

Climate Watch (Serial No.: 20160215 – 00)

Initial/Updated/Final

Topic: precipitation
Organization issuing
the statement: SEEVCCC

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Cancelled

Contact: E-mail: cws-seevccc@hidmet.gov.rs
Phone: +381112066925
Fax: +381112066929

Valid from – to: 15-2-2016 – 28-2-2016 Next amendment: 19-2-2016

Region of concern: the Balkans

„In the period from February 15th to 21st 2016, forecast predicts above normal mean weekly air temperature, with anomaly ranging from +3°C to more than +5°C. Probability for exceeding upper tercile is above 90%. Precipitation surplus is predicted for northern and western parts of the Balkans. Precipitation deficit is forecasted for Turkey, south Caucasus and eastern and southern part of the Balkans. Probability for exceeding upper/lower tercile is around 80%.“

Monitoring

In the period from February 7th to 13th 2016, above normal air temperature¹ was registered in most of the region, with anomaly ranging from +1°C to +9°C. Below normal air temperature was observed at some locations in Israel, Jordan and northeastern Turkey, with anomaly ranging from -1°C up to -3°C. Weekly precipitation sums were mostly below 25 mm, except at some locations in southern Turkey and Israel, where registered sums were up to 50 mm, as well as northwestern and southwestern Balkans, where total precipitation reached up to 200 mm.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (February 15th to 21st, 2016), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly ranging from +3°C to more than +5°C. Probability for exceeding upper tercile is above 90%. Precipitation surplus is predicted for northern and western parts of the Balkans. Precipitation deficit is forecasted for Turkey, south Caucasus and eastern and southern part of the Balkans. Probability for exceeding upper/lower tercile is around 80%.

During the second week (February 22nd to 28th, 2016), above normal mean weekly air temperature is forecasted, with anomaly ranging from +2°C up to +5°C, with around 60% probability for exceeding upper tercile. Precipitation surplus is expected in northern and western Serbia, as well as Carpathian region, with low probability for exceeding upper tercile.

In the period from February 15th to March 13th 2016, above normal mean monthly air temperature, with anomaly up to +5°C, is expected in most parts of the region, with around 90% probability. Precipitation surplus is expected in northern and western parts of the Balkans. Probability for exceeding upper tercile is around 80%.

During the following three months (February, March and April) SEEVCCC seasonal forecast predicts above normal seasonal air temperature in most parts of the region. Precipitation surplus is predicted in mountainous regions of central and northern Romania, along the Adriatic coast and southern and eastern coast of the Black Sea, south Caucasus region and most parts of Turkey. Precipitation deficit is expected over southern and western Turkey, Cyprus and southern and southwestern parts of the Balkans.

