Climate Watch (Serial No.: 20150518 – 00)

Initial/Updated/Final

Topic: precipitation
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 18-5-2015 12:00 P.M.

Contact: E-mail: cws-seevccc@hidmet.gov.rs
Phone: +381112066925
Fax: +381112066929

Valid from – to: 18-5-2015 – 31-5-2015 Next amendment: 25-5-2015

Region of concern: Greece, Turkey

„From May 18th to 24th 2015, above normal mean weekly air temperature is forecast for most part of the SEE region, with anomaly up to +4°C. Probability for exceeding upper tercile is in a range from 80% over the Balkans up to 90% in central and eastern Turkey. Precipitation surplus is forecasted over Ionian Sea, while deficit is expected in central Balkans, eastern parts of Turkey and south Caucasus. Probability for exceeding upper/lower tercile is up to 80%.“

Monitoring

In the period from May 10th to 16th 2015 above normal air temperature[1] with anomaly up to +5°C, was observed over Balkans and western Turkey, while in central and eastern Turkey 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 in eastern Balkans, south Caucasus, southwestern and southeastern Turkey, where precipitation totals reached 100 mm.

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

Outlook

Within the first week (May 18th to 24th, 2015), ECMWF monthly forecast predicts above normal mean weekly air temperature for most part of the SEE region, with anomaly up to +4°C. Probability for exceeding upper tercile is in a range from 80% over the Balkans up to 90% in central and eastern Turkey. Precipitation surplus is forecasted over Ionian Sea, while deficit is expected in central Balkans, eastern parts of Turkey and south Caucasus. Probability for exceeding upper/lower tercile is up to 80%.

During the second week (May 25th to 31st, 2015), above normal mean weekly air temperature, with anomaly up to +3°C, is forecast for most part of the SEE region with 80% probability for exceeding lower tercile in northwestern Turkey, Adriatic, Ionian and Aegean Seas. Precipitation surplus is expected over eastern and southern Balkans, Cyprus and southern Turkey, with up to 60%probability for exceeding upper tercile.

In the period from May 18th to June 14th, 2015, above normal mean monthly air temperature, with anomaly up to +3°C, is expected in most part of the SEE region. Probability for exceeding upper tercile is up to 90%. Monthly precipitation surplus is expected over southern Balkans and southwestern Turkey, with up to 60% probability for exceeding upper tercile.

During the following three months (June, July and August) SEEVCCC seasonal forecast predicts above normal seasonal air temperature for the Balkans and below normal seasonal air temperature in Middle East, some central parts of Turkey and Armenia. Precipitation surplus is predicted for mountainous regions of central Romania, central Bulgaria, central and eastern Turkey, south Caucasus and Middle East, while precipitation deficit is expected over the Pannonian Plain and coastal areas of Adriatic, Ionian, Aegean, Black and Mediterranean Seas.

