Climate Watch (Serial No.: 20150323 – 00)

Initial/Updated/Final

Topic: precipitation
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 23-3-2015 12:00 P.M.

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Region of concern: Turkey, Ionian and Aegean Sea and southern Balkans

„From March 23rd to 29th, 2015, precipitation surplus is forecast for Turkey, Ionian and Aegean Sea and southern Balkans, with around 90% probability for exceeding upper tercile."

Monitoring

In the period from March 15th to 21st, 2015 above normal air temperature[1] with anomaly up to +3°C was registered in Moldova, most part of Bosnia and Herzegovina, eastern Turkey and south Caucasus. Below normal air temperature, with anomaly up to -3°C, was observed in southern Serbia, FYR Macedonia, western Bulgaria, most part of Greece and western Turkey. Weekly precipitation sums, reaching 50 mm, were observed in central and part of northern Turkey and central Romania, while in other parts of the SEE region they were below 25 mm.

[1] Reference climatological period is the 1981-2010 period

Outlook

Within the first week (March 23rd to 29th, 2015), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +3°C, along coasts of Adriatic and Ionian Sea and in part of western and central Turkey. Probability for exceeding upper tercile is around 70%. Precipitation surplus is forecast for Turkey, Ionian and Aegean Sea and southern Balkans, with around 90% probability for exceeding upper tercile.

During the second week (March 30th to April 5th, 2015), average mean weekly air temperature is forecast for most of the SEE region. Precipitation surplus is expected over Ionian and Aegean Sea and southern Turkey with less probability.

In the period from March 23rd to April 19th, 2015, average mean monthly air temperature is forecast for most part of the SEE region. Precipitation surplus is expected in southern Balkans, Turkey, Ionian and Aegean Sea, with up to 70% probability for exceeding upper tercile. Average precipitation is expected in the rest of the region.

During the following three months (April, May and June) SEEVCCC seasonal forecast predicts above air temperature for the Balkans, Romania and parts of central and eastern Turkey. Precipitation surplus is predicted for central Romania, northeastern Turkey and south Caucasus, while deficit is expected over most part of the Balkans, Mediterranean Sea, Cyprus, eastern Romania, western and southern Turkey and most part of the Middle East.

