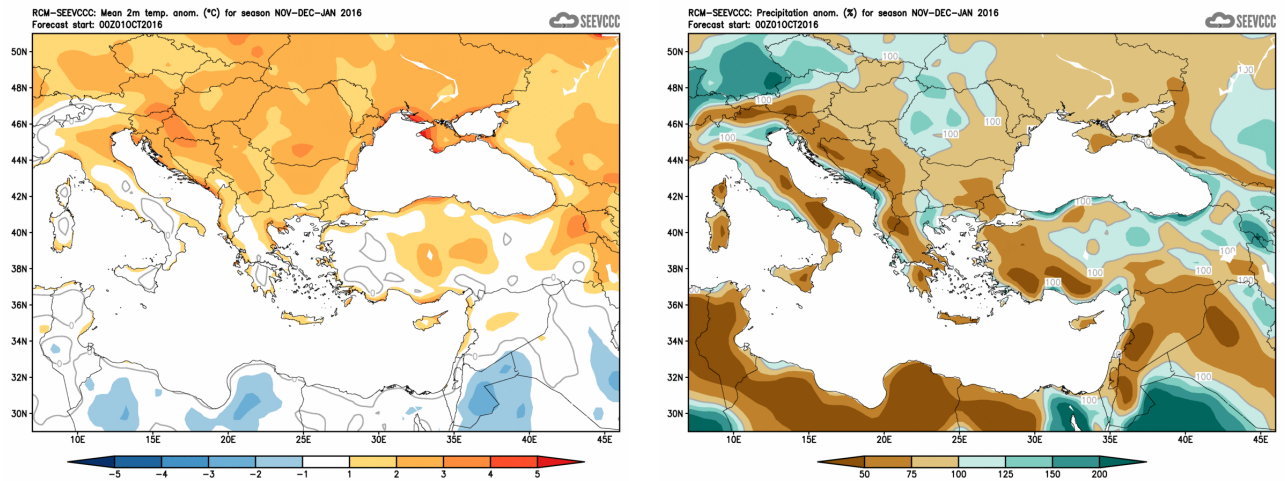


Figure 5. Mean seasonal temperature and precipitation anomaly for the season NDJ (seasonal outlook from RCM – SEEVCCC)

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/>)