Update

An updated statement will be issued on 25-5-2015

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

ANNEX

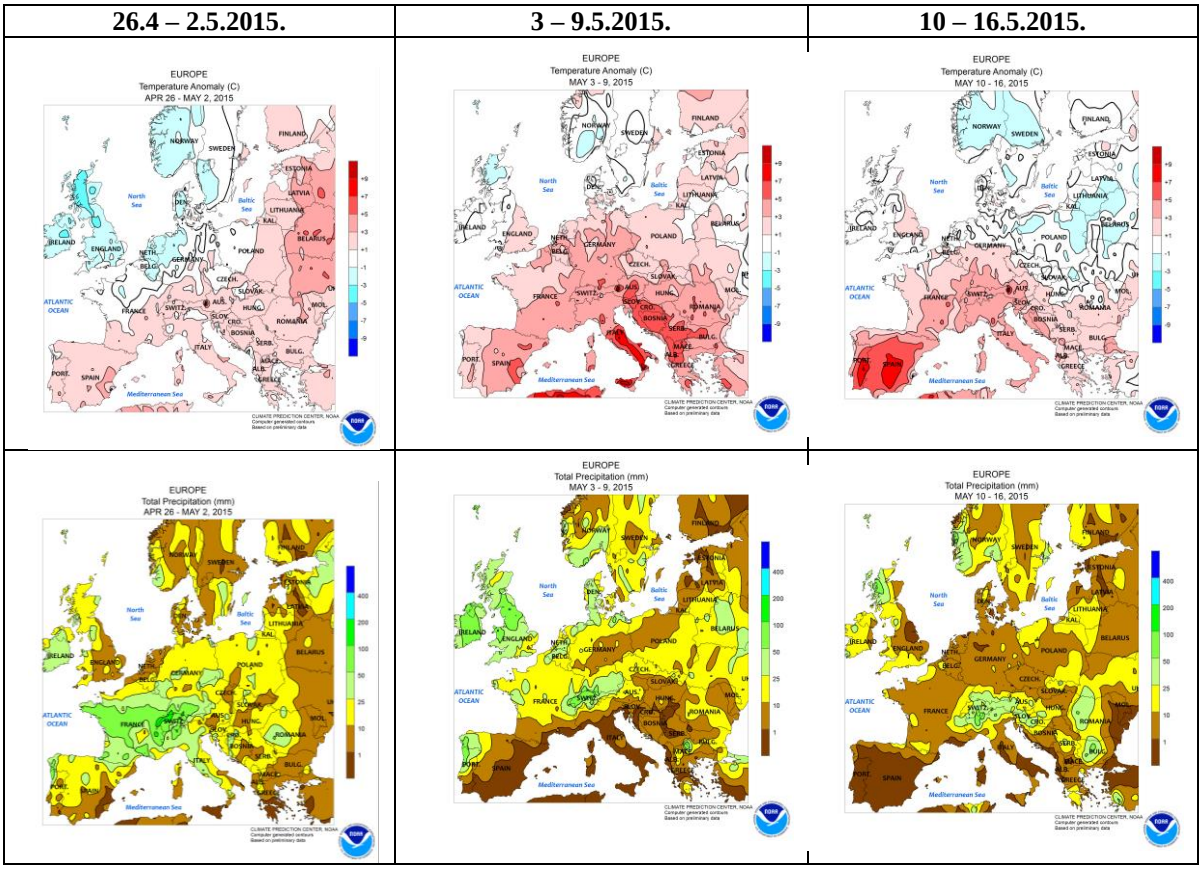

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

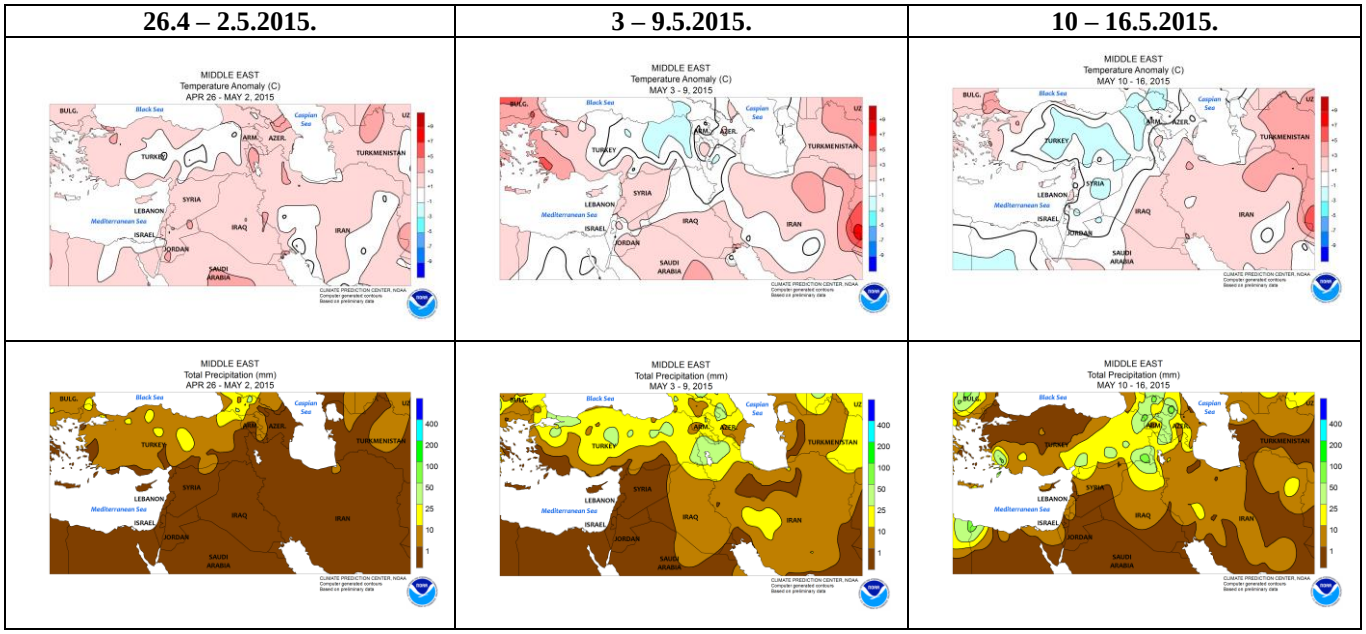

