

Climate Watch (Serial No.: 20151012 – 00)

Initial/**Updated**/Final

Topic: precipitation
Organization issuing
the statement: SEEVCCC

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

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Valid from – to: 12-10-2015 – 25-10-2015 Next amendment: 19-10-2015

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

„In the period from October 12th to 18th, 2015, monthly forecast predicts below normal mean weekly air temperature, with anomaly ranging from -1°C up to -4°C, in Serbia, Romania, Bulgaria, Croatia and northern Bosnia and Herzegovina. Above normal temperature with anomaly up to +3°C is forecasted for Turkey. Probability for exceeding lower/upper tercile is around 90%. Precipitation surplus is forecasted over most part of the Balkans, northern Turkey and south Caucasus, with up to 80% probability for exceeding upper tercile.“

Monitoring

In the period from October 4th to 10th, 2015 above normal air temperature¹ was registered over western and southern Balkans and south Caucasus, with anomaly up to +3°C. Weekly precipitation sums, reaching up to 100 mm, were registered in Croatia, western Bosnia and Herzegovina and southern Serbia, while precipitation totals in northern and western Turkey reached up to 200 mm. In rest of the SEE region weekly precipitation sums were below 25 mm.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (October 12th to 18th, 2015), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly ranging from -1°C up to -4°C, in Serbia, Romania, Bulgaria, Croatia and northern Bosnia and Herzegovina. Above normal temperature with anomaly up to +3°C is forecasted for Turkey. Probability for exceeding lower/upper tercile is around 90%. Precipitation surplus is forecasted over most part of the Balkans, northern Turkey and south Caucasus, with up to 80% probability for exceeding upper tercile.

During the second week (October 19th to 25th, 2015), above normal mean weekly air temperature, with anomaly ranging from +1 up to +3°C, is expected over the southern Balkans, Turkey and south Caucasus, with low probability. Precipitation surplus is expected over most part of the Balkans and western Turkey, with low probability.

In the period from October 12th to November 8th, 2015, below normal mean monthly air temperature, with anomaly up to -2°C, is expected in Romania, northern Serbia and Croatia. Probability for exceeding lower tercile is around 70%. Precipitation surplus is forecasted along Adriatic coast, in southern and eastern Turkey and south Caucasus, with around 60% probability for exceeding upper tercile.

