

Climate Watch (Serial No.: 20150504 – 00)

Initial/Updated/Final

Topic: precipitation
Organization issuing
the statement: SEEVCCC

Issued/ Amended / 4-5-2015 12:00 P.M.
Cancelled

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

Valid from – to: 4-5-2015 – 17-5-2015 Next amendment: 11-5-2015

Region of concern: Turkey, south Caucasus, Middle East

„From May 4th to 10th 2015, above normal mean weekly air temperature is forecast for most part of the SEE region, with anomaly up to +5°C. Probability for exceeding upper tercile is up to 90%. Precipitation deficit is expected in southern part of the Balkans, coastal part of Adriatic and Aegean Sea, western and southwestern Turkey and Cyprus. Probability for exceeding lower is around 70%.“

Monitoring

In the period from April 26th to May 2nd, 2015 above normal air temperature¹ with anomaly up to +3°C, was observed in most part of the SEE region. Weekly precipitation sums were below 25 mm over most part of the SEE region.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (May 4th to 10th, 2015), ECMWF monthly forecast predicts above normal mean weekly air temperature for most part of the SEE region, with anomaly up to +5°C. Probability for exceeding upper tercile is up to 90%. Precipitation deficit is expected in southern part of the Balkans, coastal part of Adriatic and Aegean Sea, western and southwestern Turkey and Cyprus. Probability for exceeding lower is around 70%. Precipitation surplus is forecast for northern Serbia, northern Romania, northern Moldova, central Bulgaria and most of south Caucasus with less confidence.

During the second week (May 11th to 17th, 2015), below normal mean weekly air temperature, with anomaly up to -2°C, is forecast for most part of the Balkans, Romania and Moldova, with around 60% probability for exceeding lower tercile. Precipitation surplus is expected in most part of the Balkans, Romania, Moldova and Cyprus with low probability.

In the period from May 4th to 31st, 2015, above normal mean monthly air temperature, with anomaly up to +2°C, is expected in most of Greece, Turkey and south Caucasus. Probability for exceeding upper tercile is around 60%. Monthly precipitation surplus is expected in northern Moldova, northern Romania, most of Serbia, southern Bulgaria and southern part of Aegean Sea, with low probability.

