Climate Watch (Serial No.: 20150413 – 00)

Initial/Updated/Final

Topic: precipitation
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 13-4-2015 12:00 P.M.

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Valid from – to: 13-4-2015 – 26-4-2015 Next amendment: 20-4-2015

Region of concern: Turkey, south Caucasus, Middle East

„From April 13th to 19th 2015, below normal mean weekly air temperature is forecast for Turkey, south Caucasus and Middle East with anomaly up to -4°C. Probability for exceeding lower tercile is around 90%. Precipitation surplus is forecast for south Aegean Sea and Middle East with around 80% probability for exceeding upper tercile.“

Monitoring

In the period from April 5th to 11th, 2015 below normal air temperature[1] with anomaly up to -5°C, was observed in central Balkans and part of western and central Turkey. Weekly precipitation sums, reaching 100 mm, were observed in northern Turkey, Albania and western Bulgaria while in other parts of the SEE region they were below 50 mm.

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

Outlook

Within the first week (April 13th to 19th, 2015), ECMWF monthly forecast predicts below normal mean weekly air temperature in Turkey, south Caucasus and Middle East with anomaly up to -4°C. Probability for exceeding lower tercile is around 90%. Precipitation surplus is forecast for south Aegean Sea and Middle East with around 80% probability for exceeding upper tercile.

During the second week (April 20th to 26th, 2015), abowe normal mean weekly air temperature, with anomaly up to +2°C, is forecast for southern Balkans and Turkey, with up to 60% probability for exceeding upper tercile. Precipitation deficit is expected for most part of the SEE region, with low probability.

In the period from April 13th to May 10th, 2015, normal mean monthly air temperature is expected for most of the region. Monthly precipitation deficit is expected for most of the region, with around 80% probability for exceeding lower tercile over most part of Turkey and south Caucasus region.

During the following three months (April, May and June) SEEVCCC seasonal forecast predicts above seasonal 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 20-4-2015

