

Climate Watch (Serial No.: 20160328 – 00)

Initial/Updated/Final

Topic: **air temperature**

Organization issuing
the statement: SEEVCCC

Issued/ Amended /
Cancelled 28-3-2016 12:00 P.M.

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Valid from – to: 28-3-2016 – 10-4-2016 Next amendment: 4-4-2016

Region of concern: **SEE region**

„In the period from March 28th to April 3rd, forecast predicts above normal mean weekly air temperature over the Balkans, with anomaly up to +3°C. Probability for exceeding upper tercile is around 70%. During the second week, April 4th -10th, above normal mean weekly air temperature, with anomaly up to +5°C, is forecasted over most of the region, with around 80% probability for exceeding upper tercile, in western Balkans up to 90%. “

Monitoring

In the period from March 20th to 26th 2016, above normal air temperature¹ was registered in most part of the region, with anomaly up to +5°C. Below normal air temperature was registered in Romania, with anomaly up to -3°C. Weekly precipitation sums ranged from 10 mm up to 50 mm over most of the region.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (March 28th to April 3rd, 2016), ECMWF monthly forecast predicts above normal mean weekly air temperature in the Balkans, Romania and Moldova, with anomaly up to +3°C. Below normal mean weekly air temperature is expected in eastern Turkey, south Caucasus and Middle East, with anomaly up to -2°C. Probability for exceeding upper/lower tercile is around 70%, and in the Middle East probability for exceeding lower tercile is up to 90%. Precipitation deficit is predicted over the entire SEE region, with around 70% probability for exceeding lower tercile.

During the second week (April 4th to 10th, 2016), above normal mean weekly air temperature is forecasted, with anomaly up to +5°C, over most of the region, with around 80% probability for exceeding upper tercile, in western Balkans up to 90%. Precipitation surplus is forecasted for the Middle East, while elsewhere precipitation deficit is predicted. Probability for exceeding upper/lower tercile is up to 70%.

In the period from March 28th to April 24th 2016, above normal mean monthly air temperature is expected in most of the region, with anomaly up to +3°C and highest probability of around 80% for exceeding upper tercile over the Balkans, Romania and Moldova. Expected monthly precipitation sums are within the climatological values.

