Climate Watch (Serial No.: 20150511 – 00)

Initial/Updated/Final

Topic: precipitation
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 11-5-2015 12:00 P.M.

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Region of concern: Greece, Turkey, Cyprus, south Caucasus, Middle East

„From May 11th to 17th 2015, below normal mean weekly air temperature is forecast for southern Balkans, Turkey, Cyprus, south Caucasus and Middle East, with anomaly up to -3°C. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected in southern part of Aegean Sea, Cyprus, southern Turkey and eastern part of south Caucasus. Probability for exceeding upper tercile is around 80%.“

Monitoring

In the period from May 3rd to 9th 2015 above normal air temperature[1] with anomaly up to +7°C, was observed in most part of the SEE region, apart from south Caucasus, central and eastern Turkey where near normal and below normal air temperature with anomaly up to -3°C, was recorded . Weekly precipitation sums were mostly below 25 mm over most part of the SEE region, except at some scattered locations.

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

Outlook

Within the first week (May 11th to 17th, 2015), ECMWF monthly forecast predicts below normal mean weekly air temperature for southern Balkans, Turkey, Cyprus, south Caucasus and Middle East, with anomaly up to -3°C. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected in southern part of Aegean Sea, Cyprus, southern Turkey and eastern part of south Caucasus. Probability for exceeding upper tercile is around 80%.

During the second week (May 18th to 24th, 2015), below normal mean weekly air temperature, with anomaly up to -2°C, is forecast for most part of the Balkans with up to 60% probability for exceeding lower tercile. Precipitation surplus is expected over central Balkans, Israel, Jordan, coastal areas of central and southern Adriatic, Ionian and eastern Aegean Seas, with low probability.

In the period from May 11th to June 7th, 2015, below normal mean monthly air temperature, with anomaly up to -1°C, is expected in some parts of southern Greece, Cyprus, south Caucasus, Middle east, southern and eastern Turkey. Probability for exceeding lower tercile is up to 60%. Monthly precipitation surplus is expected over southern part of Aegean Sea, southwestern Turkey and Cyprus, with up to 80% probability for exceeding upper tercile.

During the following three months (May, June and July) SEEVCCC seasonal forecast predicts above normal seasonal air temperature for most part of the SEE region and below normal seasonal air temperature in northeast and southeast parts of Turkey. Precipitation surplus is predicted for central Romania, central Bulgaria, eastern Turkey and south Caucasus, while precipitation deficit is expected over most part of the Balkans, Mediterranean Sea, eastern Romania, western and southern Turkey and Cyprus.