Update

An updated statement will be issued on 30-3-2015

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

ANNEX

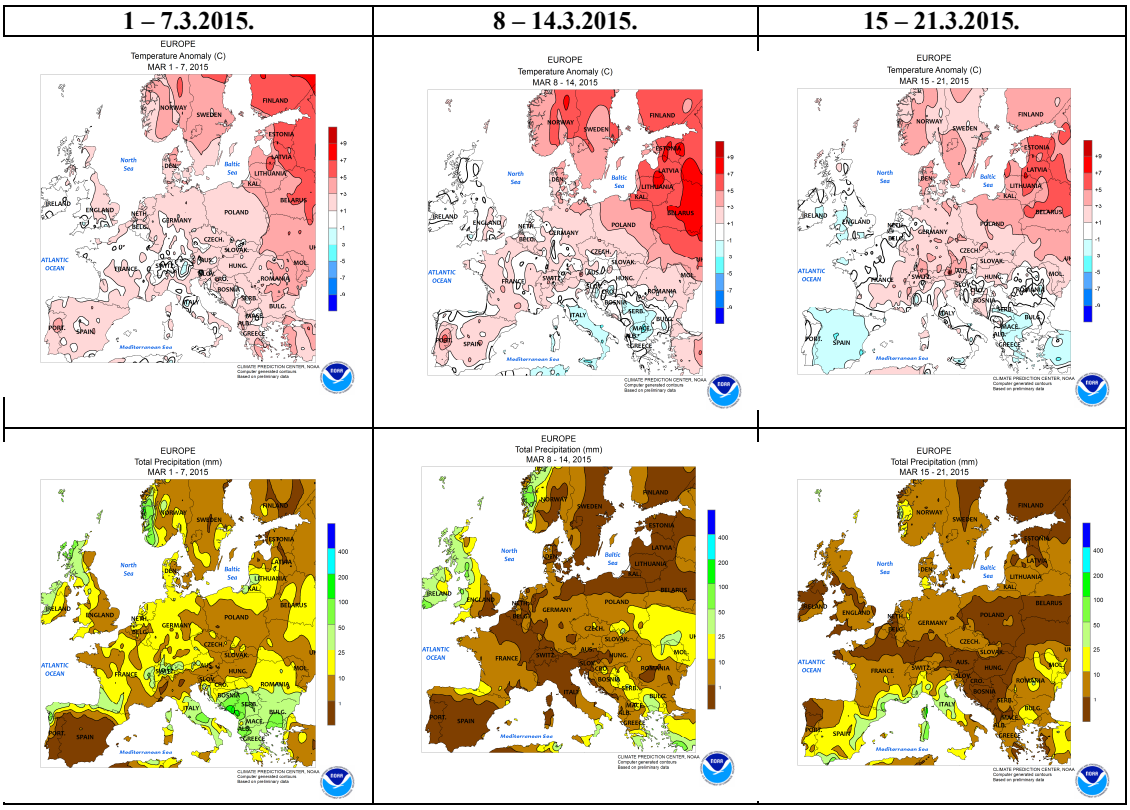

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

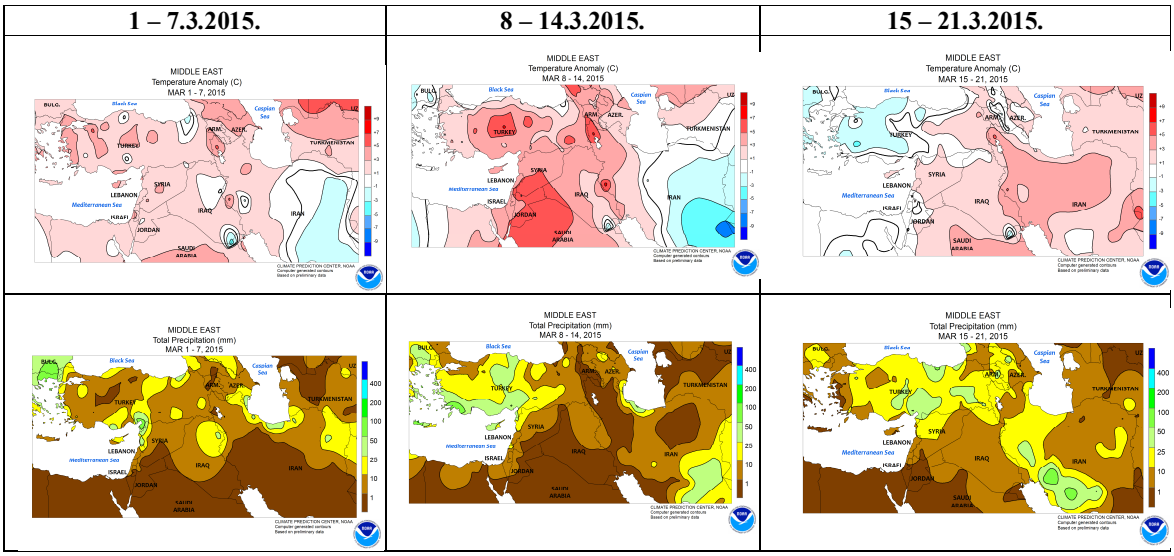

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

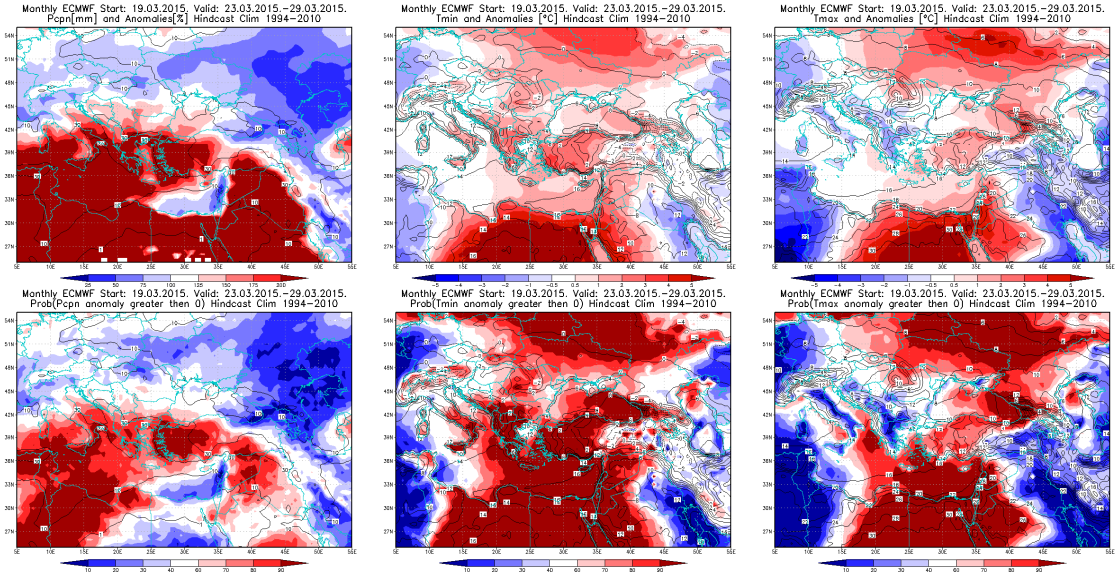

