Climate Watch (Serial No.: 20151005 – 00)

Initial/Updated/Final

Topic: precipitation
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 5-10-2015 12:00 P.M.

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Valid from – to: 5-10-2015 – 18-10-2015 Next amendment: 12-10-2015

Region of concern: Balkans, Turkey, south Caucasus, eastern Mediterranean

„In the period from October 5th to 11th, 2015, monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +2°C, over the Balkans, Romania and central Turkey. Probability for exceeding upper tercile is around 80%. Precipitation surplus is forecasted over Turkey, south Caucasus, eastern Mediterranean and Middle East with up to 90% probability for exceeding upper tercile. Precipitation deficit is expected over central and southern part of Adriatic Sea, with low probability.“

Monitoring

In the period from September 27th to October 3rd, 2015 below normal air temperature[1] was observed over most part of the Balkans, with anomaly up to -3°C. Above normal air temperature was measured in Turkey and South Caucasus, with anomaly up to +7°C in Georgia. Weekly precipitation sums, reaching up to 100 mm, were registered in Romania and Bulgaria, while precipitation totals in northwestern Turkey were up to 200 mm. In the rest of the SEE region weekly precipitation sums less than 25 mm were registered.

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

Outlook

Within the first week (October 5th to 11th, 2015), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +2°C, over the Balkans, Romania and central Turkey. Probability for exceeding upper tercile is around 80%. Precipitation surplus is forecasted over Turkey, south Caucasus, eastern Mediterranean and Middle East with up to 90% probability for exceeding upper tercile. Precipitation deficit is expected over central and southern part of Adriatic Sea, with low probability.

During the second week (October 12th to 18th, 2015), below normal mean weekly air temperature, with anomaly reaching up to -2°C, is expected over the southern Balkans, Romania and Moldova, with low probability. Precipitation surplus is expected over most of SEE region, with low probability.

In the period from October 5th to November 1st, 2015, above normal mean monthly air temperature, with anomaly up to +1°C, is expected over the southwestern Balkans, most of Turkey and eastern Mediterranean. Probability for exceeding upper tercile is around 70%. Precipitation surplus is forecasted over eastern Serbia, Moldova, eastern Bulgaria, eastern Romania, most of Turkey, Cyprus and south Caucasus, with probability for exceeding upper tercile up to 80% over Cyprus, eastern Turkey and south Caucasus.

During the following three months (October, November and December) SEEVCCC seasonal forecast predicts above normal seasonal air temperature in northwestern part of the Balkans, and coastal areas of the northern Black Sea. Precipitation surplus is predicted in mountainous regions of central and northern Romania, south Caucasus, southern coasts of the Adriatic and the Black Sea, while precipitation deficit is expected over southwestern Turkey and most part of the Balkans.