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 4-4-2016

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

ANNEX

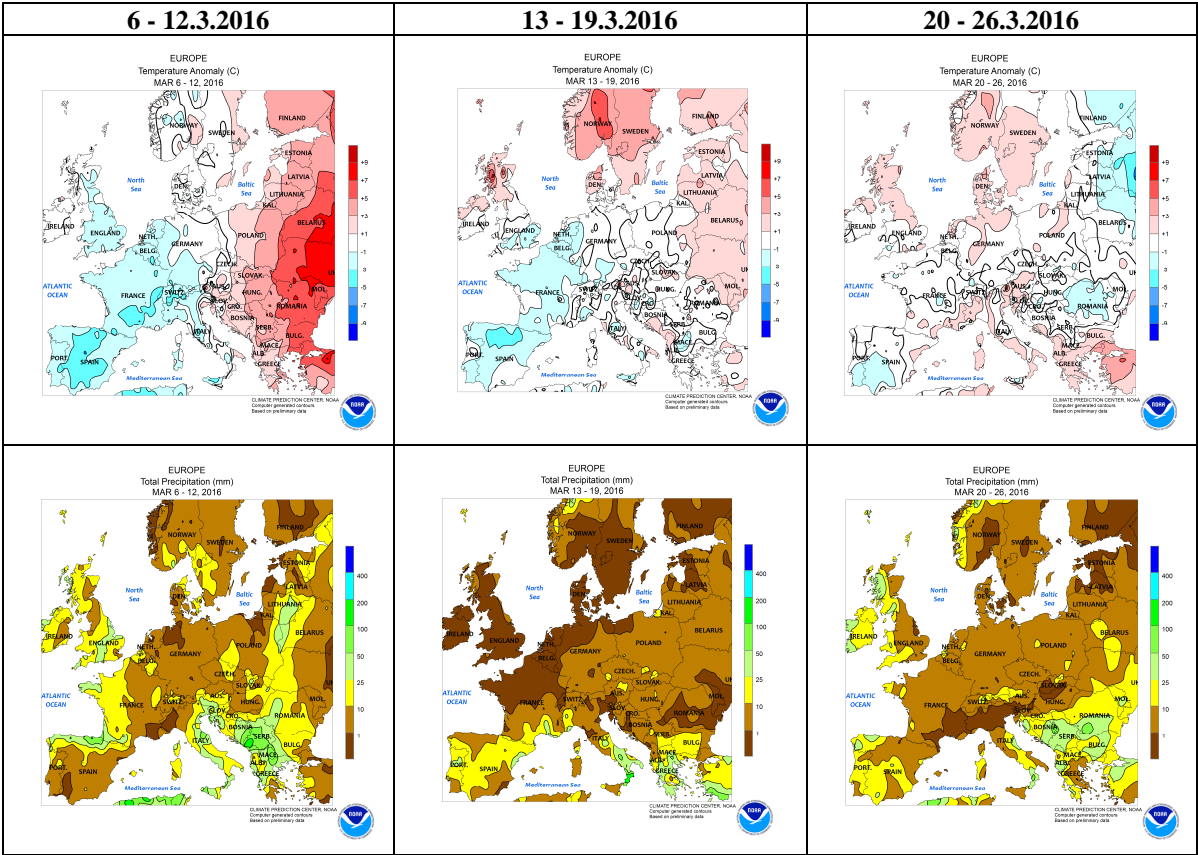


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

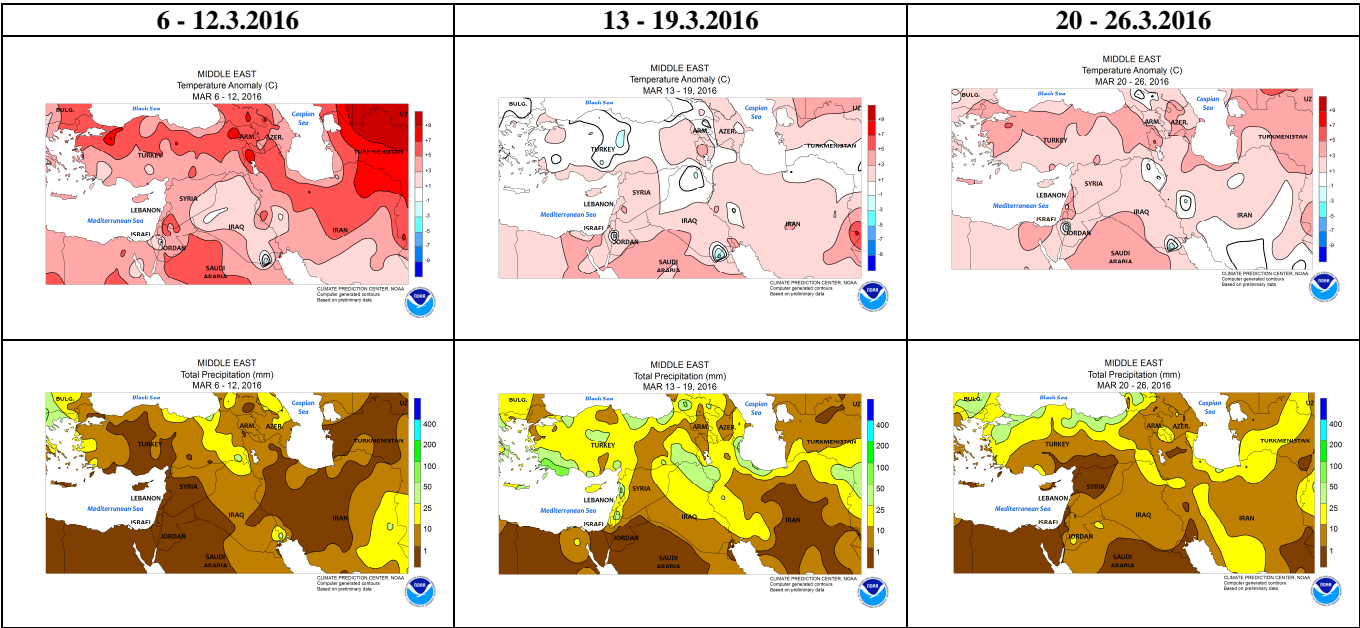


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

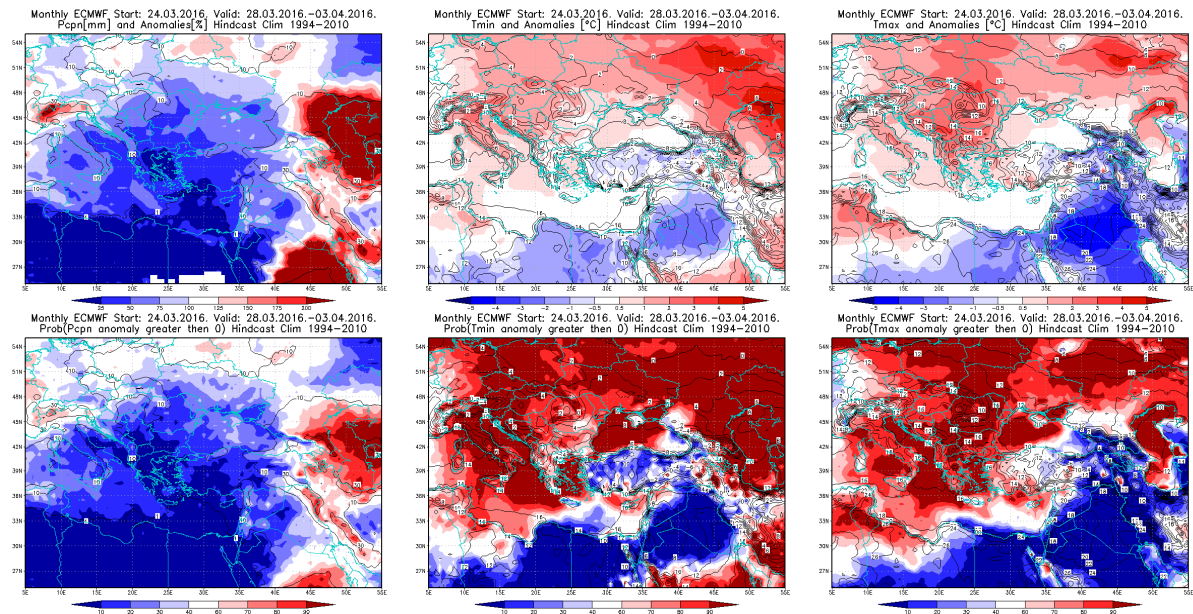


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation 28.3 – 3.4.2016 period