Update

An updated statement will be issued on 19-2-2016

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

ANNEX

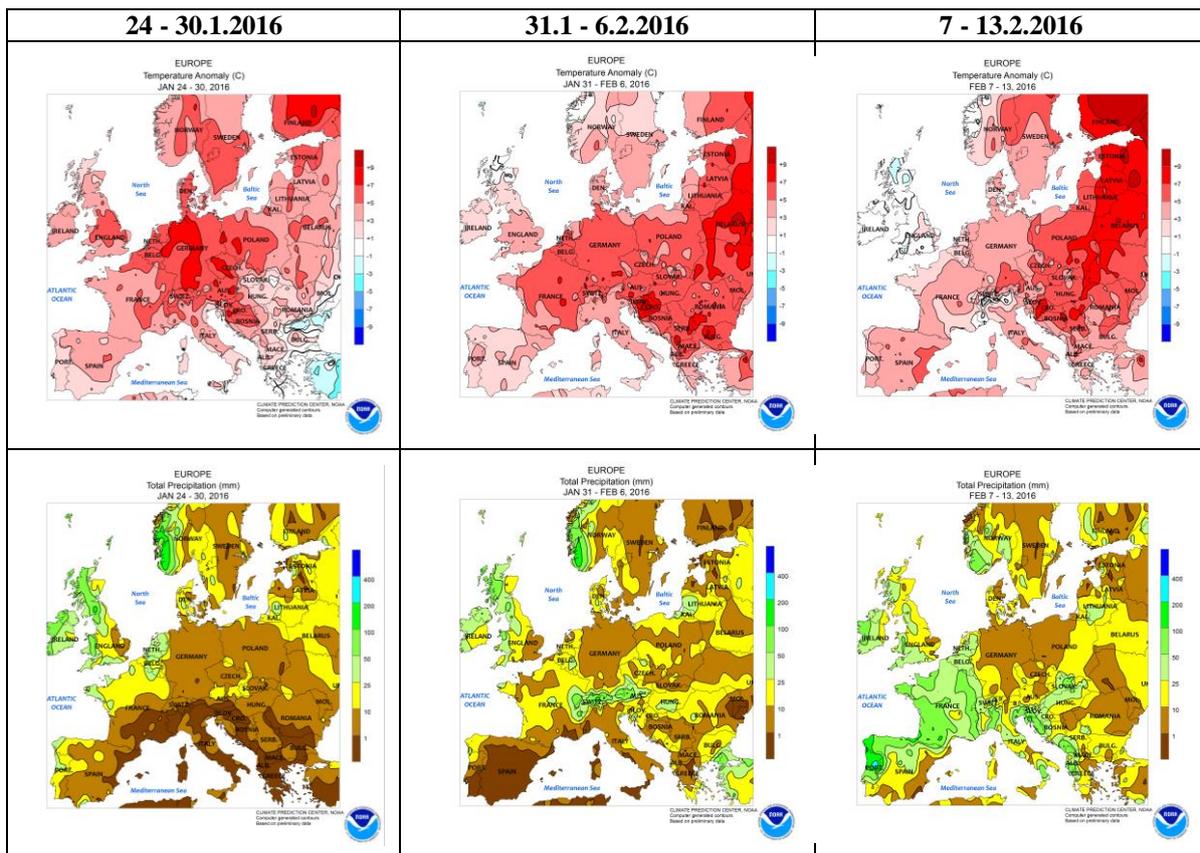


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

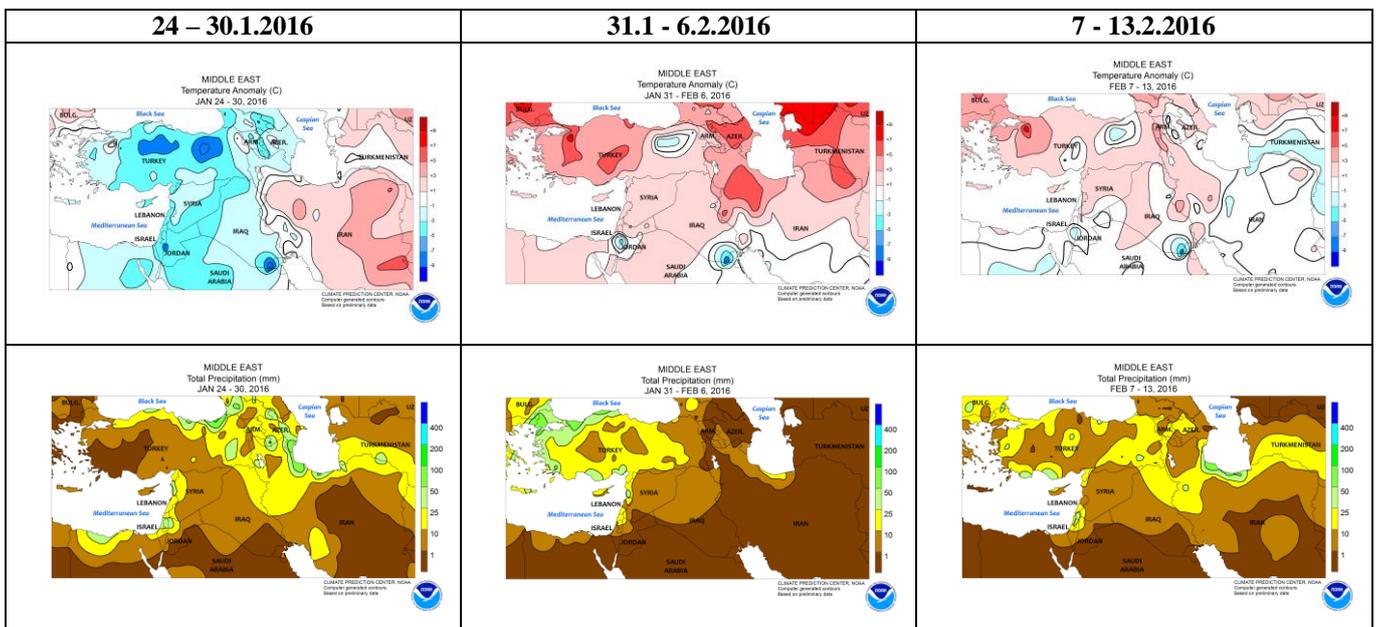


