

Climate Watch (Serial No.: 20161226– 00)

Initial/Updated/Final

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

Organization issuing SEEVCCC

the statement:

Issued/ Amended / 26-12-2016 12:00 P.M.
Cancelled

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Valid from – to: 26-12-2016– 22-1-2017 Next amendment: 30-12-2016

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

„In the period from December 26th 2016 to January 15th 2017, below normal mean monthly air temperature, with up to -6°C anomaly, is expected in southern Greece, Cyprus, Turkey, South Caucasus and Middle East. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected in Cyprus, northern, eastern and southern Turkey, South Caucasus and Middle East. Probability for exceeding upper tercile is up to 90%”

Monitoring

In the period from December 18th to 24th 2016, below normal air temperature¹ was observed in most of the region, with anomaly exceeding -9°C in eastern Turkey and Armenia. Above normal air temperature, with anomaly up to +3°C, was observed in Ukraine, Carpathian Mountains and along the coast of Adriatic Sea. Weekly precipitation sums were below 10 mm in most parts of the region except in Cyprus and Jordan (up to 50 mm) as well as southern Greece islands, northwestern and southern Turkey that received 100 mm of precipitation.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (December 26th 2016 to January 1st 2017), ECMWF monthly forecast predicts below normal mean weekly air temperature, with up to -6°C anomaly, in southern Ukraine, southern Greece, Cyprus, Turkey, South Caucasus and Middle East. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected in Cyprus, northern, eastern and southern Turkey, South Caucasus and Middle East. Probability for exceeding upper tercile is up to 90%.

During the second week (January 2nd to 8th 2016), below normal mean weekly air temperature, with up to -6°C anomaly, is predicted for Cyprus, Turkey, South Caucasus and Middle East. Probability for exceeding lower tercile is up to 90%. Average precipitation sums are expected for most of the region.

In the period from December 26th 2016 to January 15th 2017, below normal mean monthly air temperature, with up to -6°C anomaly, is expected in southern Greece, Cyprus, Turkey, South Caucasus and Middle East. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected in northern Turkey, with up to 70% probability for exceeding upper tercile.