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

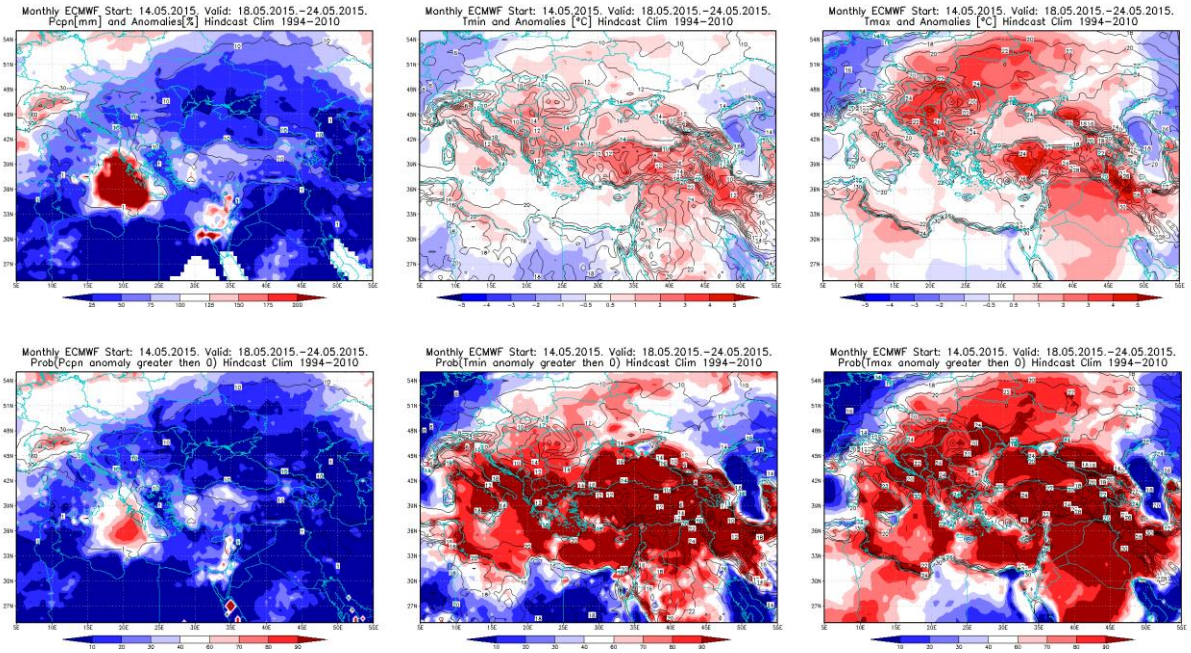

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 18 – 24.5.2015 period

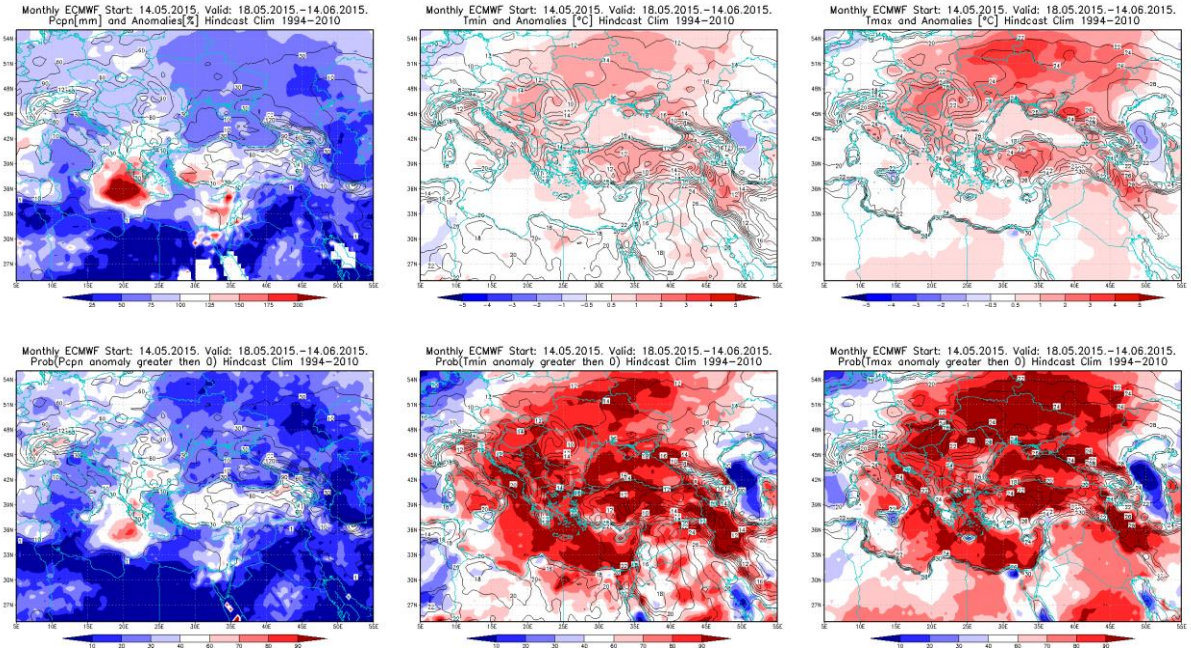

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 