

Climate Watch (Serial No.: 20160404 – 00)

Initial/Updated/Final

Topic: **air temperature**

Organization issuing SEEVCCC
the statement:

Issued/ Amended / 4-4-2016 12:00 P.M.
Cancelled

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Valid from – to: 4-4-2016 – 17-4-2016 Next amendment: 11-4-2016

Region of concern: **The Balkans and Turkey**

„In the period from April 4th to 10th, forecast predicts above normal mean weekly air temperature over the Balkans and Turkey, with anomaly ranging from +2°C up to +6°C. Probability for exceeding upper tercile is around 90%.“

Monitoring

In the period from March 27th to April 2nd 2016, above normal air temperature¹ was registered in the Balkans and western Turkey, with anomaly up to +7°C. Below normal air temperature was registered in parts of southern Turkey and Georgia, with anomaly up to -3°C. Weekly precipitation sums in most of the region reached up to 10mm whereas parts of northern and southern Turkey as well as Caucasus received up to 100 mm of rain.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (April 4th to 10th, 2016), ECMWF monthly forecast predicts above normal mean weekly air temperature over the Balkans and Turkey, with anomaly ranging from +2°C up to +6°C. Probability for exceeding upper tercile is around 90%. Precipitation deficit is predicted over most part of the SEE region, with around 60% probability for exceeding lower tercile, and in northern and eastern Turkey around 80%.

During the second week (April 11th to 17th, 2016), above normal mean weekly air temperature is forecasted, with anomaly ranging from +2°C up to +4°C, over the entire region, with around 80% probability for exceeding upper tercile. Precipitation surplus is forecasted for southern and eastern Turkey and southern Adriatic, while elsewhere average precipitation is predicted. Probability for exceeding upper tercile is up to 70%.

In the period from April 4th to May 1st 2016, above normal mean monthly air temperature is expected in the entire region, with anomaly up to +3°C and highest probability of around 80% for exceeding upper tercile. Expected monthly precipitation sums are within the climatological values in most part of the region.