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

Update

An updated statement will be issued on 30-12-2016

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

ANNEX

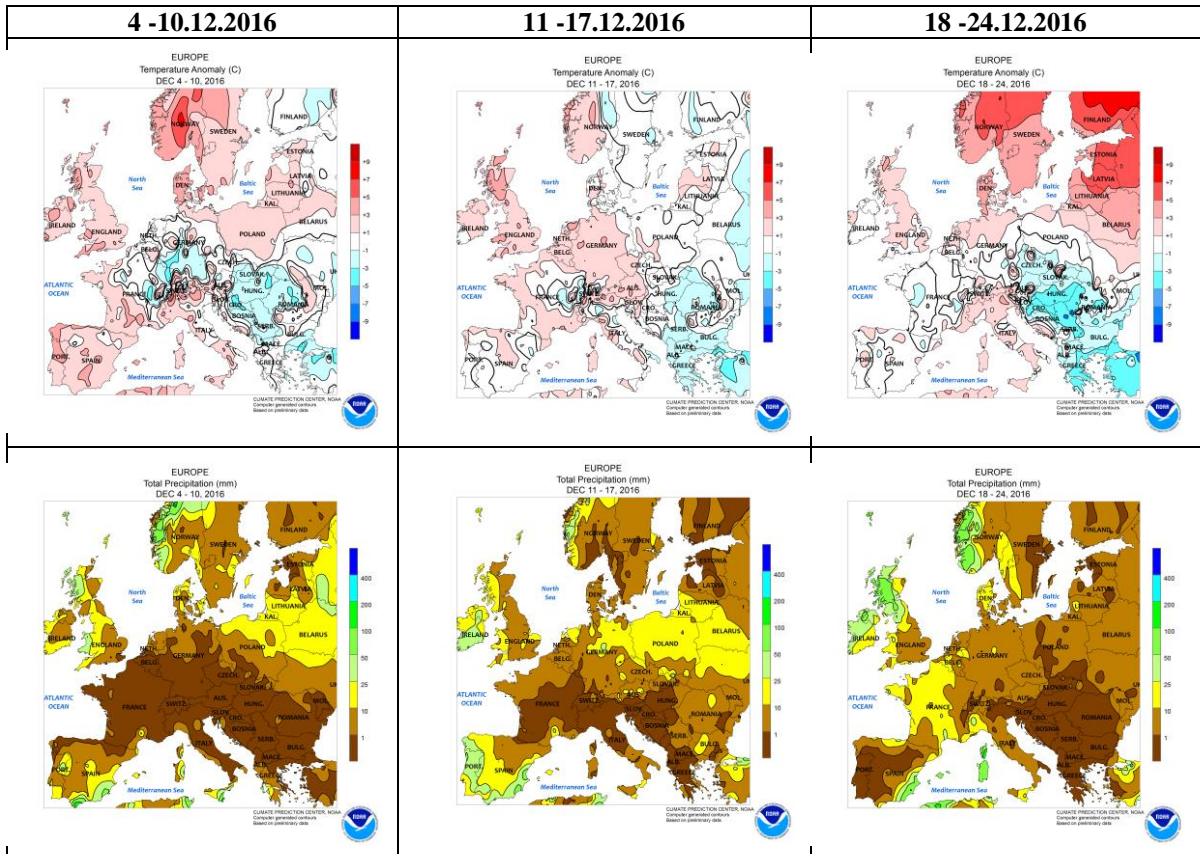


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

