

Climate Watch (Serial No.: 20160425 – 00)

Initial/**Updated**/Final

Topic: **air temperature, precipitation**

Organization issuing the statement: SEEVCCC

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Cancelled

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Valid from – to: 25-4-2016 – 8-5-2016 Next amendment: 2-5-2016

Region of concern: **SEE region**

„In the period from April 25th to May 1st, 2016, forecast predicts below normal mean weekly air temperature, with anomaly up to -5°C in the Balkans. Above normal mean weekly air temperature, with anomaly up to +4°C, is expected in Turkey, South Caucasus, Aegean Sea and southern Greece. Probability for exceeding lower/upper tercile is around 90%. Precipitation surplus is expected in southern Bosnia and Herzegovina, Montenegro, Albania, southern Moldova, eastern Romania and Bulgaria. Probability for exceeding upper tercile is around 80%.“

Monitoring

In the period from April 17th to 23rd 2016, above normal air temperature¹ was registered in the SEE region, with anomaly up to +7°C. Weekly precipitation sums were below 25 mm in most of the region whereas parts of Romania and Moldova received up to 50 mm of rain.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (April 25th to May 1st, 2016), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly up to -5°C in the Balkans. Above normal mean weekly air temperature, with anomaly up to +4°C, is expected in Turkey, South Caucasus, Aegean Sea and southern Greece. Probability for exceeding lower/upper tercile is around 90%. Precipitation surplus is expected in southern Bosnia and Herzegovina, Montenegro, Albania, southern Moldova and eastern Romania and Bulgaria. Probability for exceeding upper tercile is around 80%.

During the second week (May 2nd to 8th, 2016), below normal mean weekly air temperature is forecasted in most of the Balkans with anomaly up to -2°C. Above normal mean weekly air temperature, with anomaly up to +3°C, is expected in central and southern Turkey. Probability for exceeding lower/upper tercile is around 70%. Precipitation surplus is expected in eastern Romania and Moldova, Aegean Sea, southern Greece, western Turkey and South Caucasus with low probability for exceeding upper tercile.

In the period from April 25th to May 22nd 2016, below normal mean monthly air temperature is expected in most of the Balkans, with anomaly around -2°C. Above normal mean monthly air temperature is forecasted for most of Turkey and Aegean Sea with anomaly up to +3°C. Probability for exceeding lower/upper tercile is around 80%. Precipitation surplus is forecasted for western part of Turkey, eastern Romania and Bulgaria with around 60% probability for exceeding upper tercile.

During the following three months (May, June and July) SEEVCCC seasonal forecast predicts above normal seasonal air temperature over the Balkans, central and eastern Turkey. Precipitation surplus is predicted in central Romania, northeastern Turkey, as well as south Caucasus region. Precipitation deficit is expected over southern, southeastern, western and northwestern Balkans, over Aegean Sea and Cyprus.