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

ANNEX

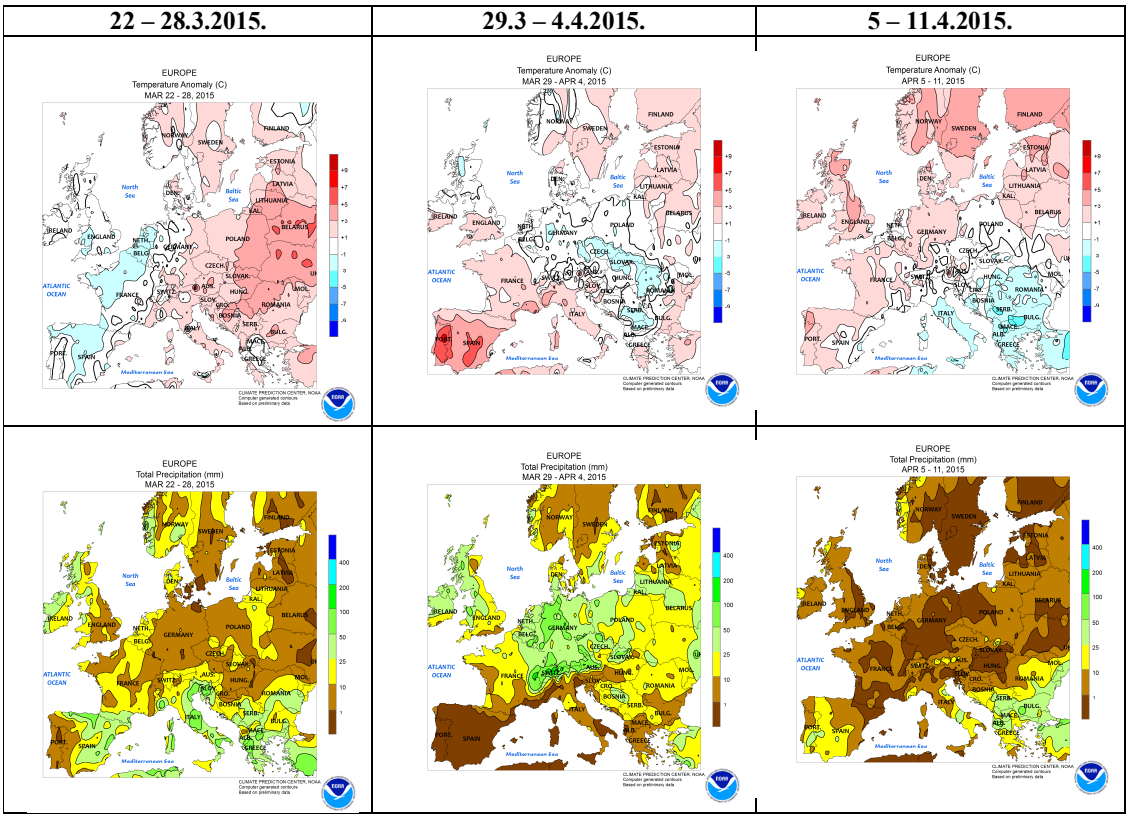

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

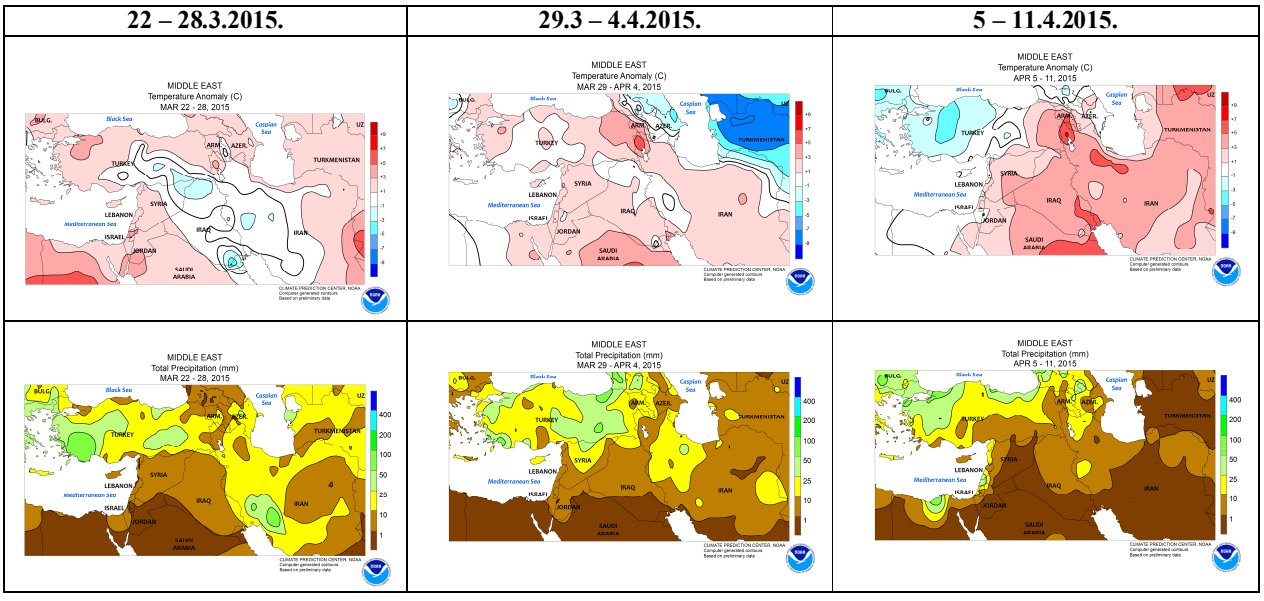

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

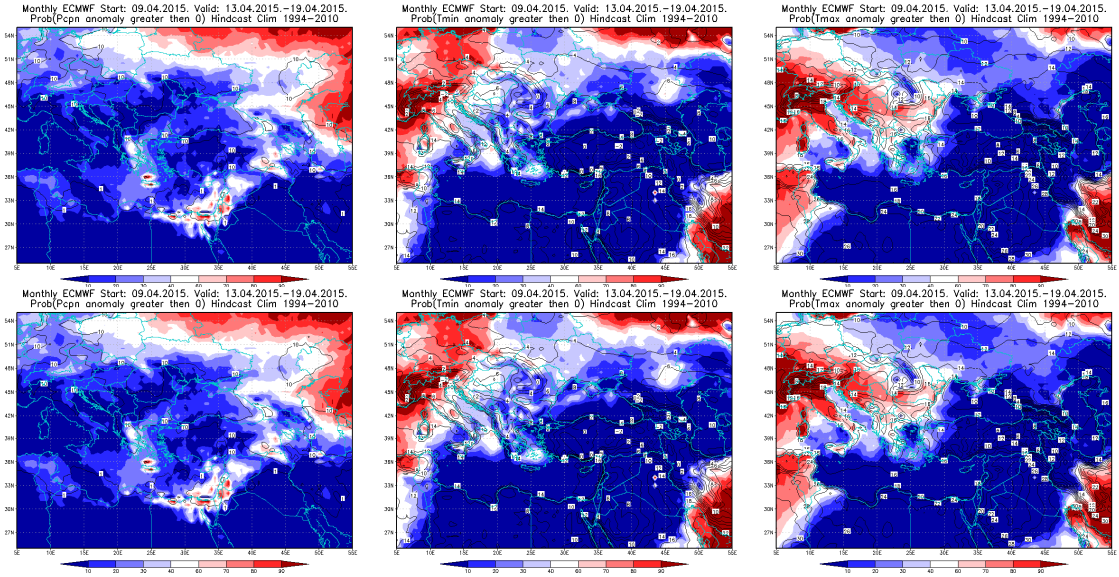