Update

An updated statement will be issued on 18-5-2015

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

ANNEX

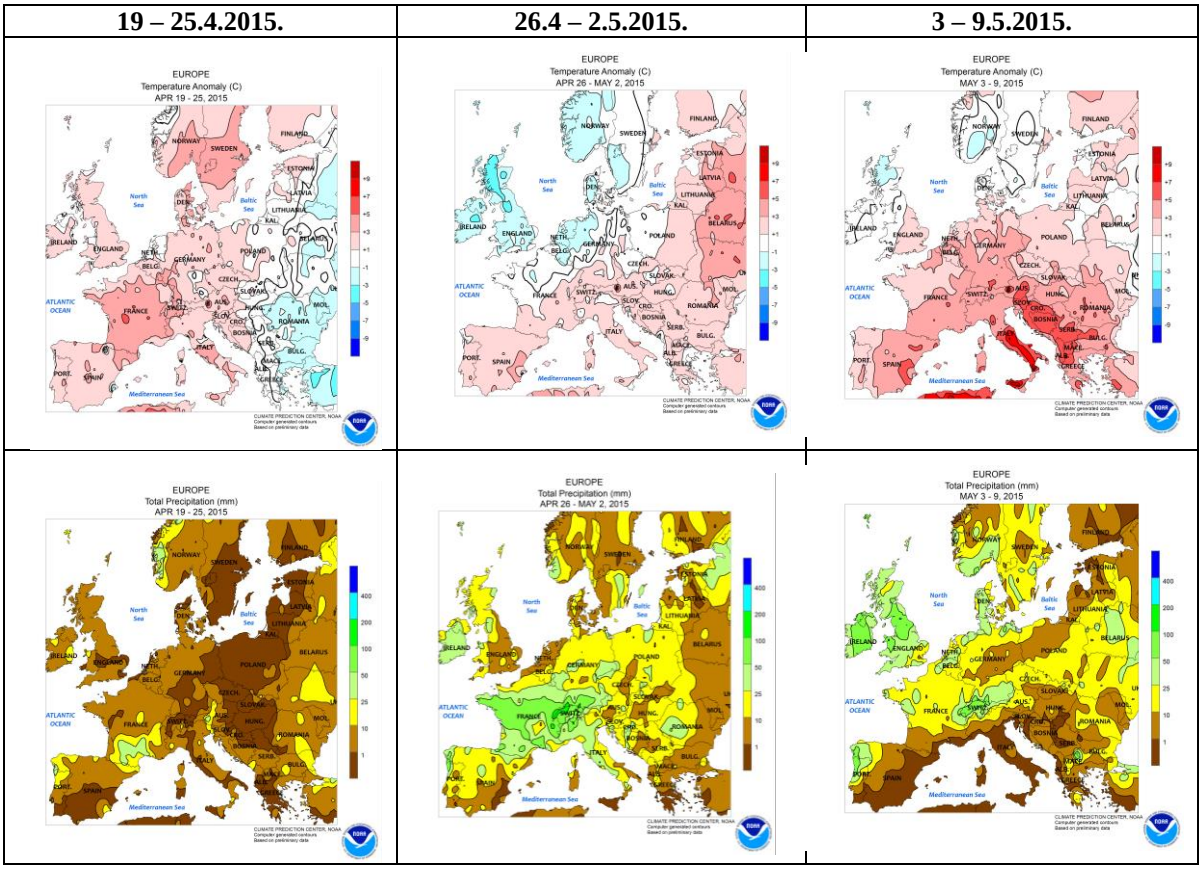

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

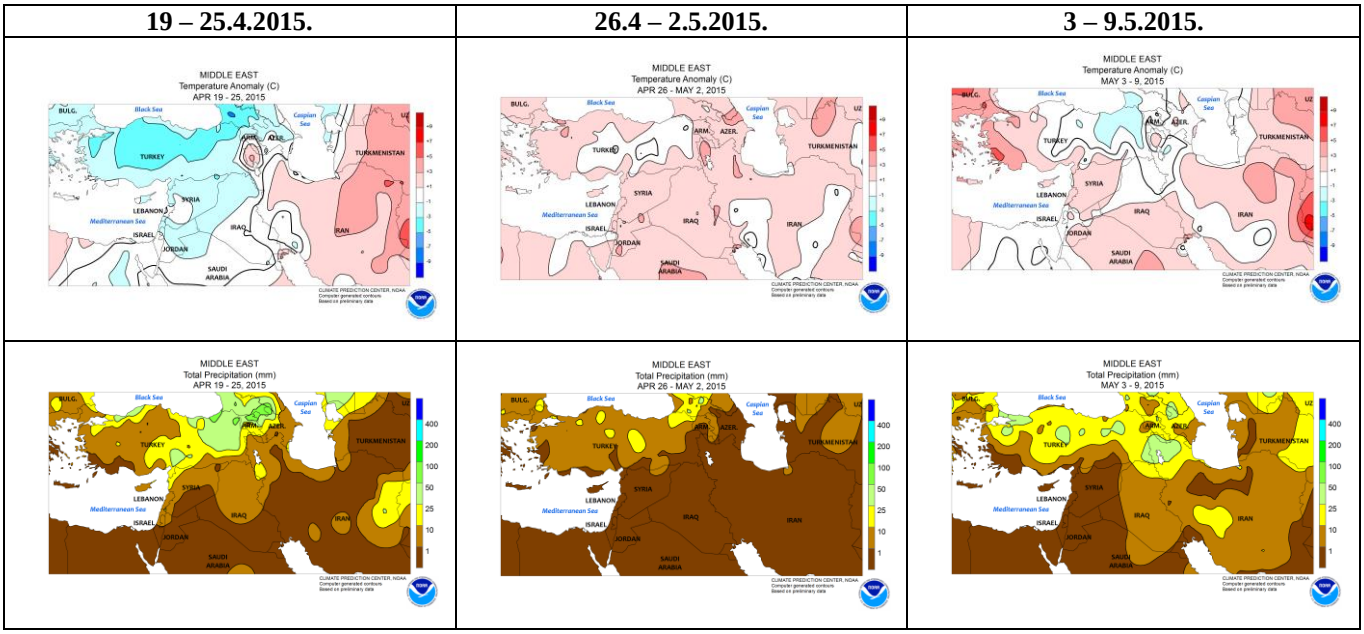