Update

An updated statement will be issued on 2-5-2016

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

ANNEX

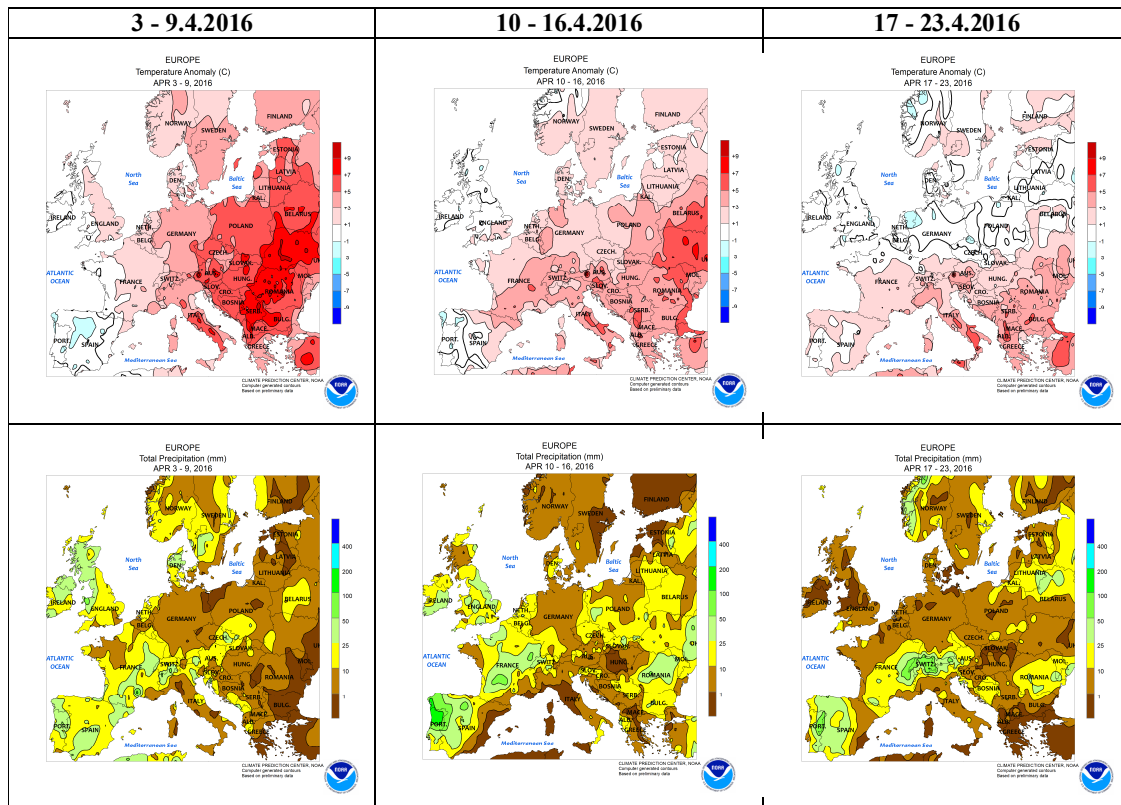


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

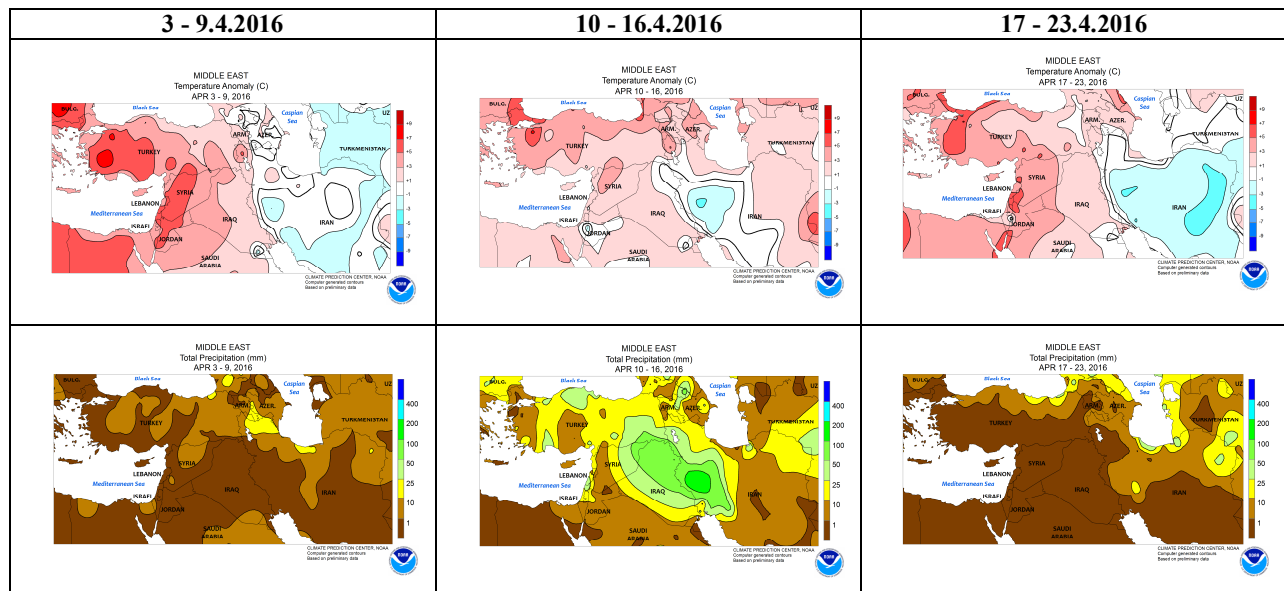


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

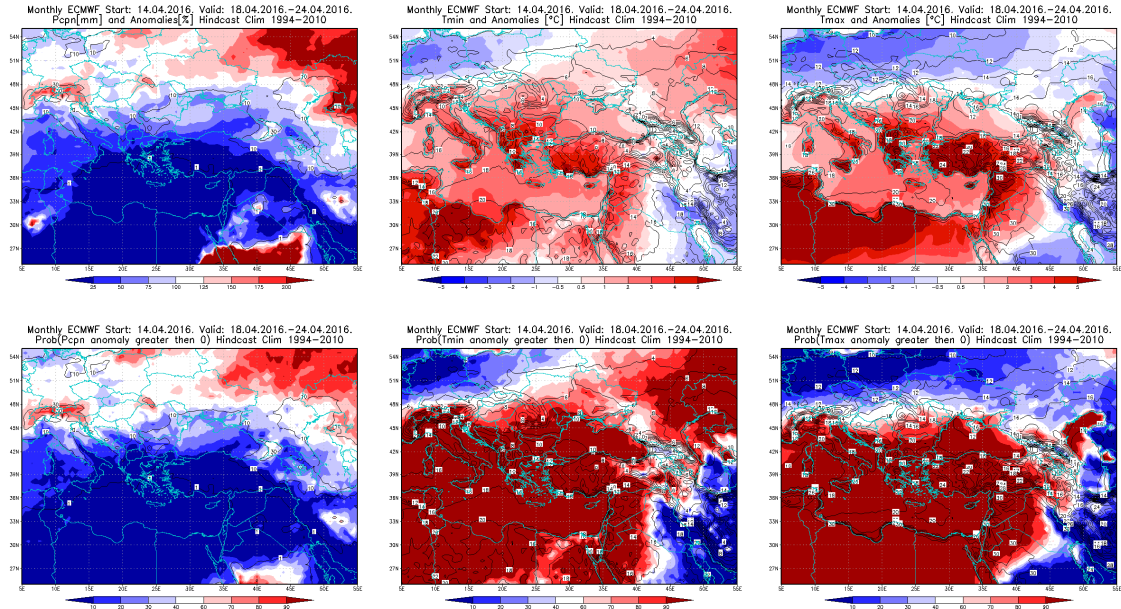