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

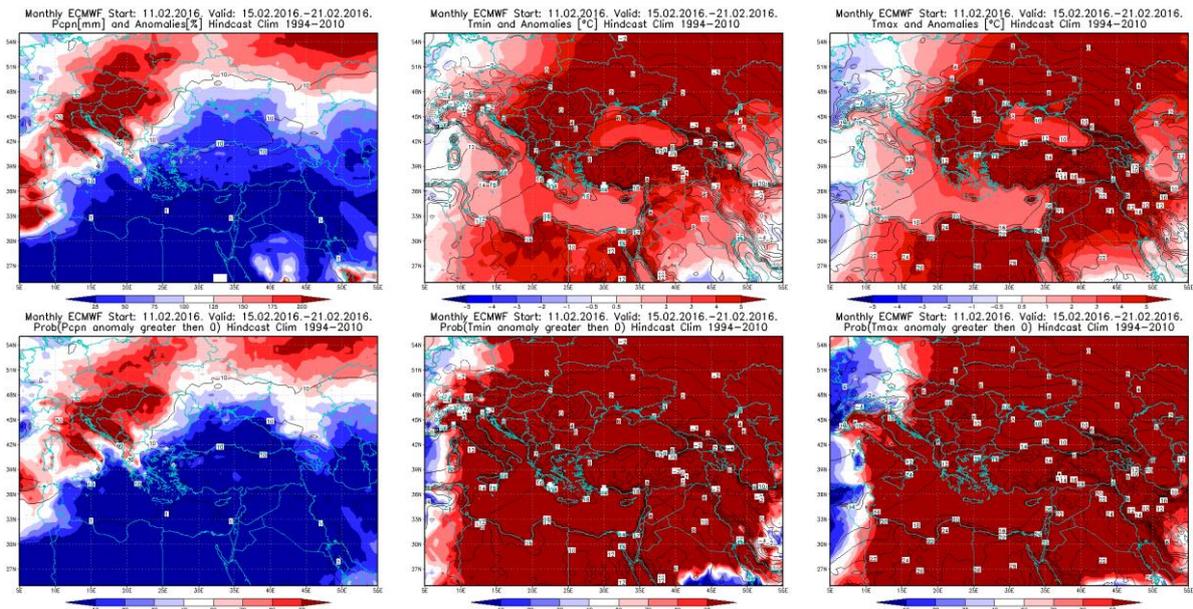


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation 15 –21.2.2016 period

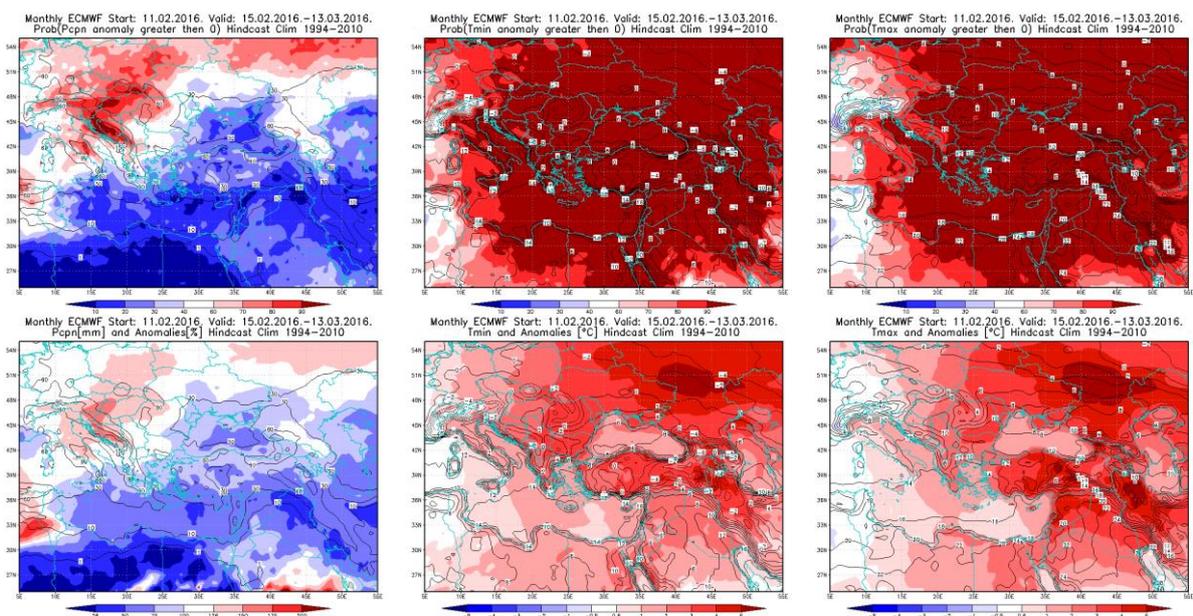