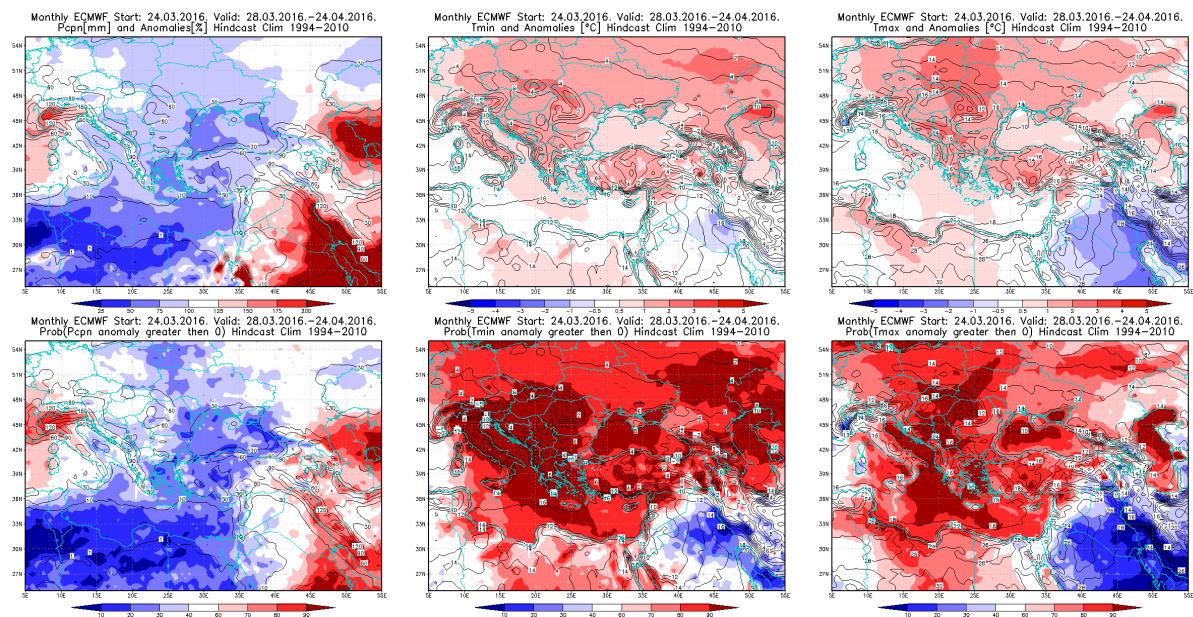


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 28.3 – 24.4.2016 period

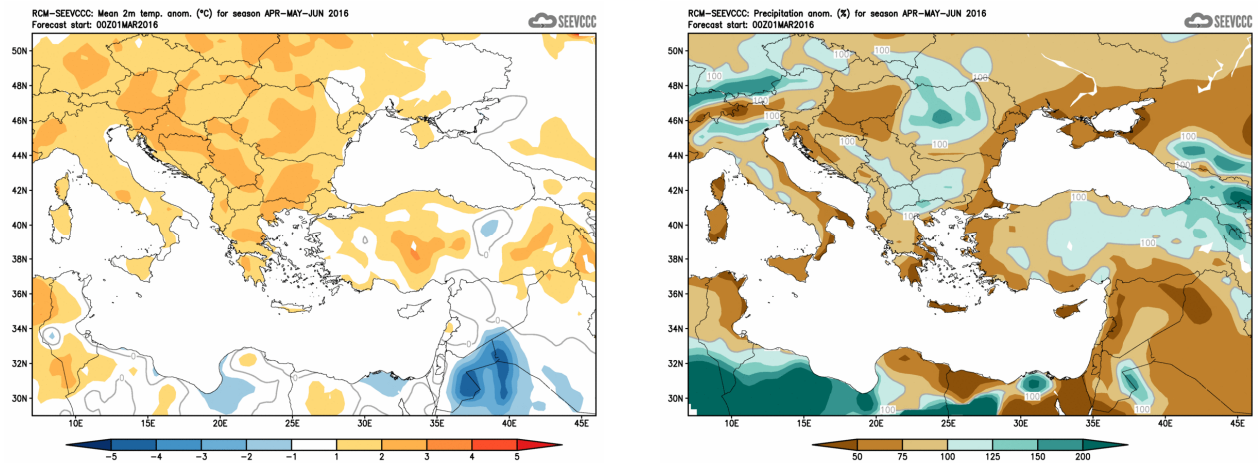


Figure 5. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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/>)