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

Update

An updated statement will be issued on 11-4-2016

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

ANNEX

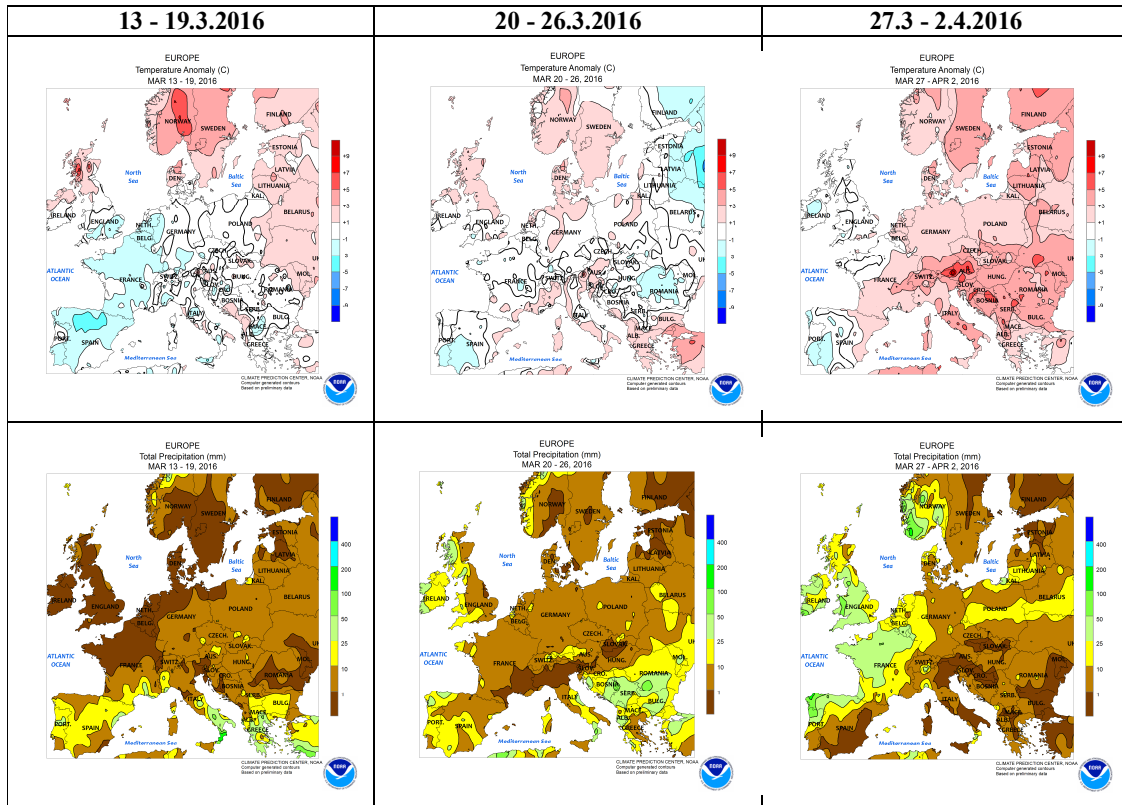


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

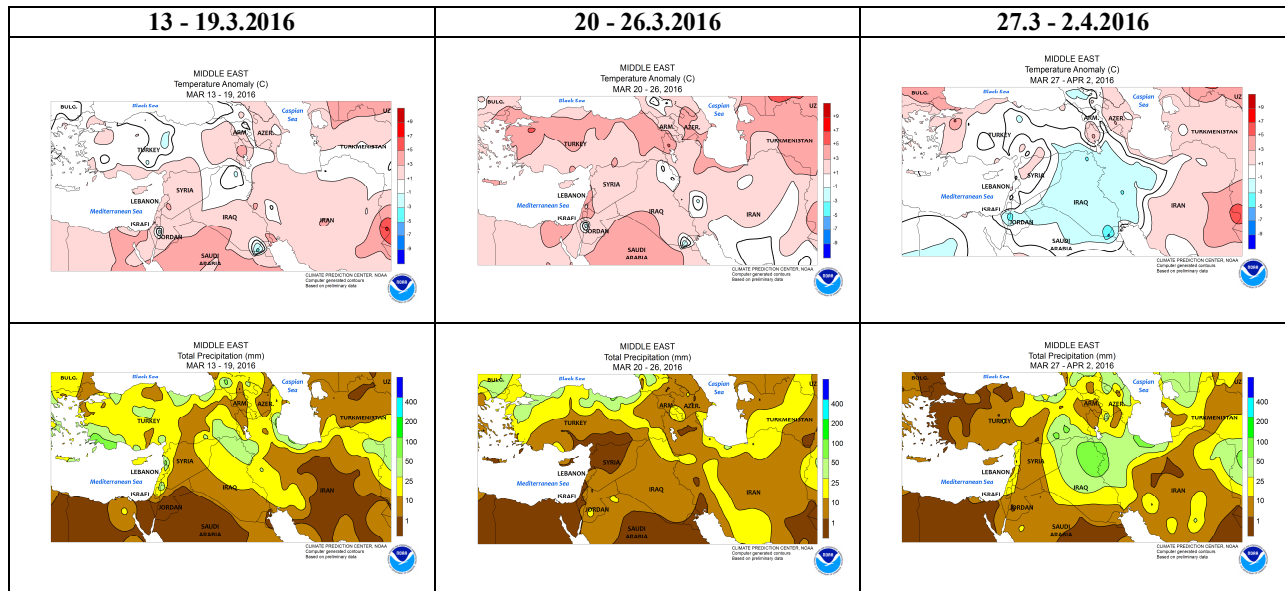


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

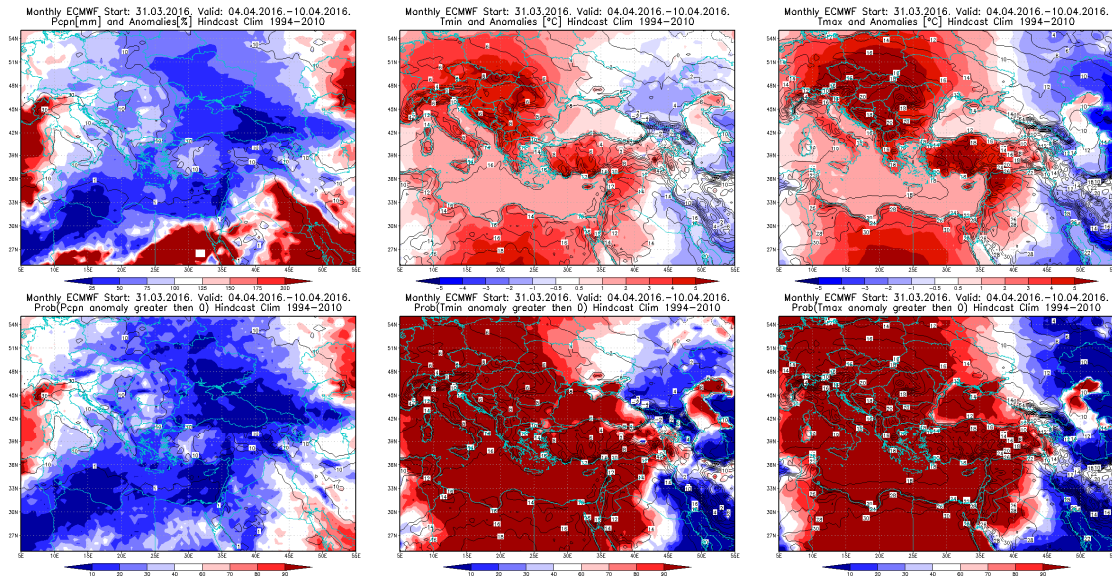


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation 4.4 – 10.4.2016 period

