

Climate Watch (Serial No.: 20150525 – 00)

Initial/Updated/Final

Topic: precipitation
Organization issuing
the statement: SEEVCCC

Issued/ Amended /
Cancelled 25-5-2015 12:00 P.M.

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Valid from – to: 25-5-2015 – 7-6-2015 Next amendment: 1-6-2015

Region of concern: Balkans

„From May 25th to 31st 2015, below normal mean weekly air temperature is forecasted for western, central and southern part of the Balkans, with anomaly up to -4°C. Above normal mean weekly air temperature, with anomaly up to +4°C, is expected for Turkey and south Caucasus. Probability for exceeding lower/upper tercile is around 90%. Precipitation surplus is forecasted over most part of the Balkans and Adriatic Sea. Probability for exceeding upper tercile is above 80%.“

Monitoring

In the period from May 17th to 23rd 2015 above normal air temperature¹ with anomaly up to +5°C, was observed in the most part of the SEE region, in central Turkey even up to +7°C. Weekly precipitation sums were in range from 50 mm to 200 mm in Croatia and Bosnia and Herzegovina. In rest of the region precipitation totals were below 25 mm.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (May 25th to 31st, 2015), ECMWF monthly forecast predicts below normal mean weekly air temperature for western, central and southern part of the Balkans, with anomaly up to -4°C. Above normal mean weekly air temperature, with anomaly up to +4°C, is expected for Turkey and south Caucasus. Probability for exceeding lower/upper tercile is around 90%. Precipitation surplus is forecasted over most part of the Balkans and Adriatic Sea. Probability for exceeding upper tercile is above 80%.

During the second week (June 1st to 7th, 2015), below normal mean weekly air temperature, with anomaly up to -2°C, is forecast for most part of the Balkans and central Turkey with 60% probability for exceeding lower tercile. Precipitation surplus is expected over eastern and southern Balkans with less probability.

In the period from May 25th to June 21st, 2015, below normal mean monthly air temperature is predicted for western, central and southern part of the Balkans, with anomaly up to -2°C. Probability for exceeding lower tercile is around 70%. Above normal mean monthly air temperature, with anomaly up to +2°C, is expected for central Turkey with around 80% probability. Monthly precipitation surplus is expected over central, southern and eastern part of the Balkans and northern and westernmost 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 1-6-2015