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

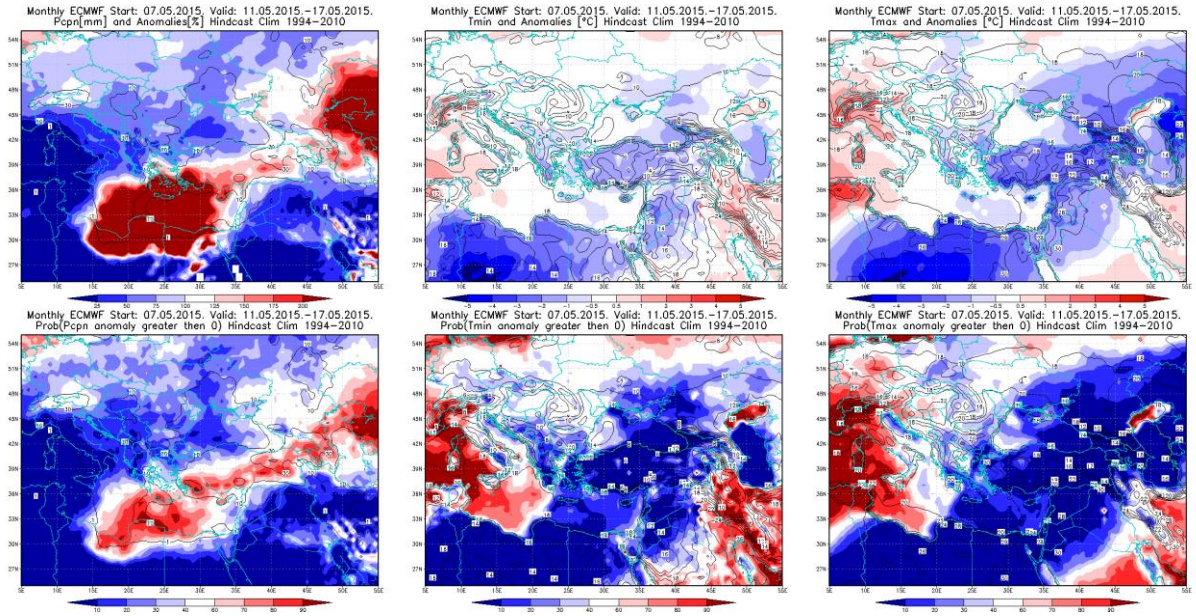

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 11 – 17.5.2015 period

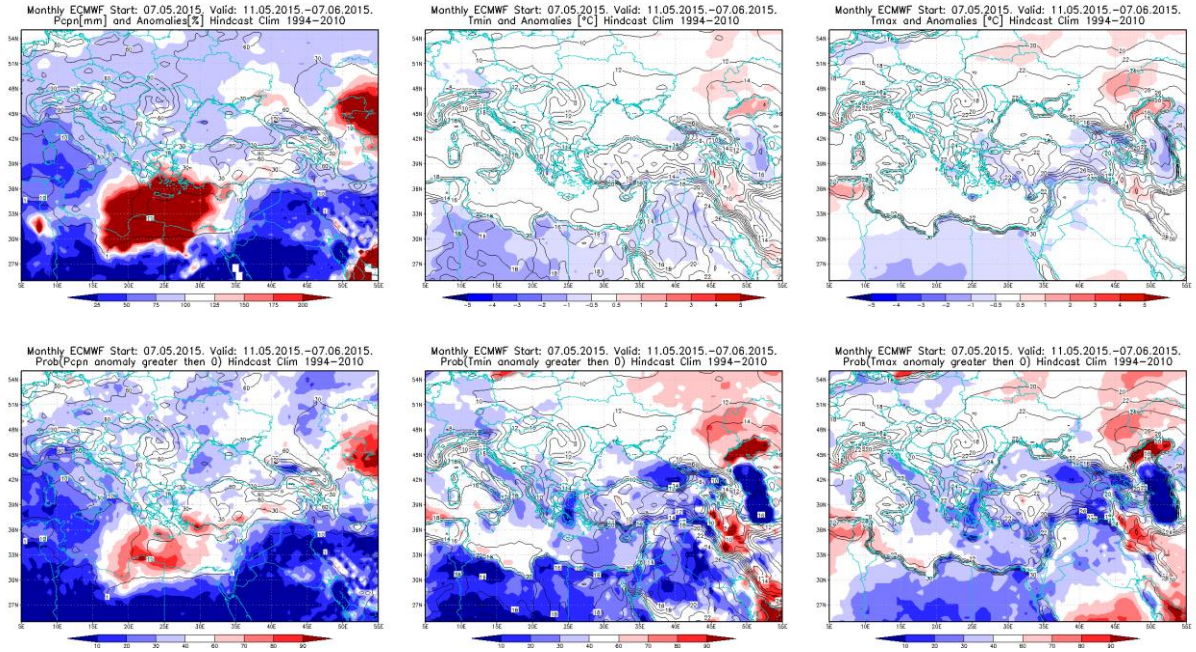

