

Climate Watch (Serial No.: 20161128– 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: 28-11-2016– 11-12-2016 Next amendment: 5-12-2016

Region of concern: **SEE region**

„In the period from November 28th to December 4th 2016, below normal mean weekly air temperature is forecasted, with anomaly up to -5°C, in central and northern Turkey up to -6°C. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected in Turkey, Mediterranean Sea, south Caucasus and Middle East, with probability around 90% for exceeding upper tercile.”

Monitoring

In the period from November 20th to 26th 2016, above normal air temperature¹, with anomaly up to +7°C, was observed in the Balkans and western Turkey, while in western part of the Balkans temperature anomaly was up to +9°C. Below normal air temperature, with anomaly up to -5°C was observed in most of Turkey and up to -7°C in most of South Caucasus. Weekly precipitation sums reached 50 mm along western coasts of Adriatic Sea. In the remainder of the region precipitation totals were below 10 mm.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (November 28th to December 4th, 2016), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly up to -5°C, in central and northern Turkey up to -6°C. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected in Turkey, Mediterranean Sea, south Caucasus and Middle East, with probability around 90% for exceeding upper tercile. Precipitation deficit is predicted for the Balkans, Moldova and central Ukraine, with up to 80% probability for exceeding lower tercile.

During the second week (December 5th to 11th, 2016), below normal mean weekly air temperature, with anomaly -4°C, is predicted for Turkey and south Caucasus. Probability for exceeding lower tercile is up to 80%. Precipitation surplus is expected in most of the Balkans, Ukraine, western and eastern Turkey and south Caucasus, with around 60% probability for exceeding upper tercile.

In the period from November 28th to December 25th 2016, below normal mean monthly air temperature, with anomaly up to -3°C, is expected in most of Turkey, western part of south Caucasus, western Romania, eastern and southeastern Moldova and most of Ukraine with around 60% probability for exceeding lower tercile. Precipitation surplus is predicted in Turkey, south Caucasus, eastern and western Ukraine, eastern Cyprus and southern Israel, with around 70% probability for exceeding upper tercile.

During the following three months (December, January and February) 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 and Ionian coasts, 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 5-12-2016