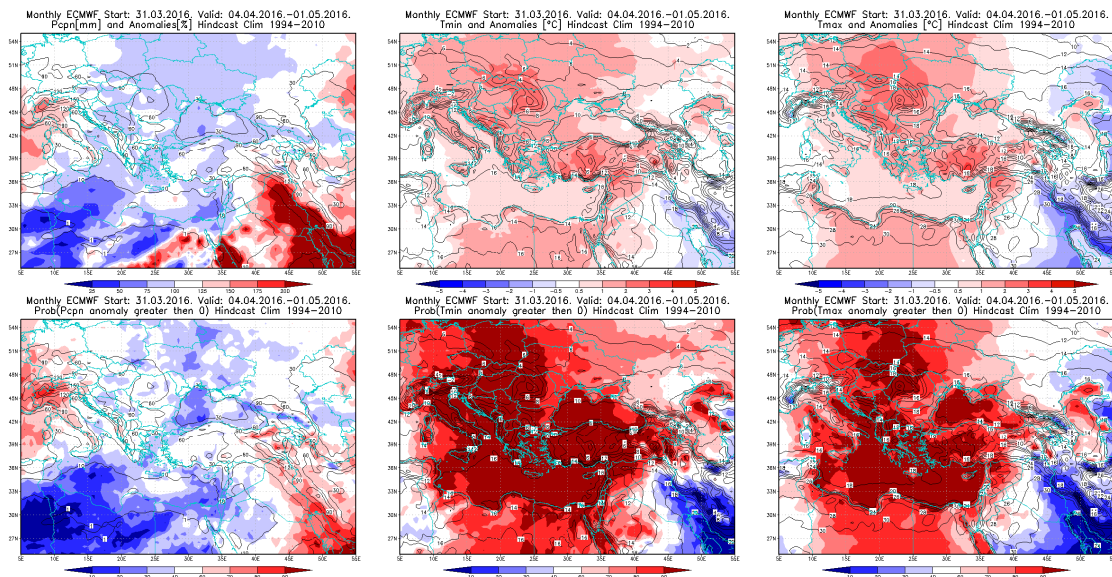


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 4.4 – 1.5.2016 period

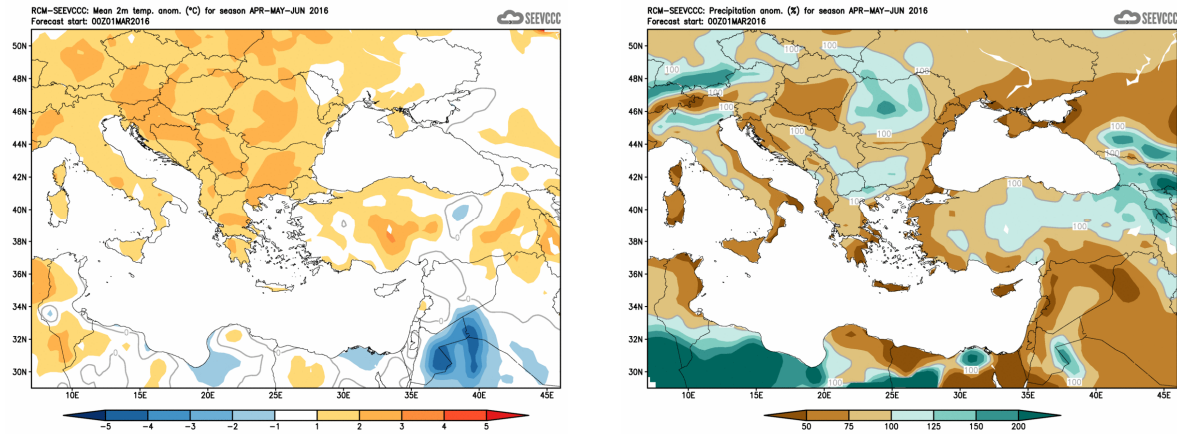


Figure 5. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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/>)