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 11.5 – 7.6.2015 period

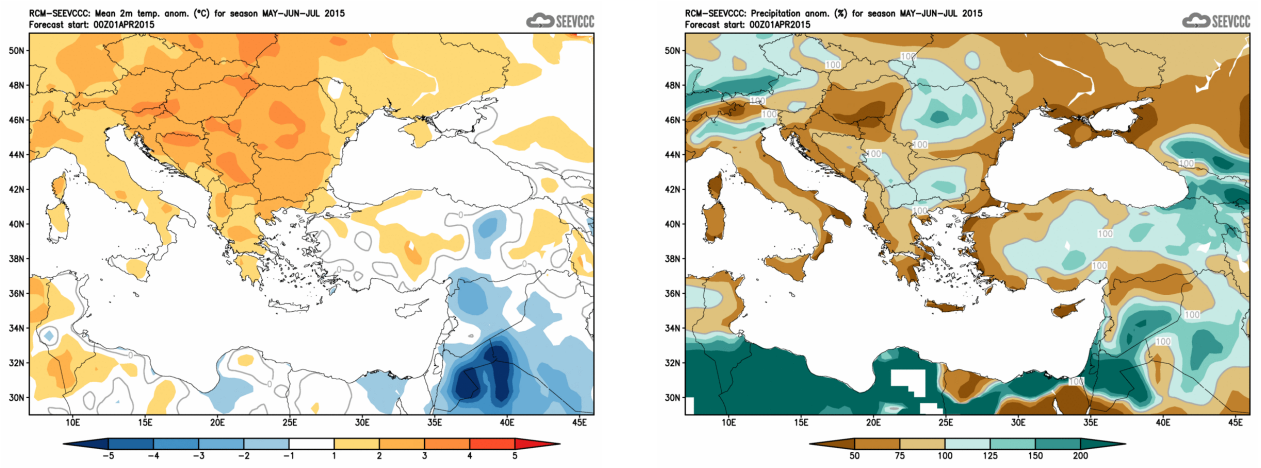

Figure 5. Mean seasonal temperature and precipitation anomaly for the season MJJ (seasonal outlook from RCM – SEEVCCC)

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/)