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

ANNEX

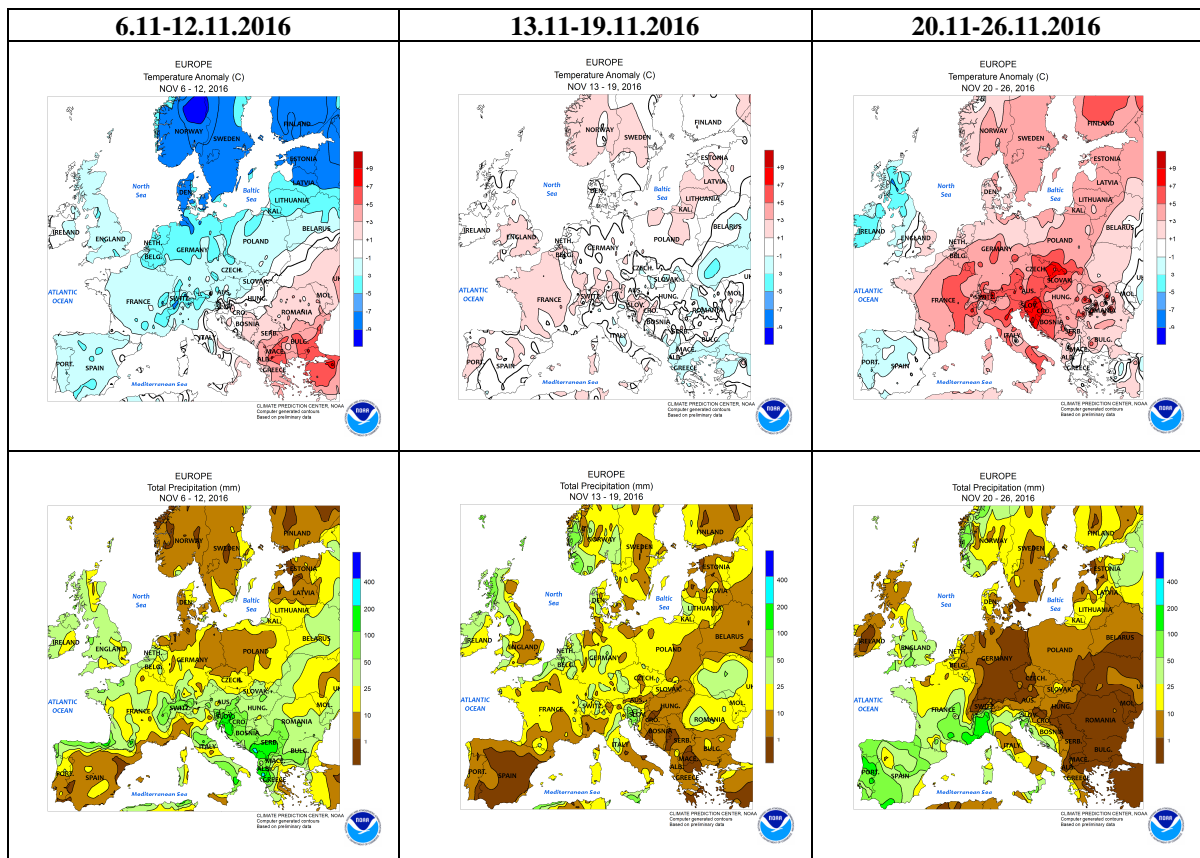


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

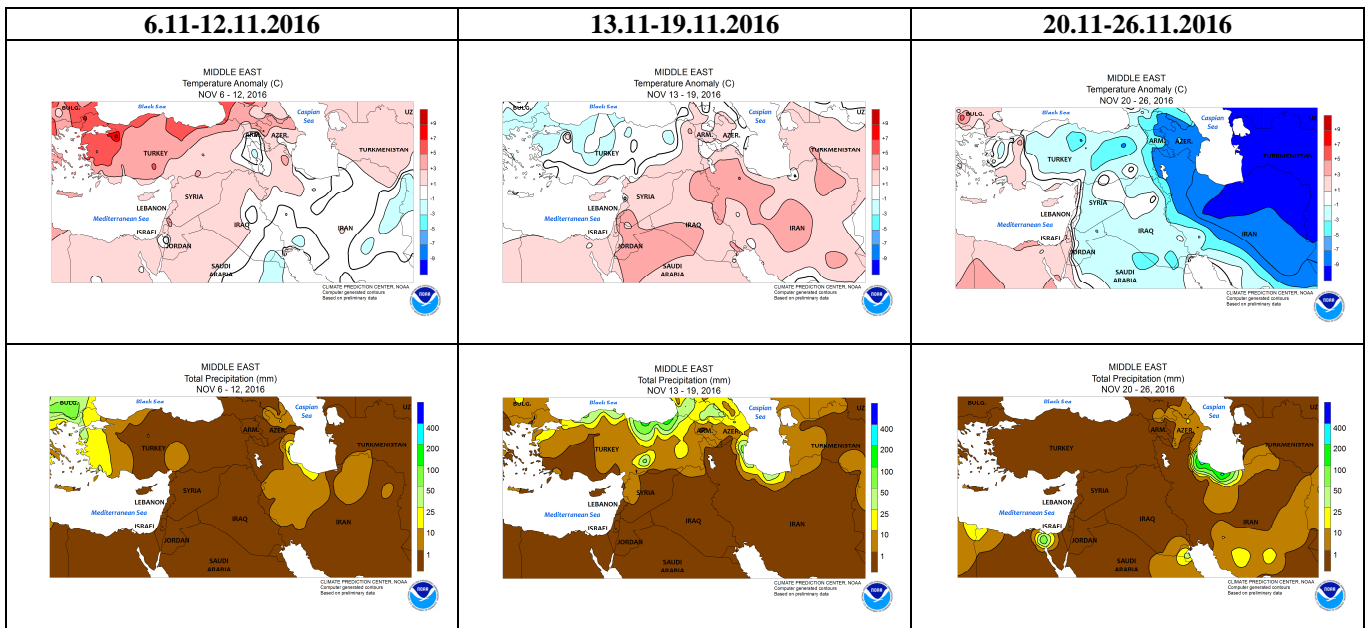