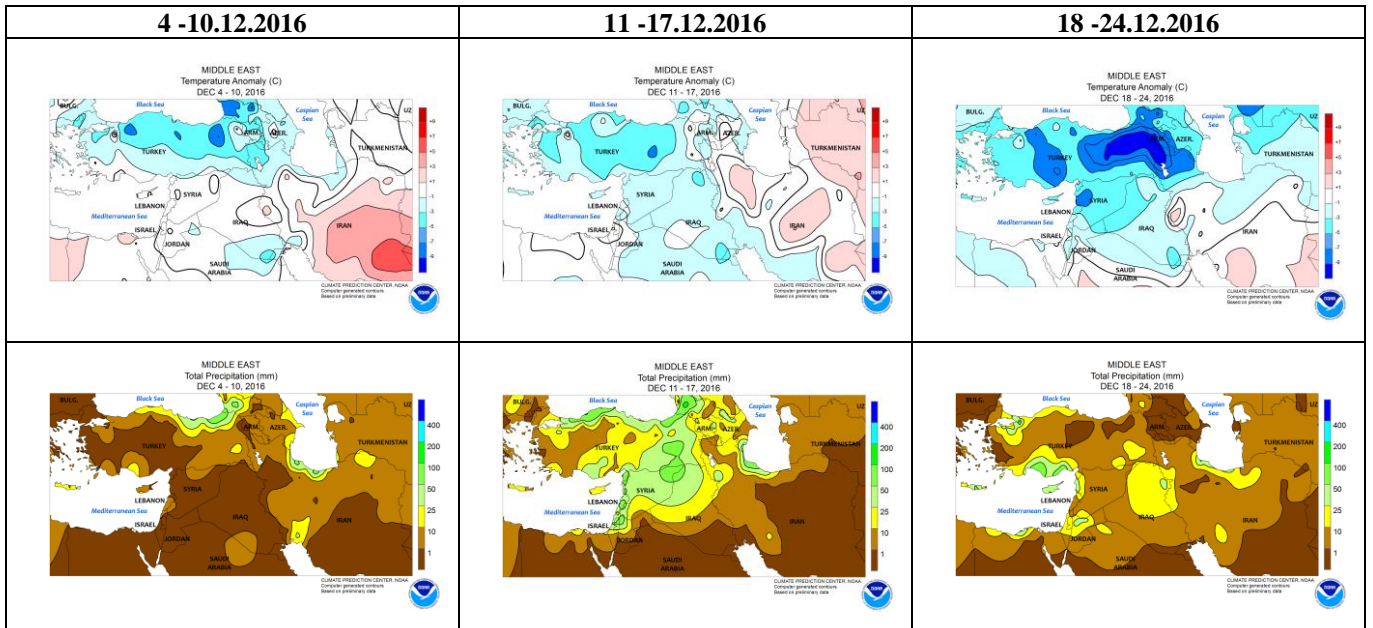


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

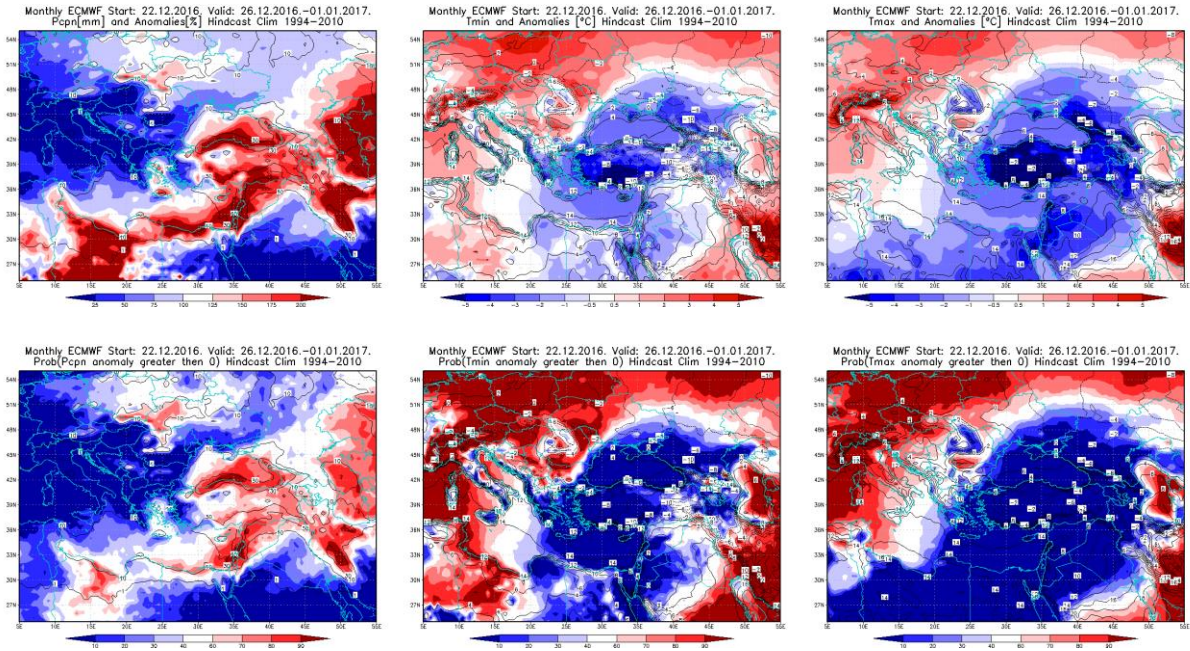


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation 19.12 – 25.12.2016 period