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 15.2 – 13.3.2016 period

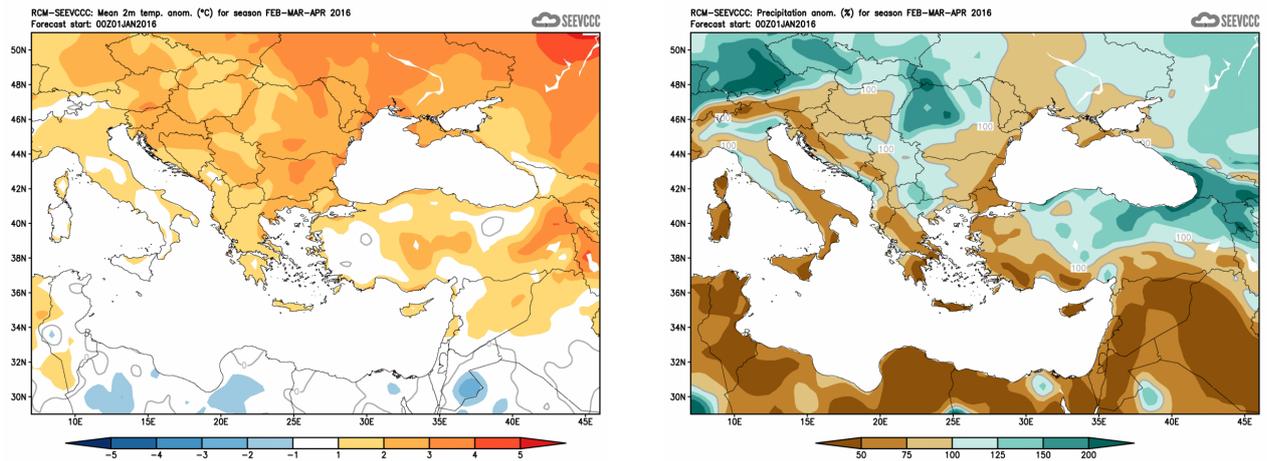


Figure 5. Mean seasonal temperature and precipitation anomaly for the season FMA (seasonal outlook from RCM – SEEVCCC)

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/>)