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

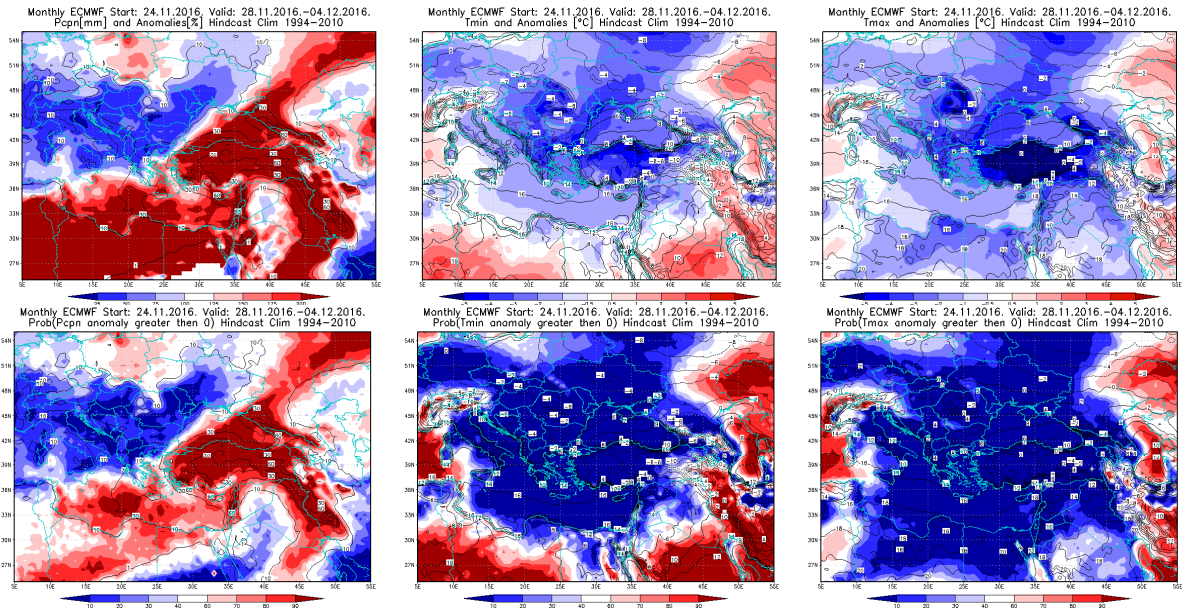


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation 28.11 – 4.12.2016 period