18.5 – 14.6.2015 period

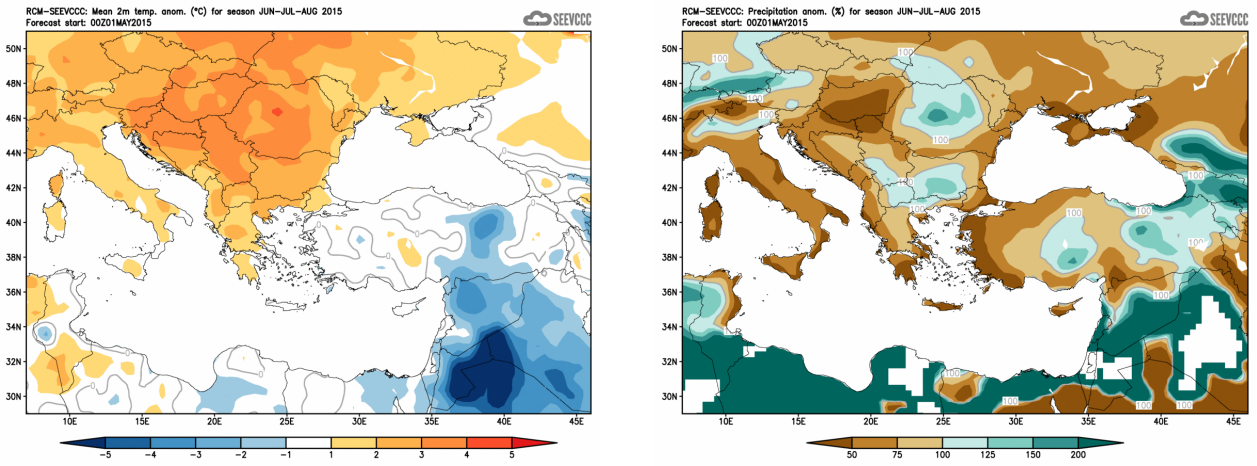

Figure 5. Mean seasonal temperature and precipitation anomaly for the season JJA (seasonal outlook from RCM – SEEVCCC)

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/)