Update

An updated statement will be issued on 12-10-2015

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

ANNEX

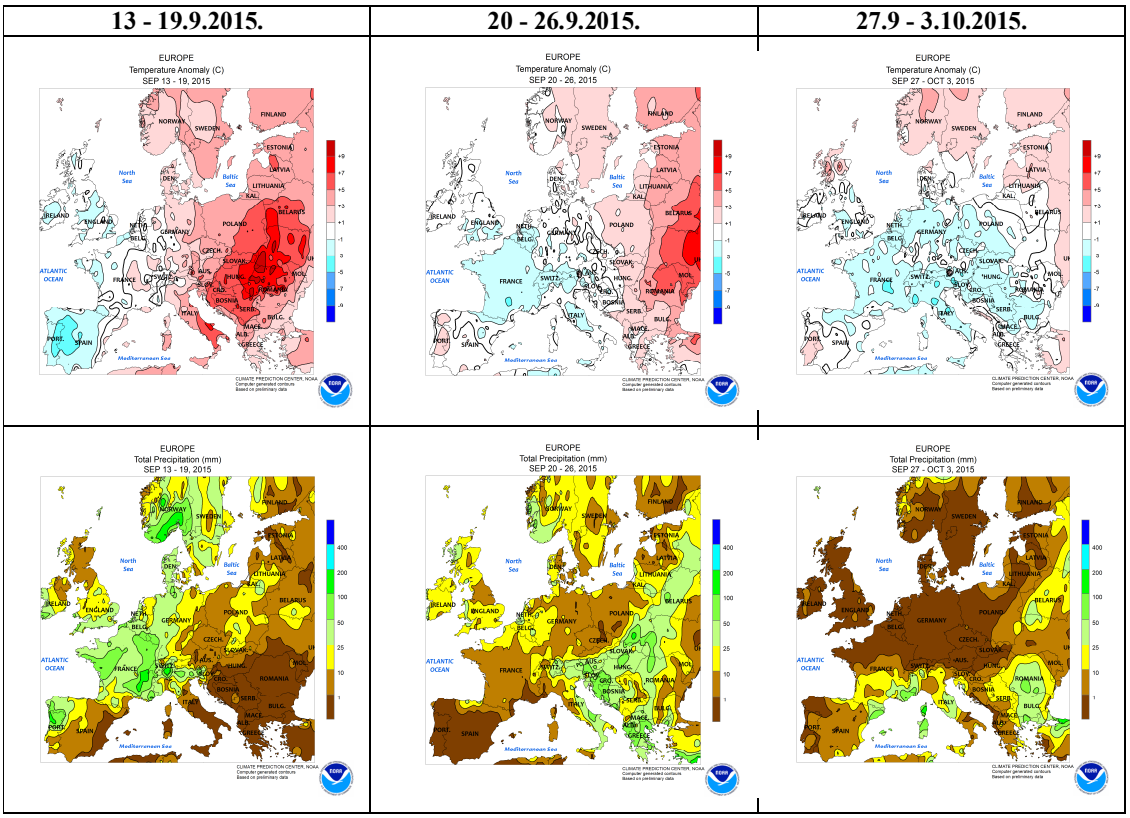

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

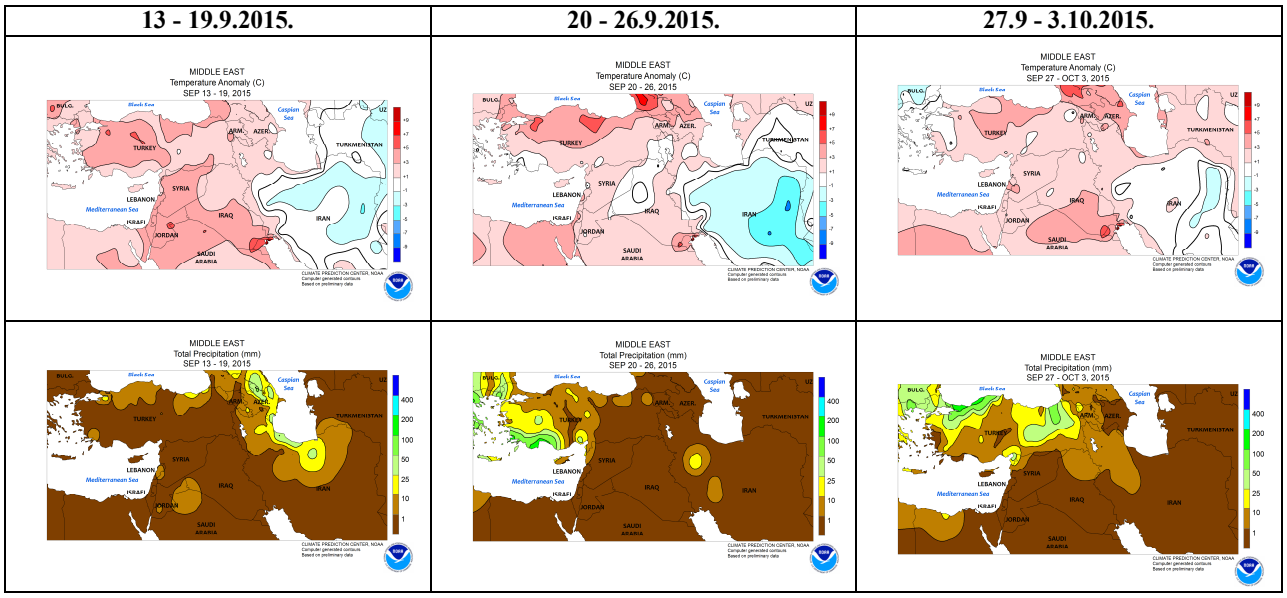

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

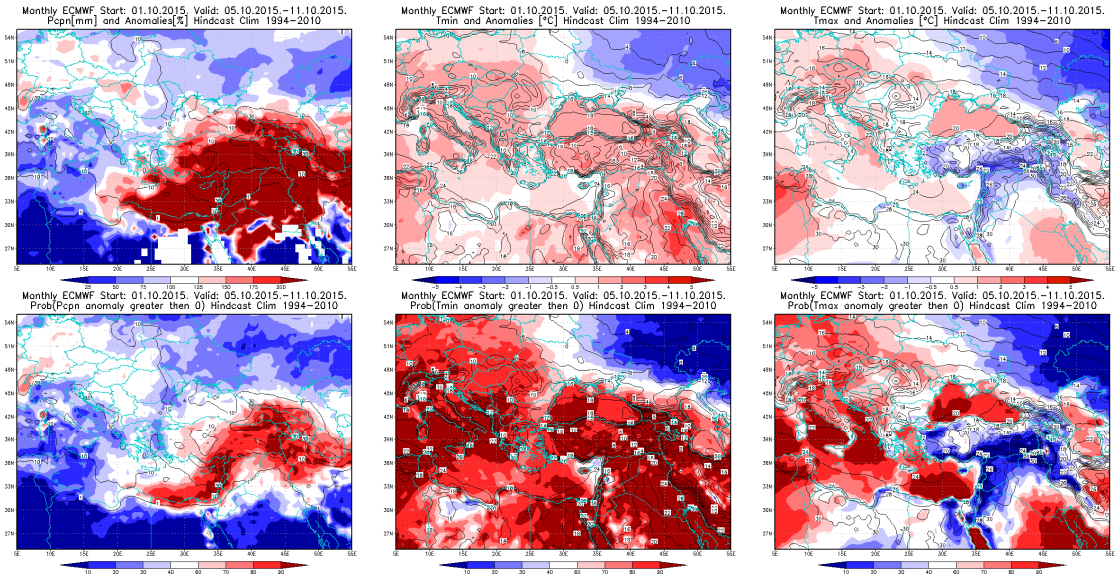