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

ANNEX

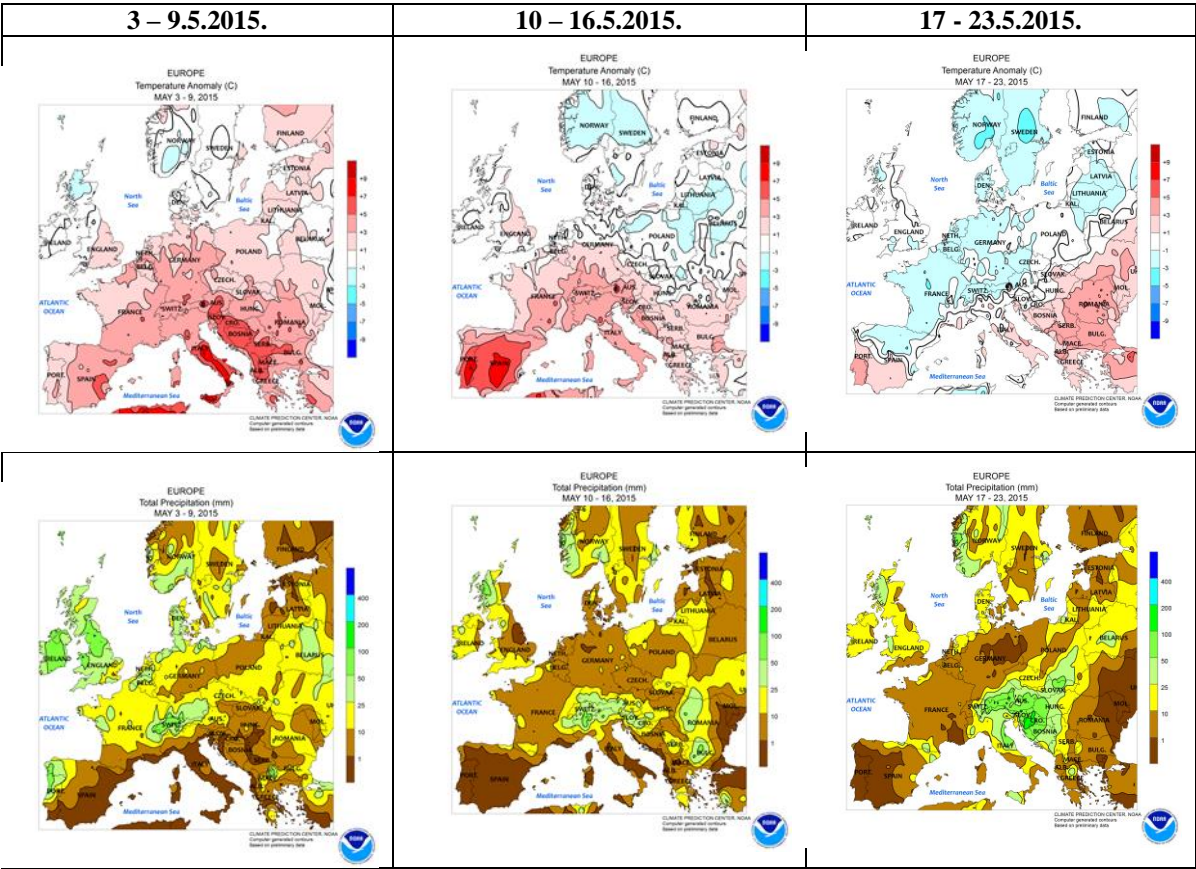


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

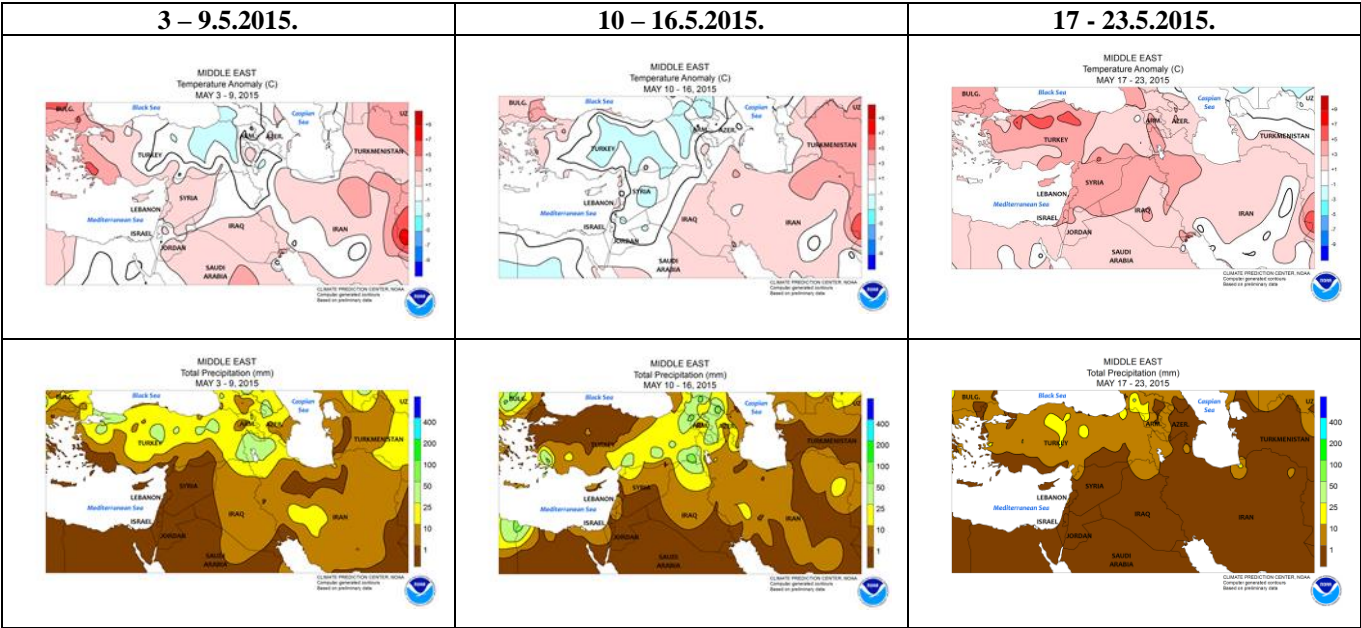


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