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 11-5-2015

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

ANNEX

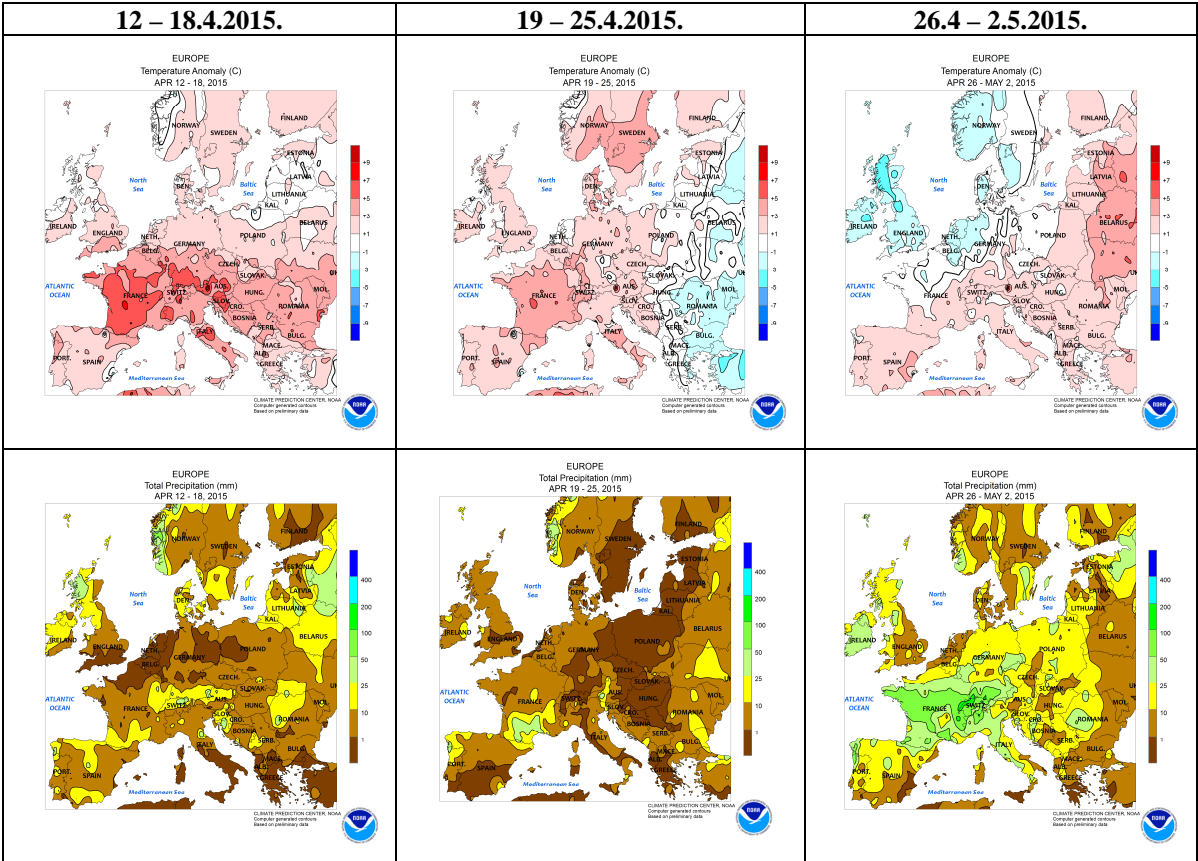


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

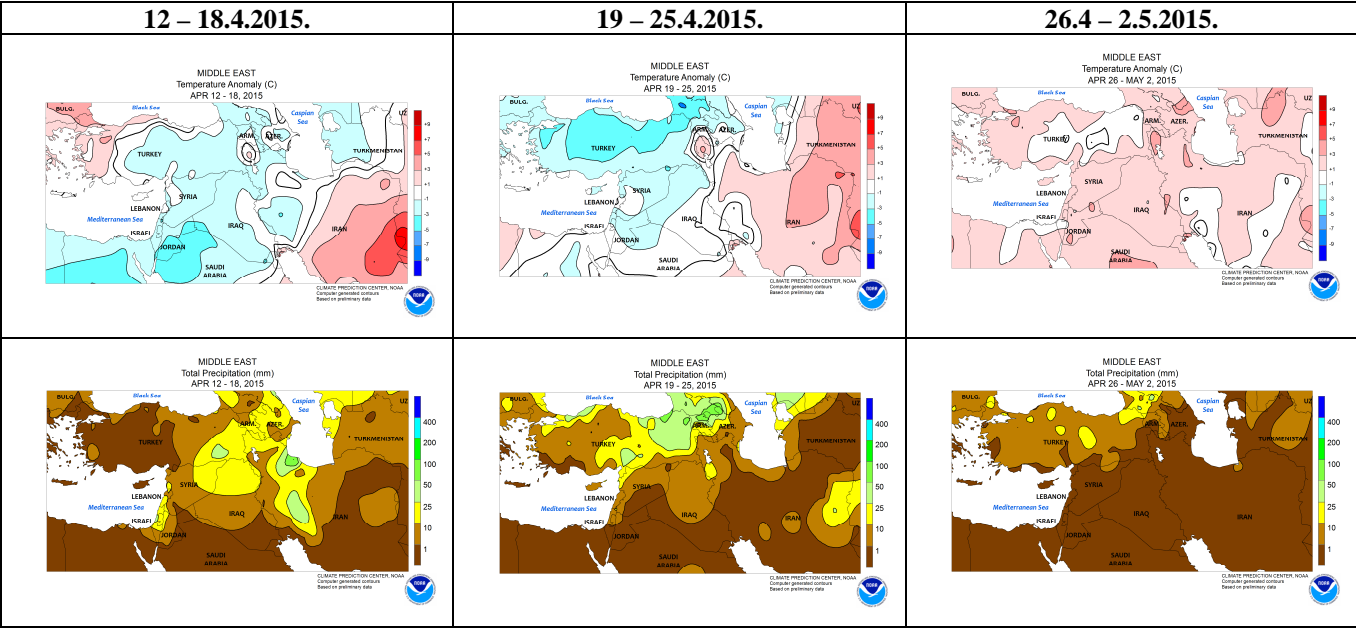


