Climate Watch (Serial No.: 20180514 – 00)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 14-5-2018 12:00 P.M.

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Region of concern: **Romania, Croatia, Montenegro, Albania, Greece, Ukraine, Cyprus, Turkey, South Caucasus**

„In the period from May 14th to 20th 2018, ECMWF monthly forecast predicts above normal mean weekly air temperature in Ukraine, central Turkey, South Caucasus, as well as over East Mediterranean, Aegean and Black Sea, with up to +4°C anomaly. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is expected in south Carpathians, along the coasts of the Adriatic and Ionian Sea, with probability reaching up to 90% for exceeding upper tercile."

Monitoring

In the period from May 6th to 12th 2018, above normal air temperature, with anomaly reaching up to +7°C, was registered in most of the region. Below normal air temperature with up to -3°C anomaly was observed in southeast Turkey and northernmost part of Israel. Weekly precipitation sums reaching up to 200 mm were registered in some parts of western and southern Balkans, southern Carpathians, South Caucasus, as well as northwestern, central and eastern Turkey. In the rest of the region precipitation totals were below 25 mm.

Outlook

Within the first week (May 14th to 20th 2018), ECMWF monthly forecast predicts above normal mean weekly air temperature in Ukraine, central Turkey, South Caucasus, as well as over East Mediterranean, Aegean and Black Sea, with up to +4°C anomaly. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is expected in south Carpathians, along the coasts of the Adriatic and Ionian Sea, with probability reaching up to 90% for exceeding upper tercile.

During the second week (May 21st to 27th 2018), above normal mean weekly air temperature is expected in some parts of central Turkey, South Caucasus and Middle East, as well as over East Mediterranean, Aegean and Black Sea, with anomaly reaching up to +3°C. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is expected in most of the Balkans, northwestern Turkey, Georgia and Middle East, with around 60% probability for exceeding upper tercile.

In the period from May 14th to June 10th 2018, above normal mean monthly air temperature is expected in some parts of central Turkey, South Caucasus and Ukraine, as well as over East Mediterranean, Aegean and Black Sea, with anomaly up to +2°C in. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is expected in south Carpathians, along the coasts of the Adriatic and Ionian Sea, with 70% probability for exceeding upper tercile.

