Climate Watch (Serial No.: 20180416 – 00)

Initial/Updated/Final

Topic**: temperature and precipitation**
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 16-4-2018 12:00 P.M.

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Region of concern: **Balkans, Moldova, Ukraine**

„In the period from April 16th to 22nd 2018, ECMWF monthly forecast predicts above normal mean weekly air temperature in most of the SEE region with anomaly reaching up to +4°C in most of the Balkans, western Ukraine and Moldova. Probability for exceeding upper tercile is around 90%. Precipitation deficit is predicted for most of the SEE region with probability up to 80% for exceeding lower tercile. Precipitation surplus is expected for most of Greece with probability around 60% for exceeding upper tercile"

Monitoring

In the period from April 8th to 14th 2018, above normal air temperature, with anomaly up to +5°C was observed in most of the region. In part of western Turkey, most of the Balkans and part of central Ukraine anomaly reached up to +7°C, whilst in western Ukraine, most of Moldova, Romania and most of Serbia anomaly was up to +9°C. Weekly precipitation sums, reaching up to 50 mm were registered in southern Turkey, Slovenia and western Croatia. In rest of the region precipitation totals were below 10 mm.

Outlook

Within the first week (April 16th to 22nd 2018), ECMWF monthly forecast predicts above normal mean weekly air temperature in most of the SEE region with anomaly reaching up to +4°C in most of the Balkans, western Ukraine and Moldova. Probability for exceeding upper tercile is around 90%. Below normal mean weekly air temperature with anomaly up to -3°C is expected in south Caucasus, with probability for exceeding lower tercile around 60%. Precipitation deficit is predicted for most of the SEE region with probability up to 80% for exceeding lower tercile. Precipitation surplus is expected for most of Greece with probability around 60% for exceeding upper tercile.

During the second week (April 23rd to 29th 2018), above normal mean weekly air temperature is expected in most of the Balkans with anomaly reaching up to +2°C. Below normal mean weekly air temperature, with anomaly up to -2°C is predicted for eastern Turkey, south Caucasus and Middle East. Probability for exceeding upper/lower tercile is around 60%. Average precipitation is predicted for most of the SEE region.

In the period from April 16th to May 13th 2018, above normal mean monthly air temperature is expected in the entire SEE region with anomaly around +2°C and probability for exceeding upper tercile up to 80%. Average precipitation is predicted for most of the SEE region.

During the following three months (May, June and July) seasonal forecast predicts above normal seasonal air temperature for most of the SEE region. Below normal seasonal air temperature is expected in Jordan and part of northeastern Turkey. Precipitation deficit is expected in most of the SEE region. Precipitation surplus is predicted for the Carpathian region, South Caucasus, northeastern Turkey, most of Jordan and Israel.