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 19-10-2015

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

ANNEX

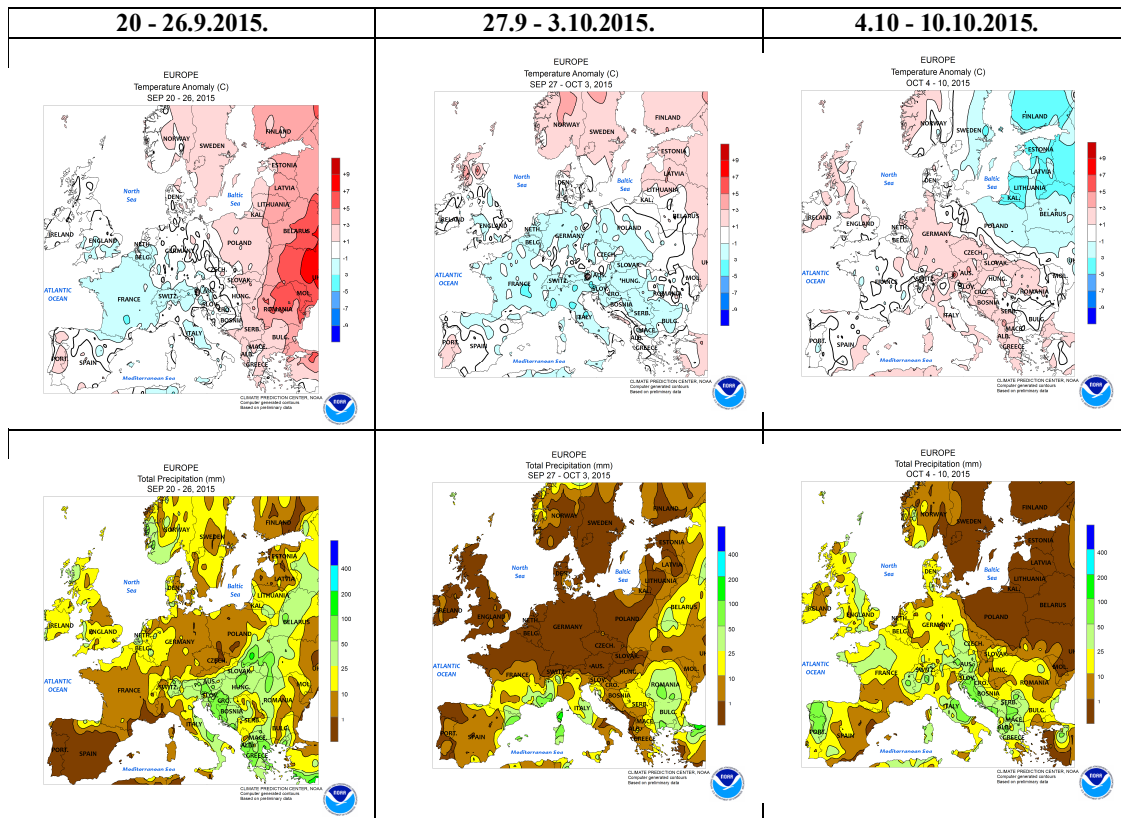


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

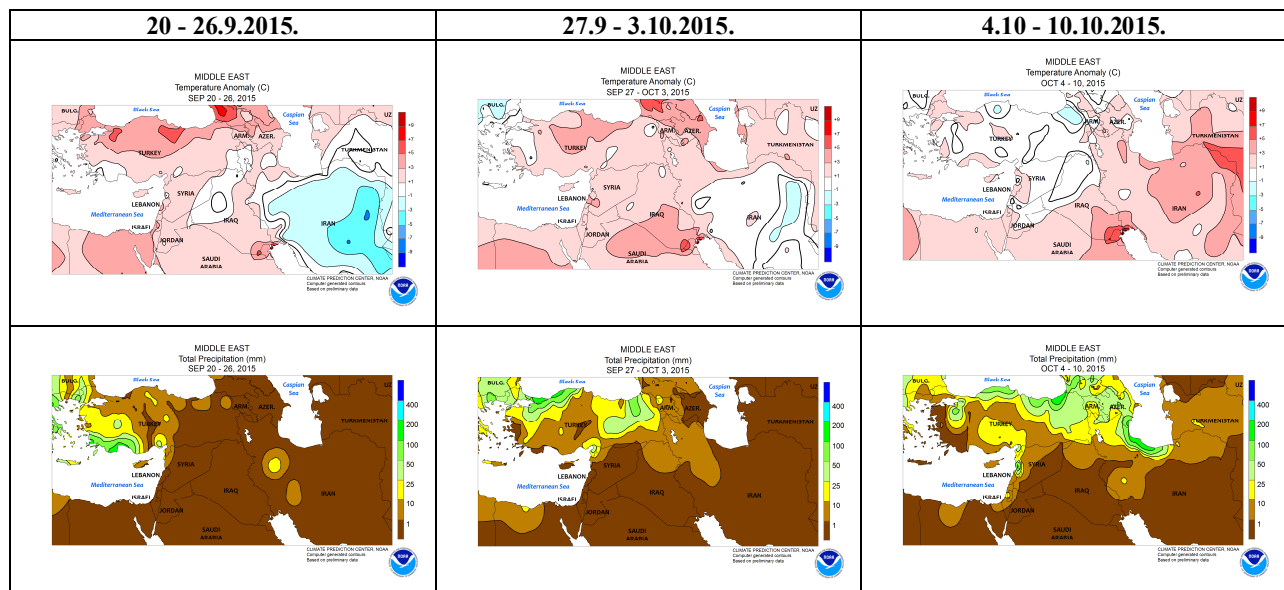