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation 18.4 – 24.4.2016 period

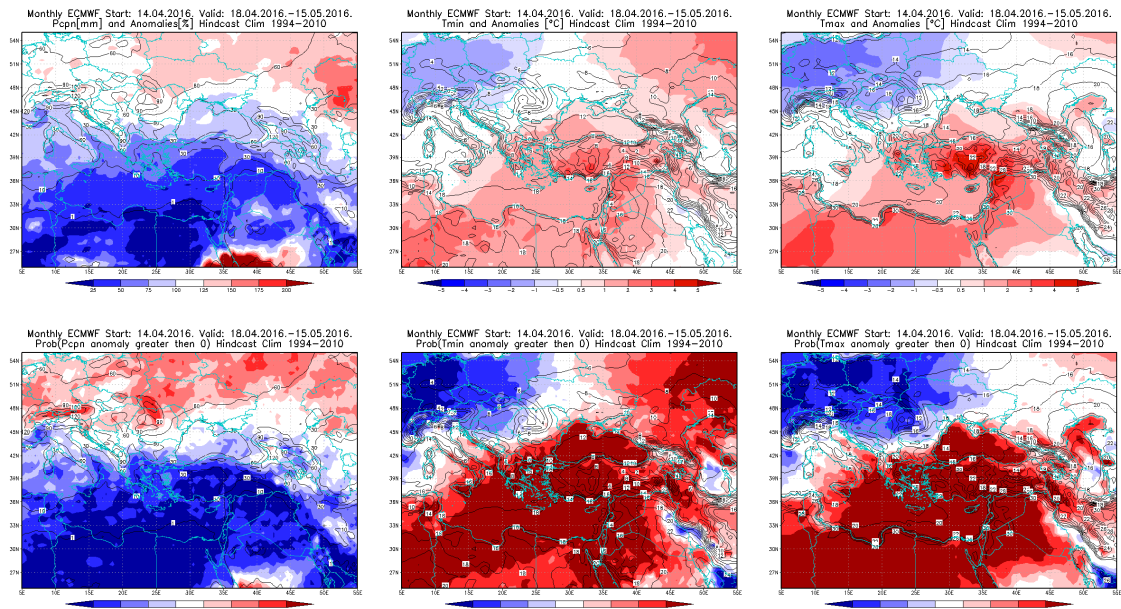


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 18.4 – 15.5.2016 period

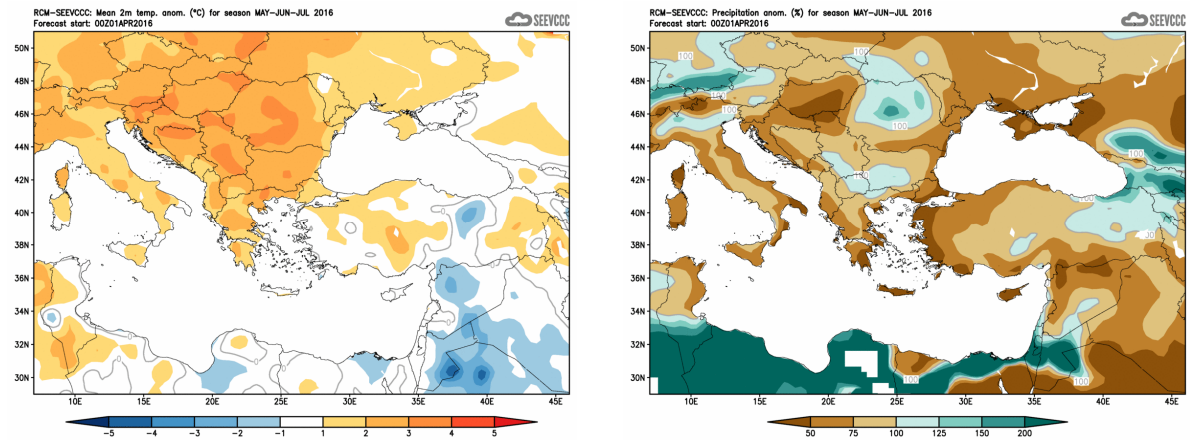


Figure 5. Mean seasonal temperature and precipitation anomaly for the season MJJ (seasonal outlook from RCM – SEEVCCC)

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/>)