Update

An updated statement will be issued on 23-4-2018

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

ANNEX

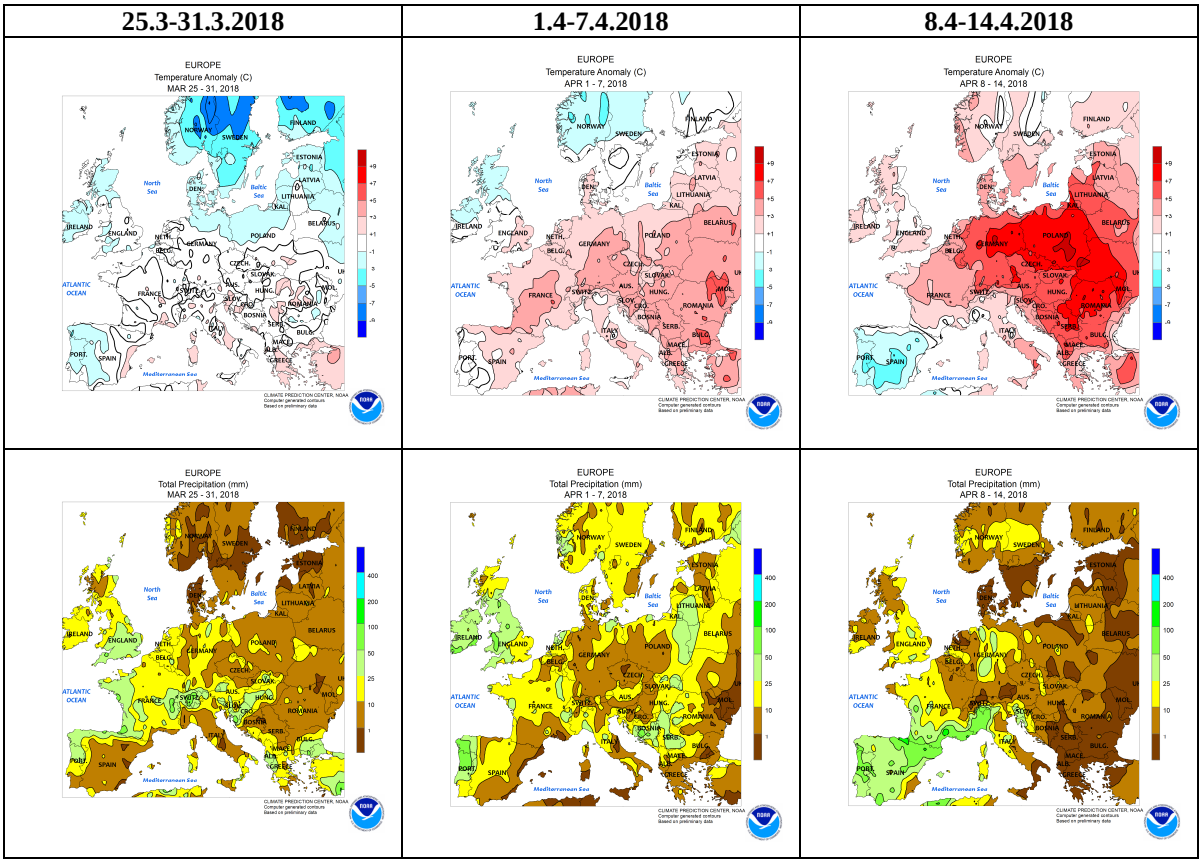

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

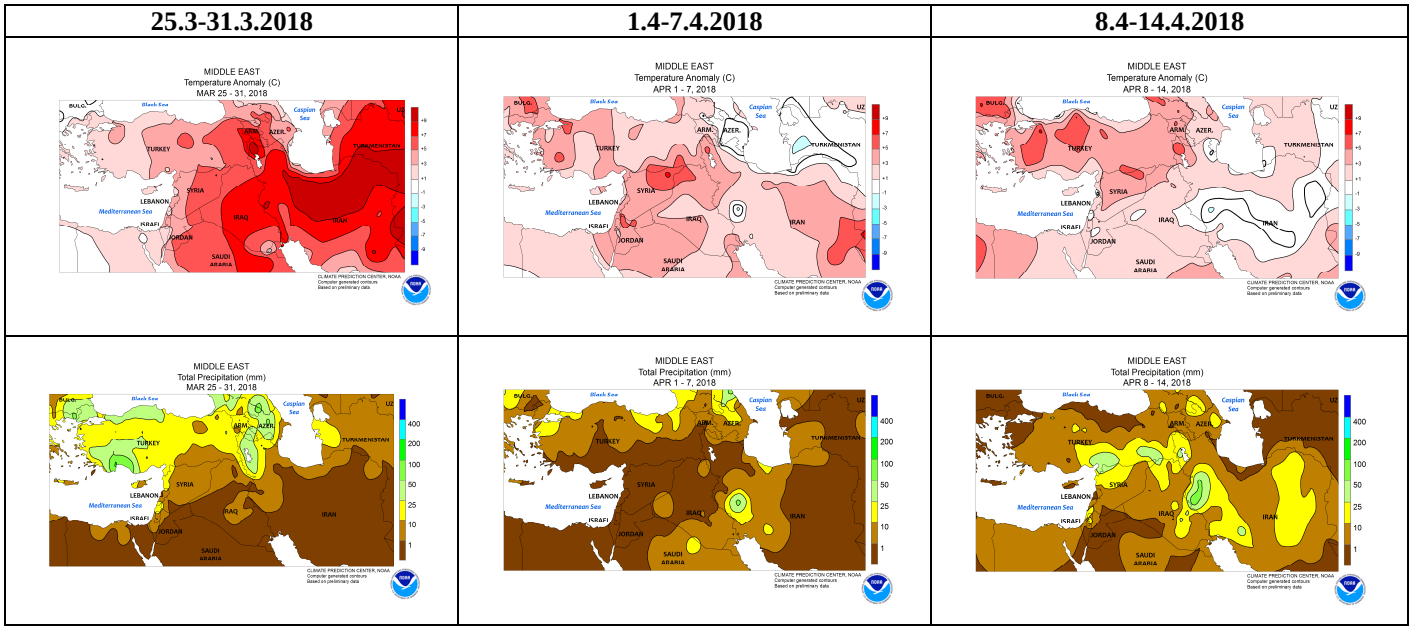

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