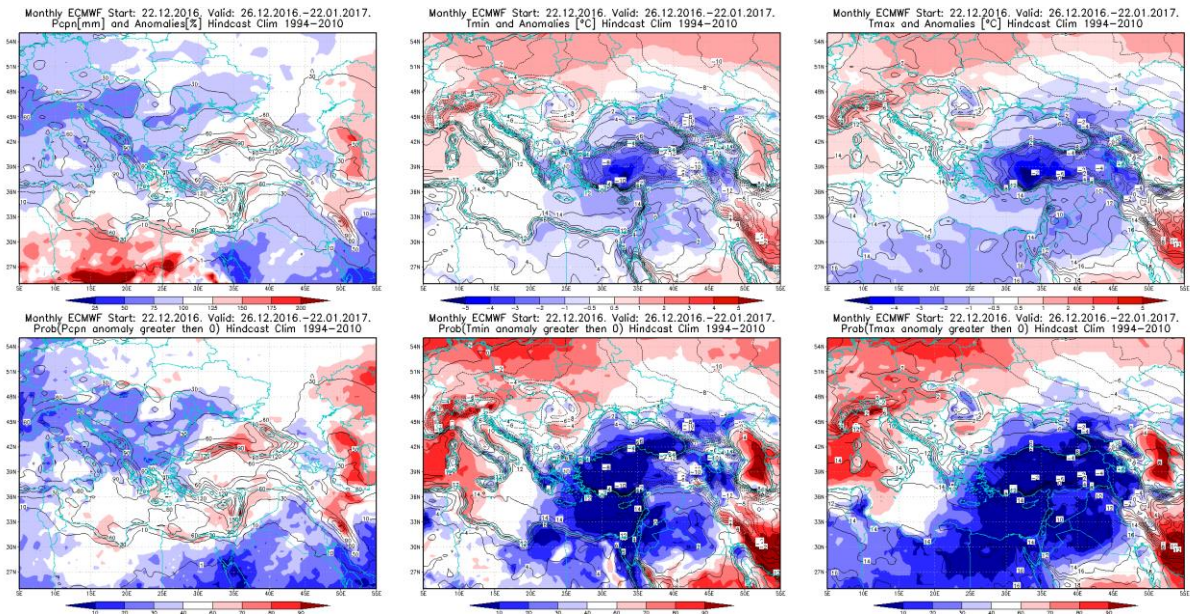


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 19.12– 15.1.2017 period

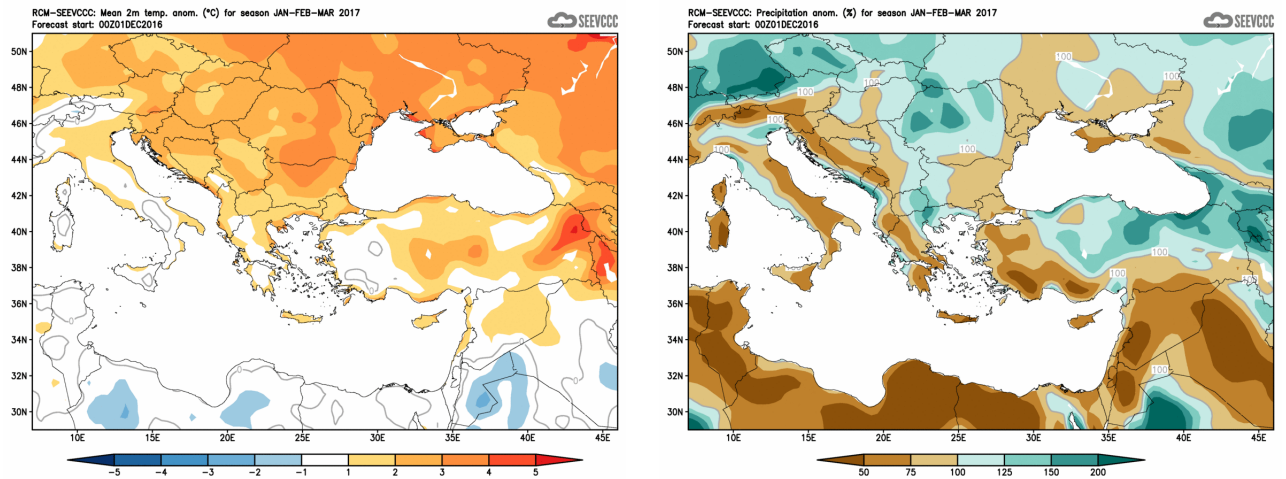


Figure 5. Mean seasonal temperature and precipitation anomaly for the season JFM (seasonal outlook from RCM – SEEVCCC)

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/>)