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 21-5-2018

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

ANNEX

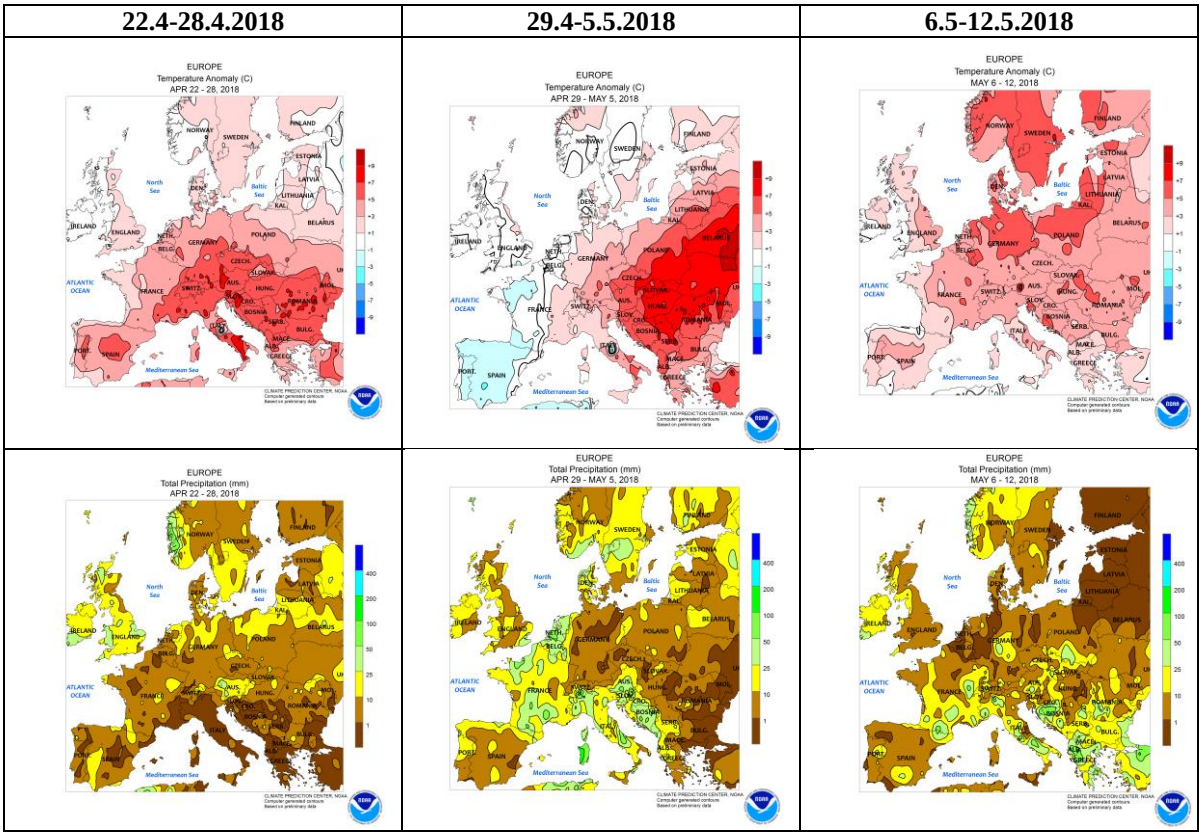

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

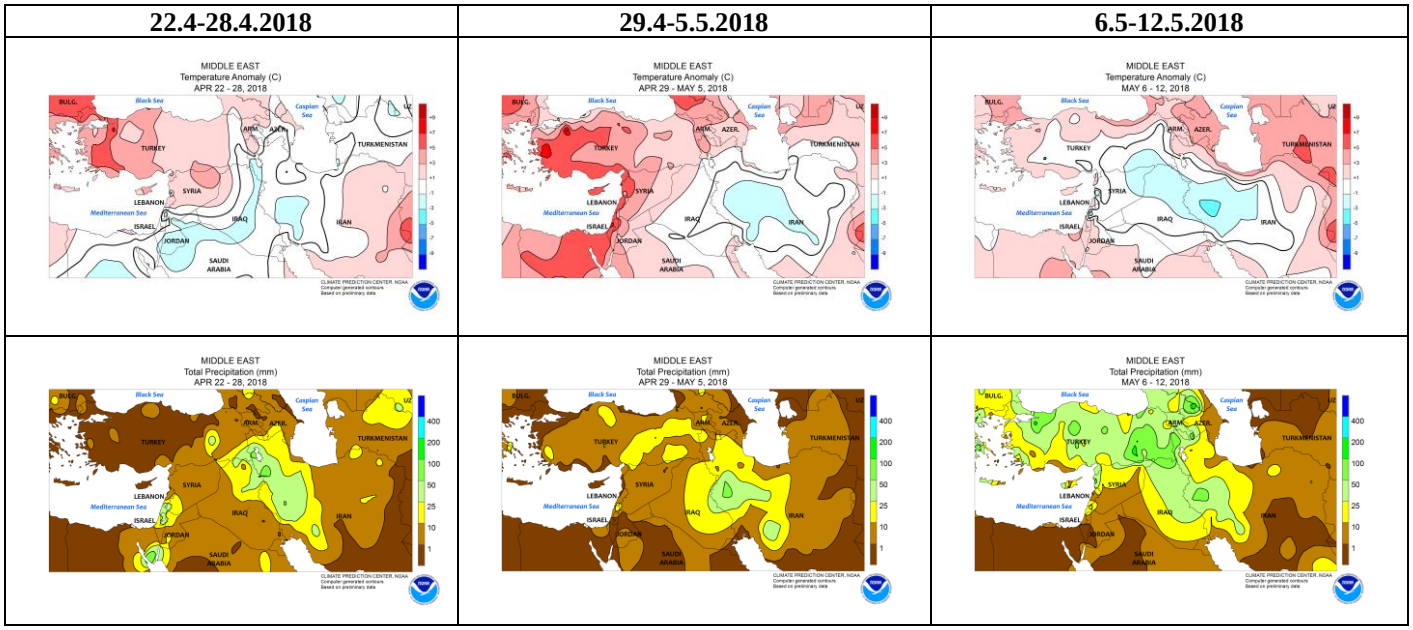

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