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 13 – 19.4.2015 period

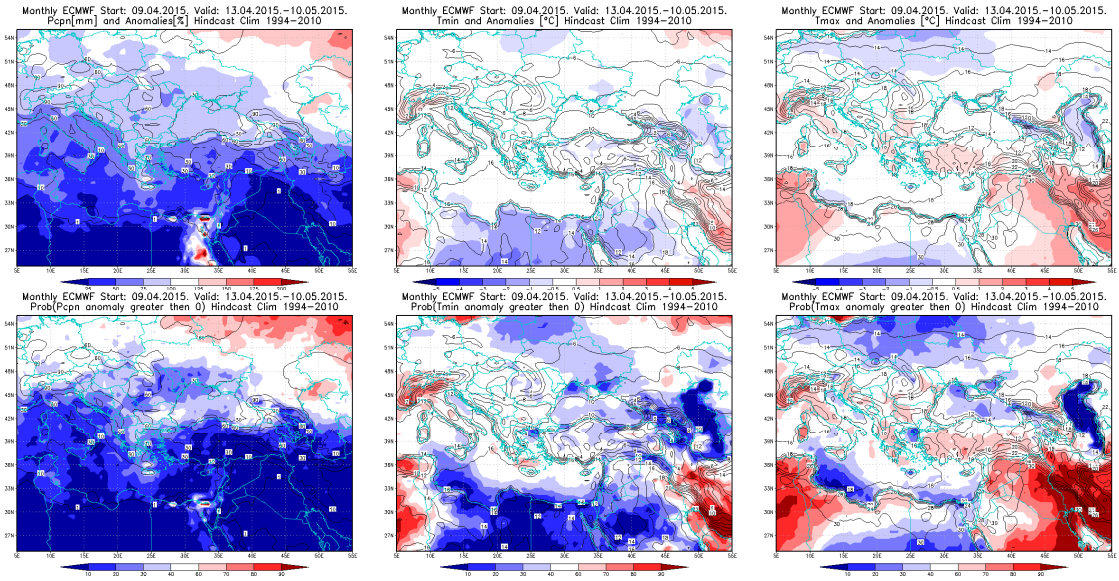

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 13.4 – 10.5.2015 period

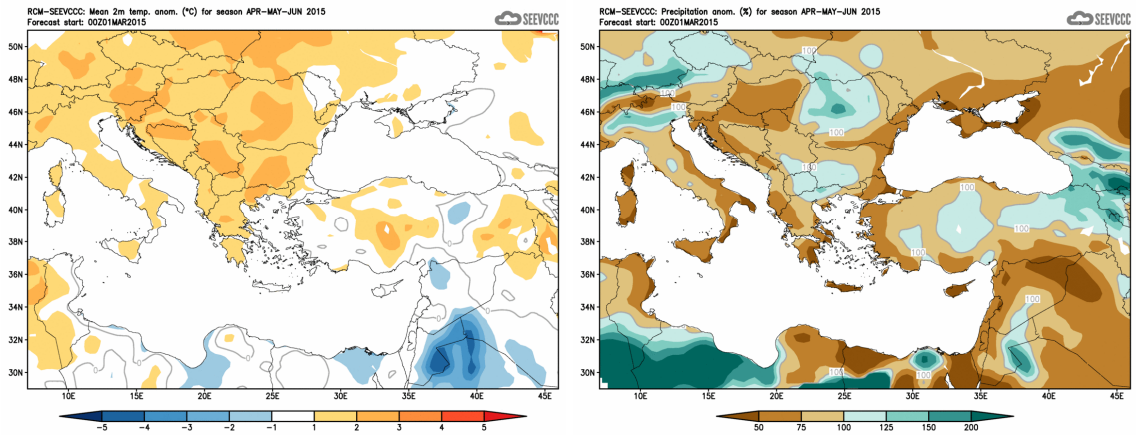

Figure 5. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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/)