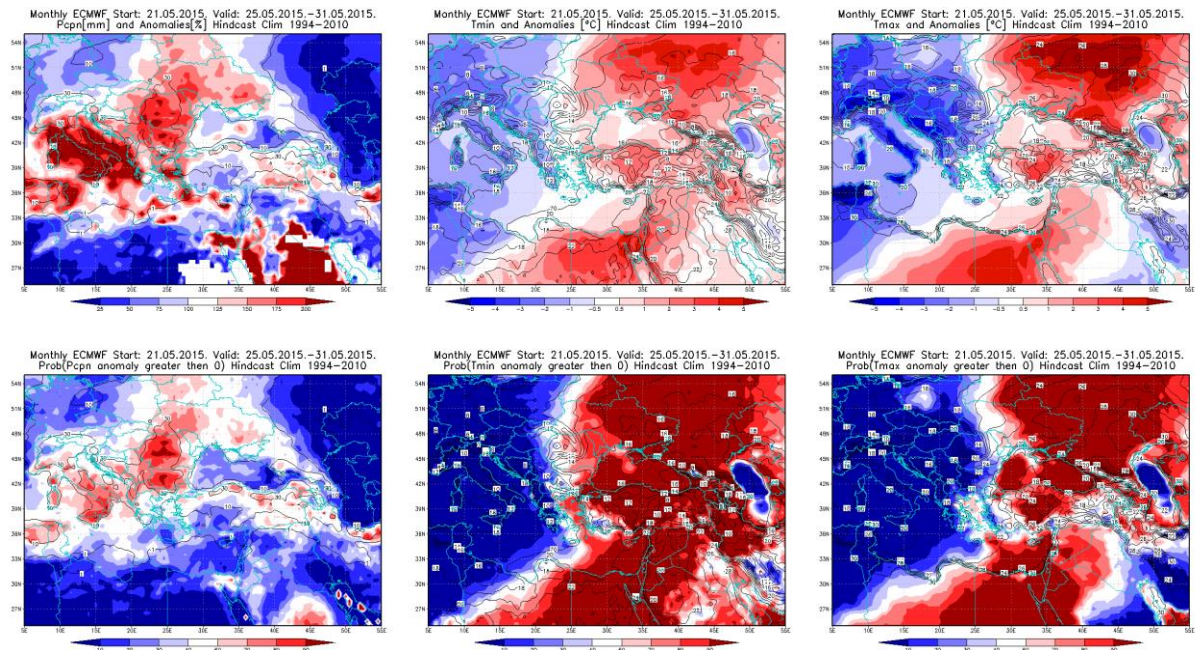


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 25 – 31.5.2015 period

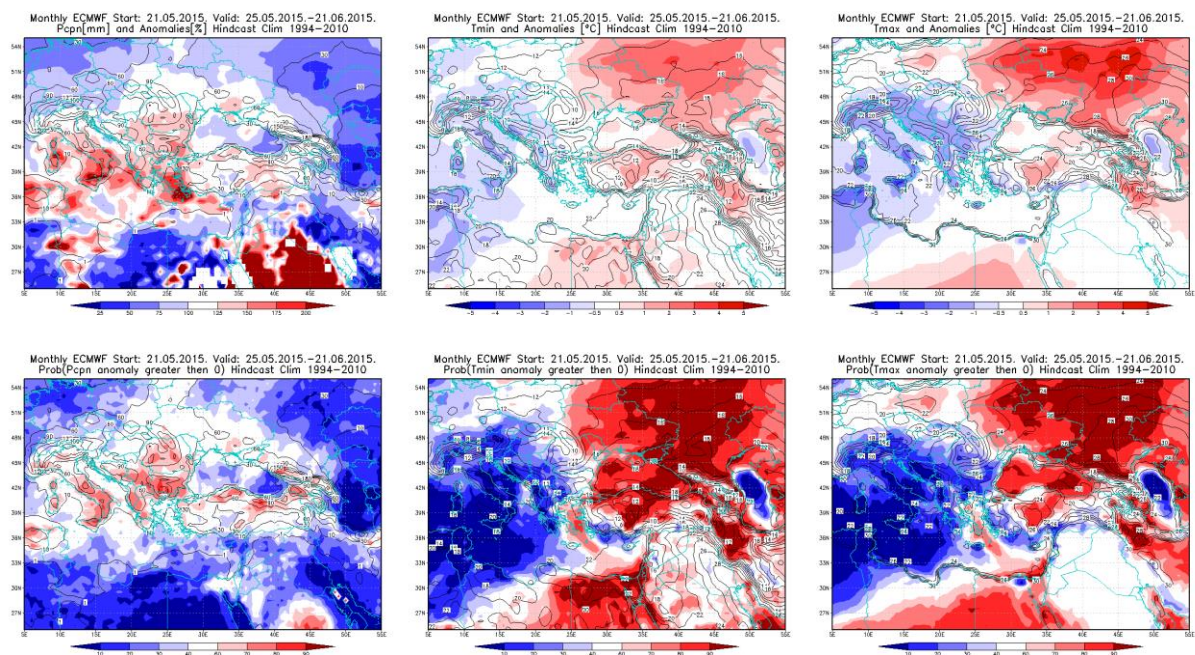


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 25.5 – 21.6.2015 period