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 5 – 11.10.2015 period

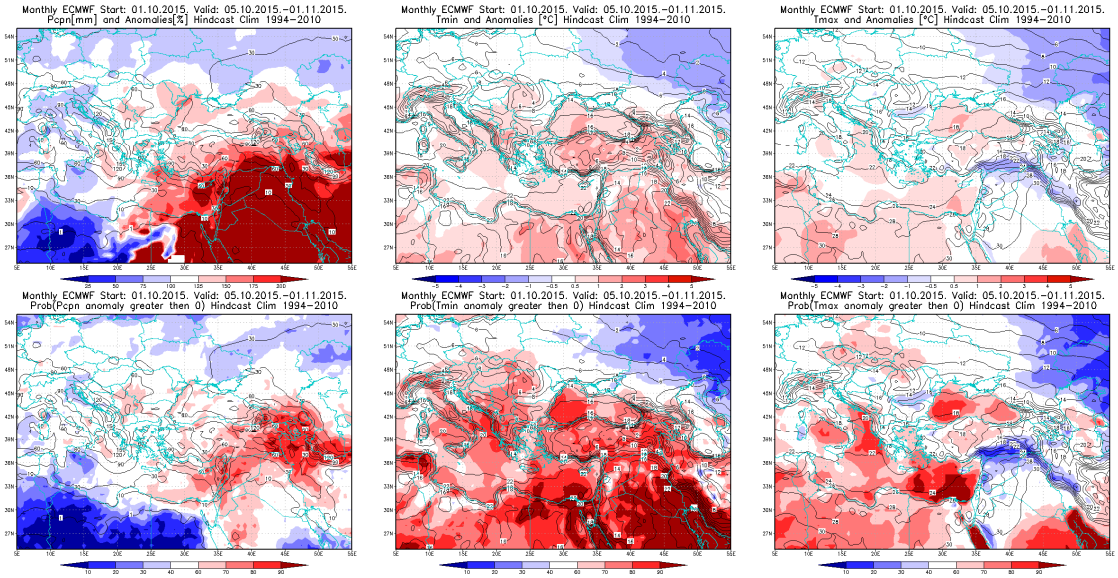

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 5.10 – 1.11.2015 period

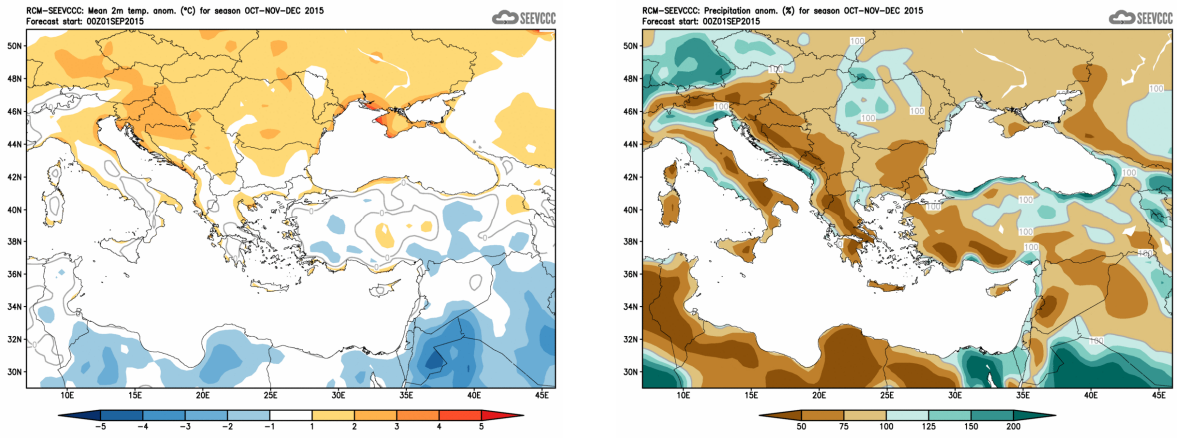

Figure 5. Mean seasonal temperature and precipitation anomaly for the season OND (seasonal outlook from RCM – SEEVCCC)

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/)