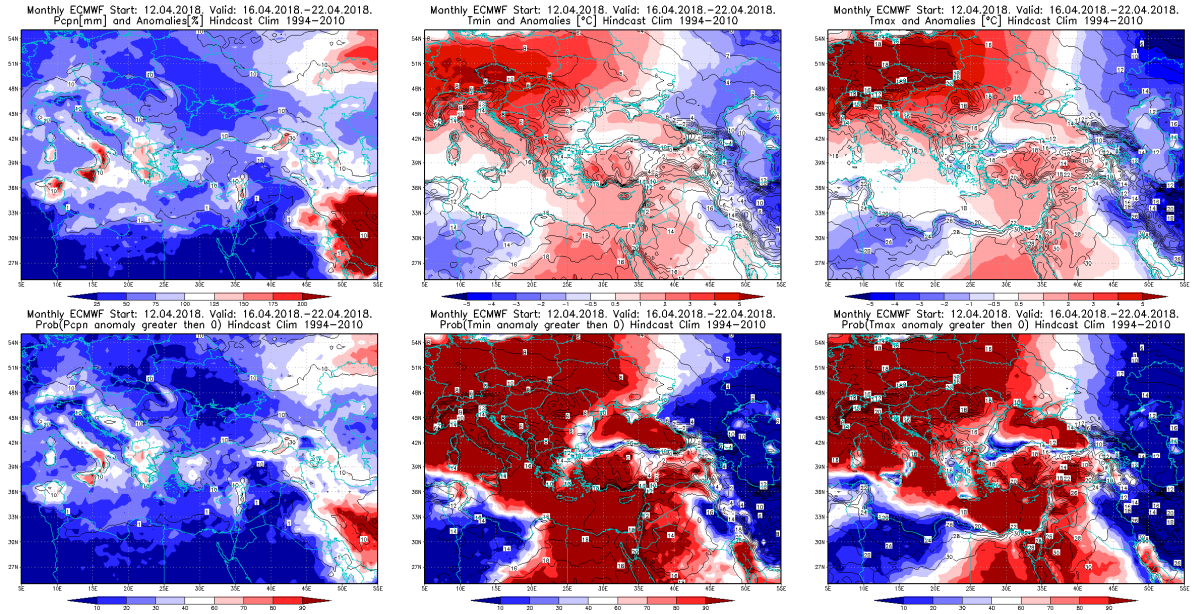

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 16.4 – 22.4.2018 period

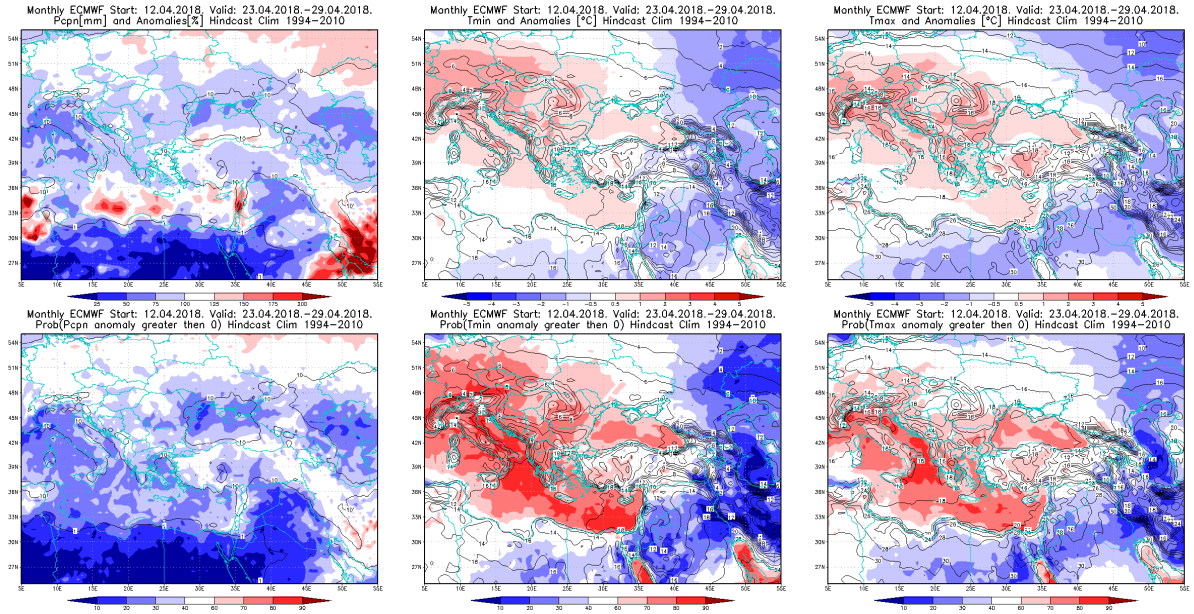

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 23.4 – 29.4.2018 period

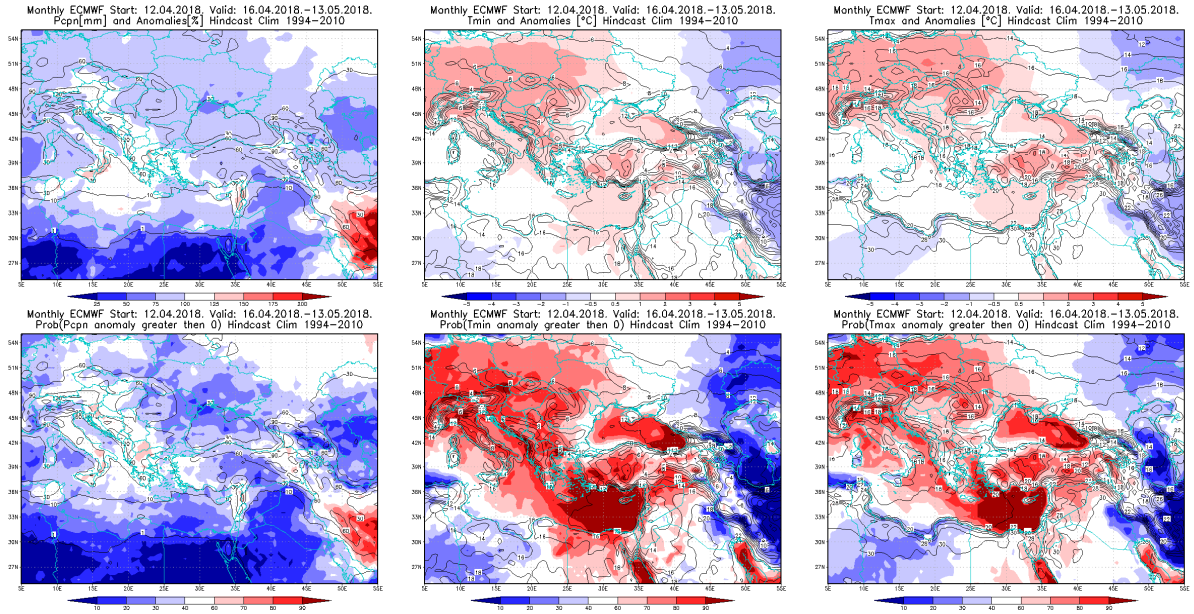

Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 16.4 – 13.5.2018 period

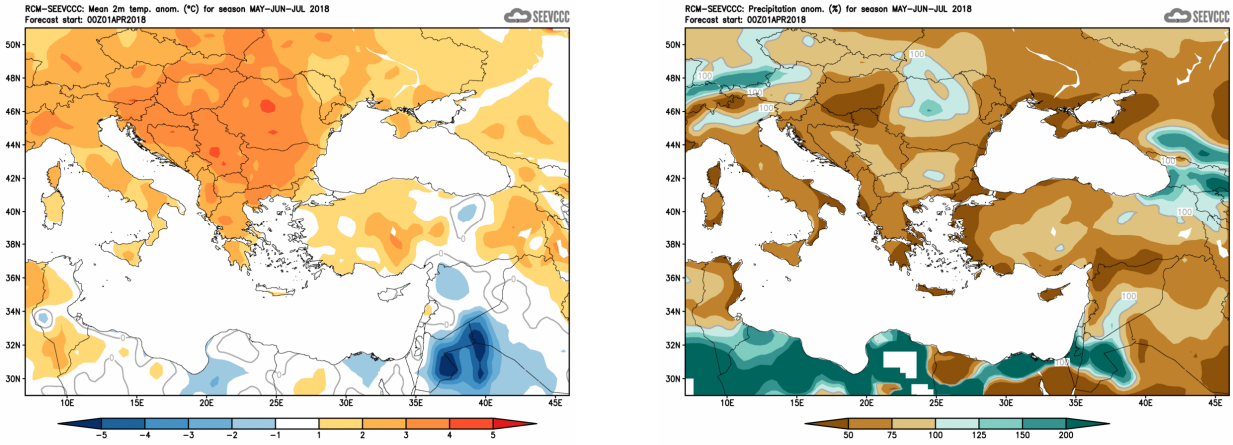

Figure 6. Mean seasonal temperature and precipitation anomaly for the season MJJ (seasonal outlook from RCM – SEEVCCC)

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/)