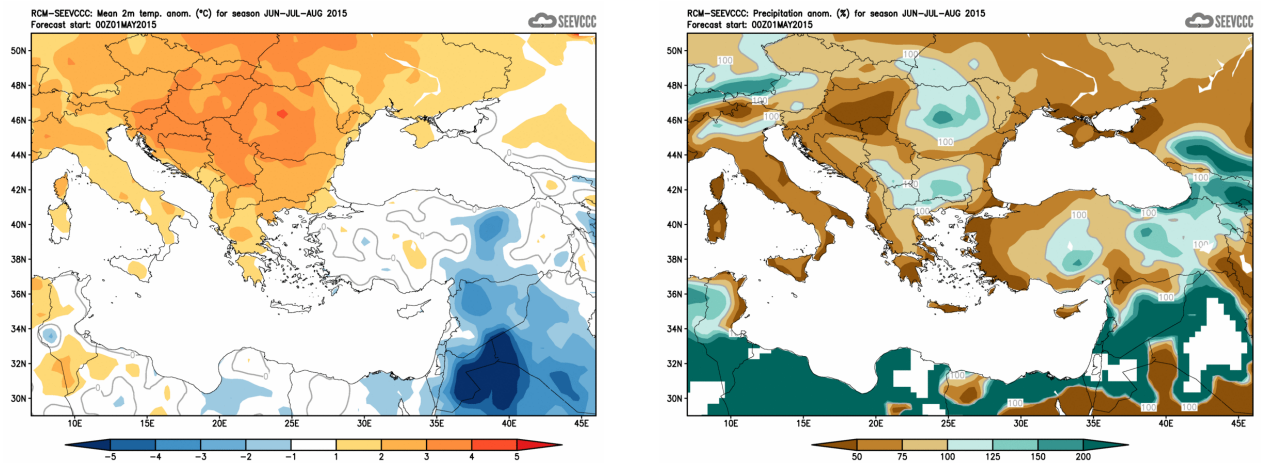


Figure 5. Mean seasonal temperature and precipitation anomaly for the season JJA (seasonal outlook from RCM – SEEVCCC)

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/>)