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 23 – 29.3.2015 period

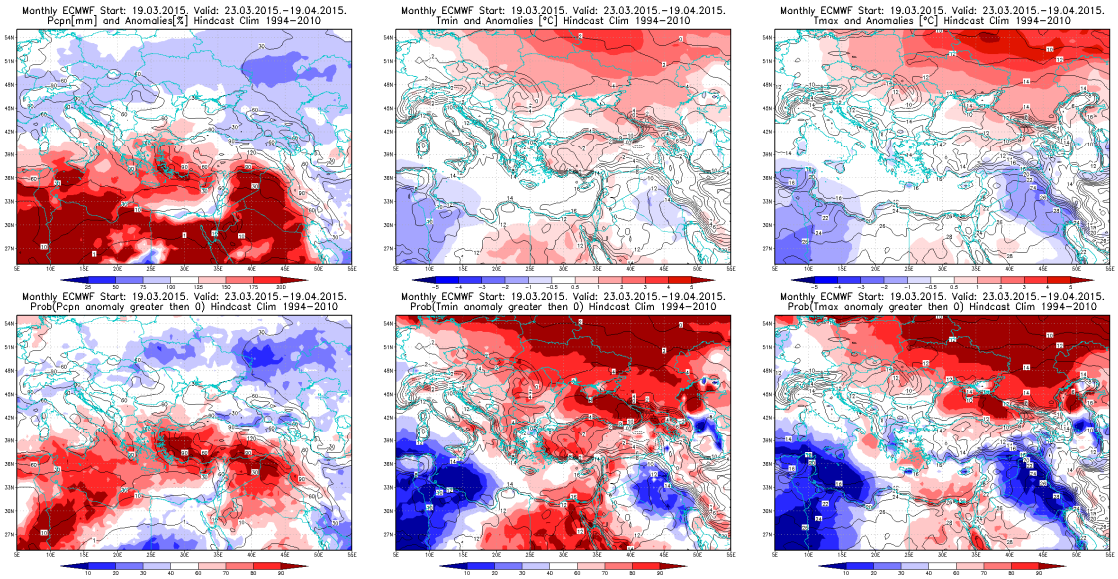

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 23.3 – 19.4.2015 period

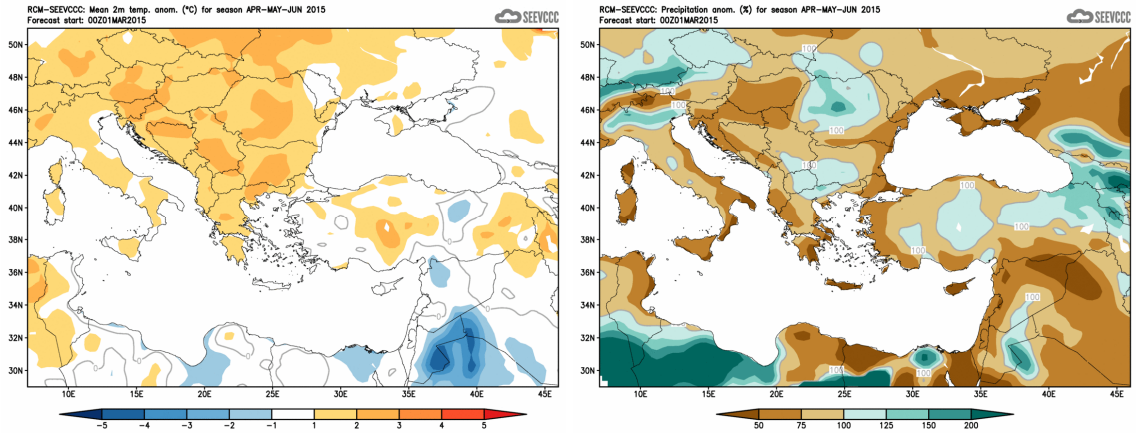

Figure 5. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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/)