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

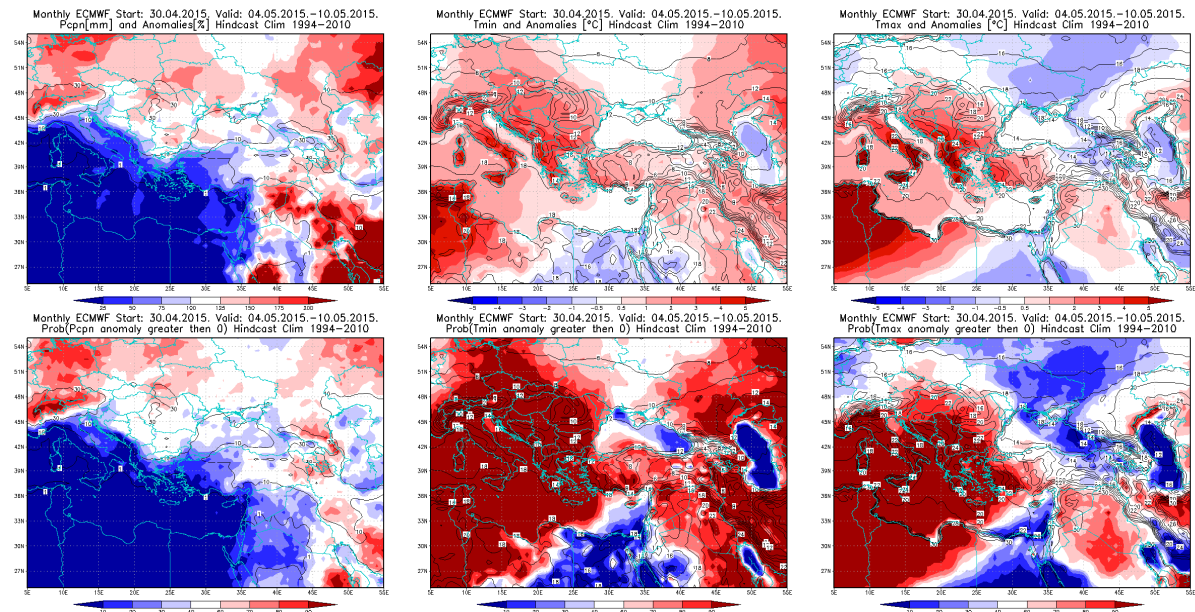


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 4 – 10.5.2015 period

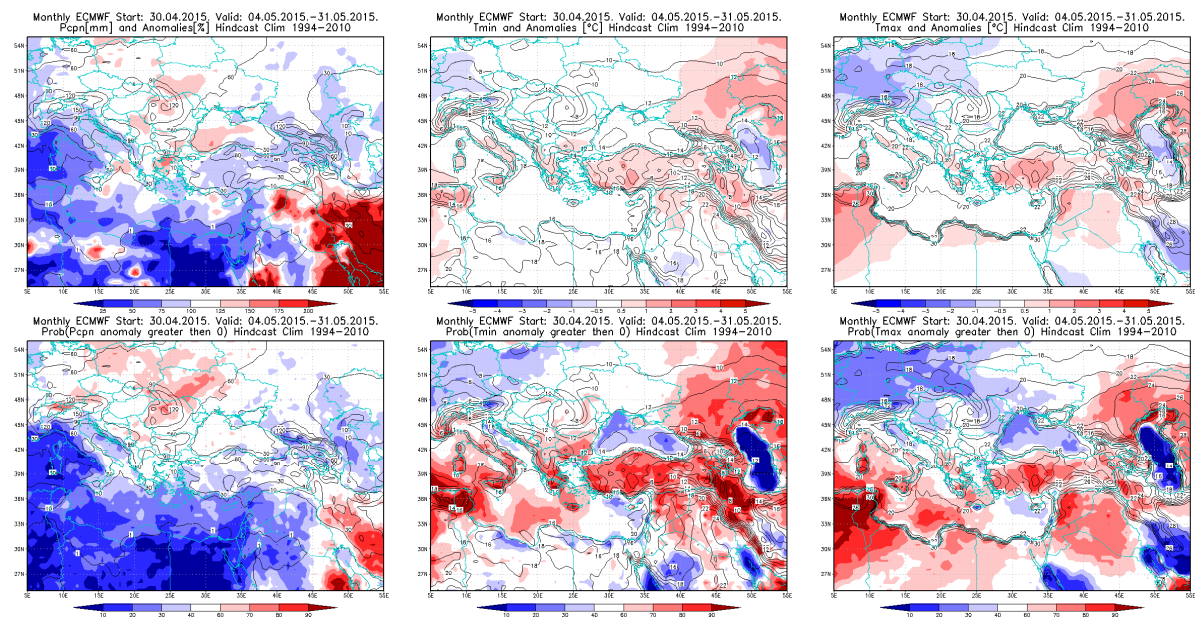