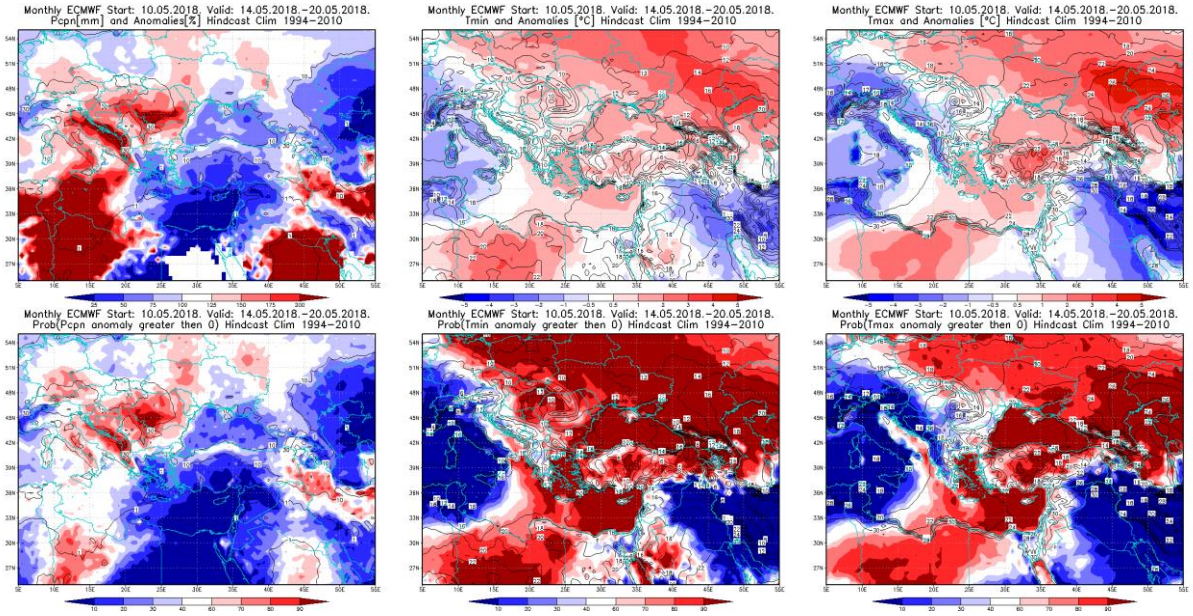

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 14.5 – 20.5.2018 period

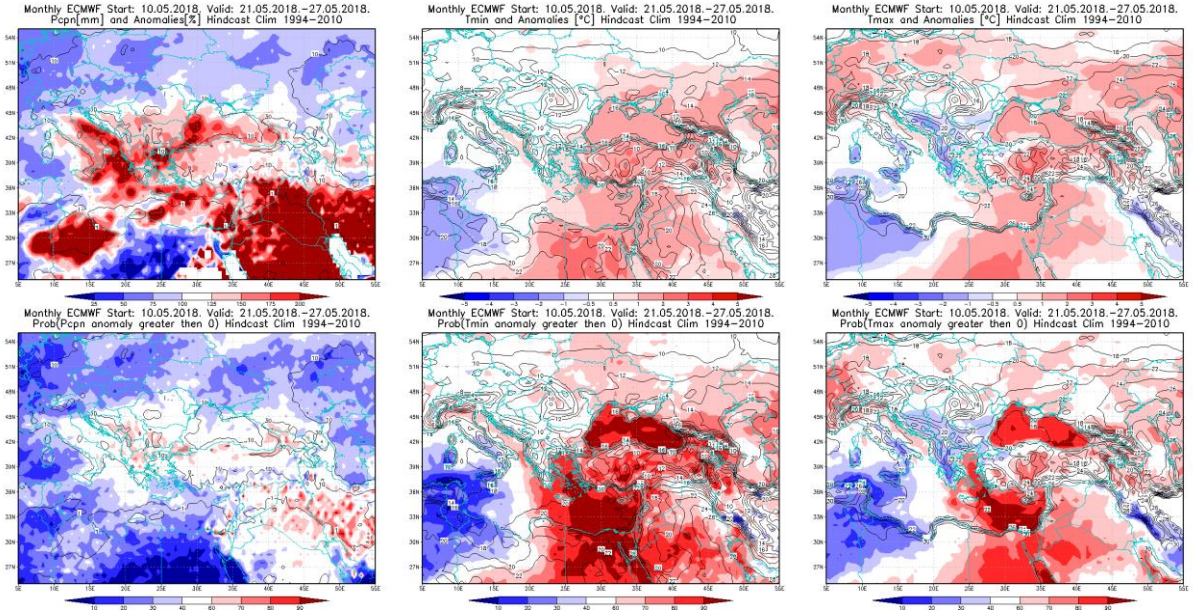

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 21 – 27.5.2018 period

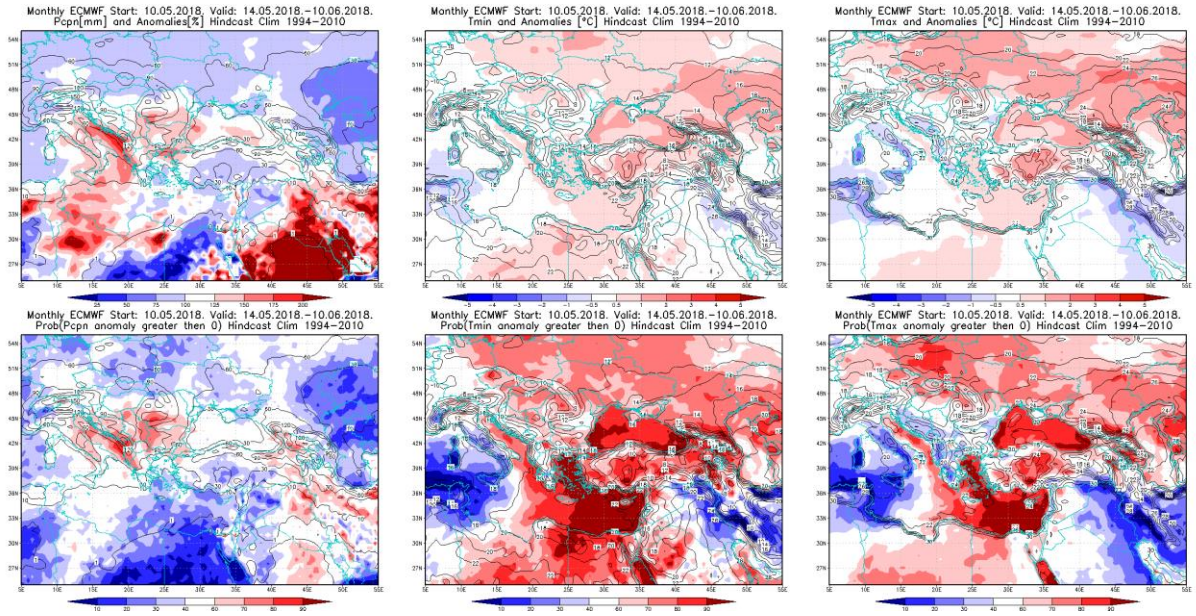

Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 14.5 – 10.6.2018 period

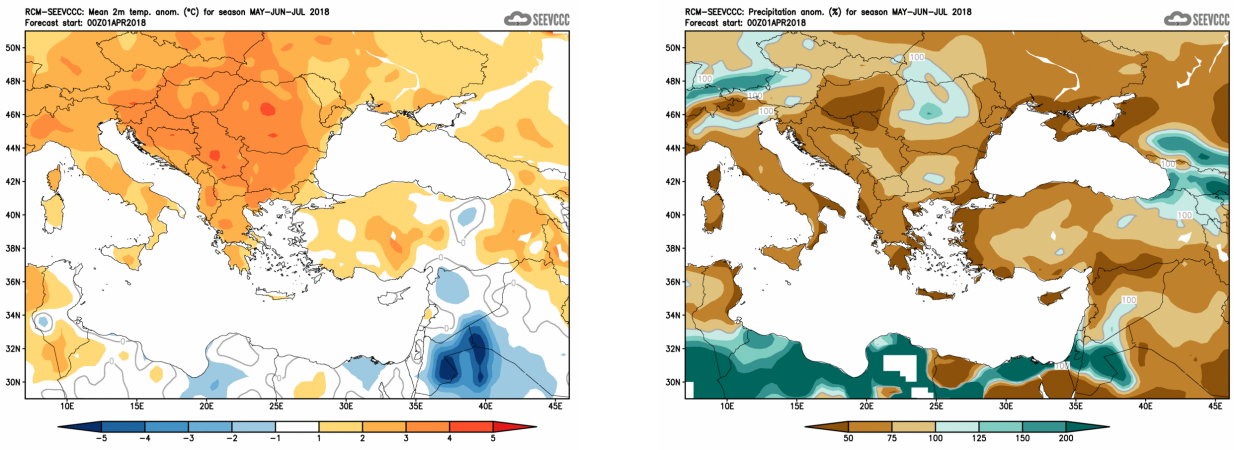

Figure 6. Mean seasonal temperature and precipitation anomaly for the season MJJ (seasonal outlook from RCM – SEEVCCC)

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/)