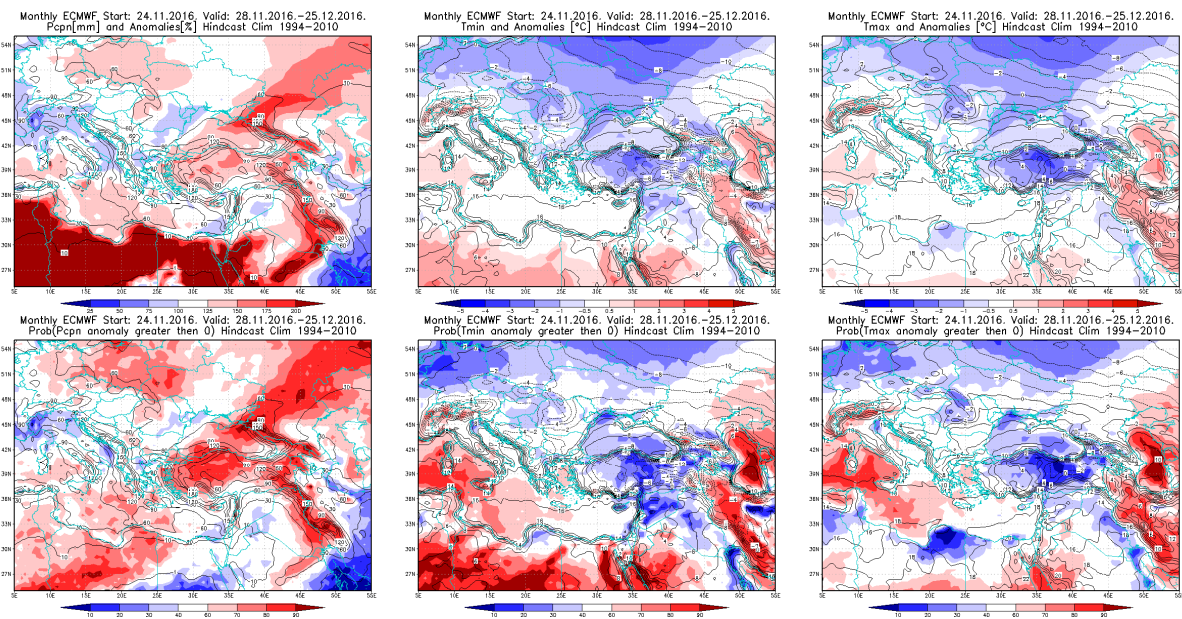


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 28.11– 25.12.2016 period

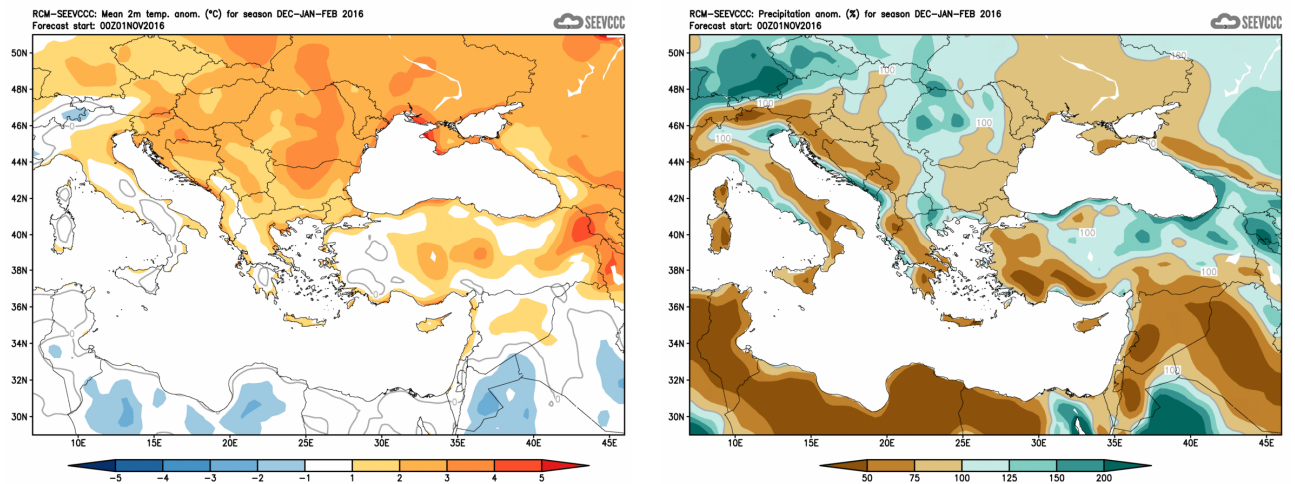


Figure 5. Mean seasonal temperature and precipitation anomaly for the season DJF (seasonal outlook from RCM – SEEVCCC)

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/>)