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 4 – 31.5.2015 period

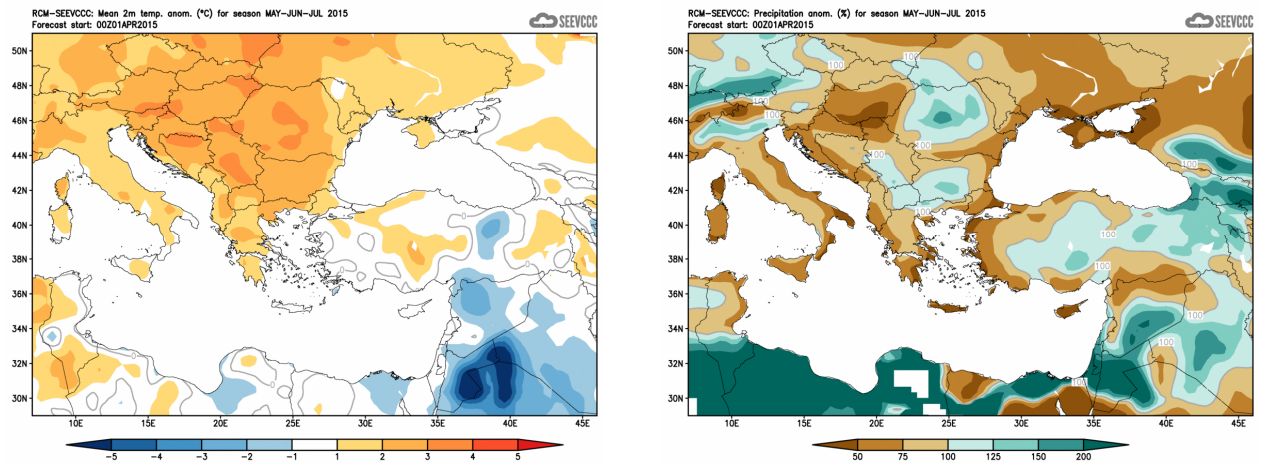


Figure 5. Mean seasonal temperature and precipitation anomaly for the season MJJ (seasonal outlook from RCM – SEEVCCC)

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/>)