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

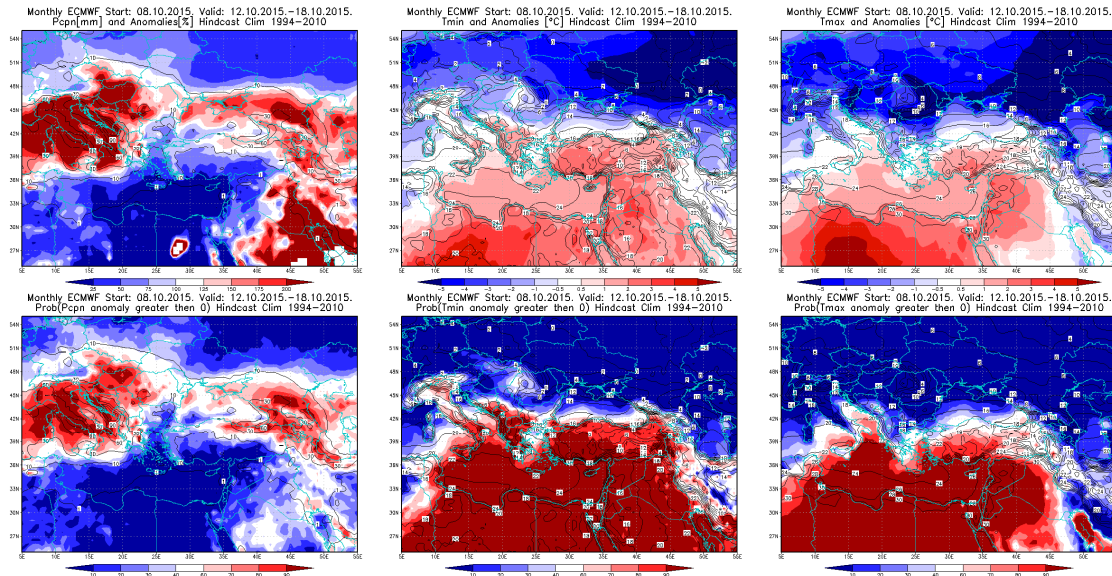


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 12 – 18.10.2015 period

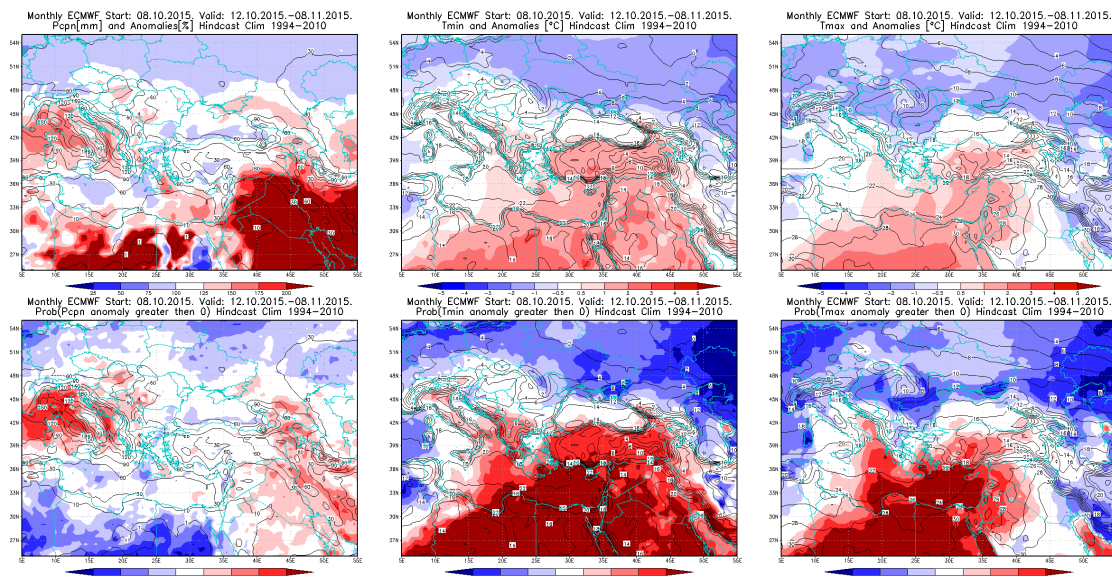


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 12.10 – 8.11.2015 period

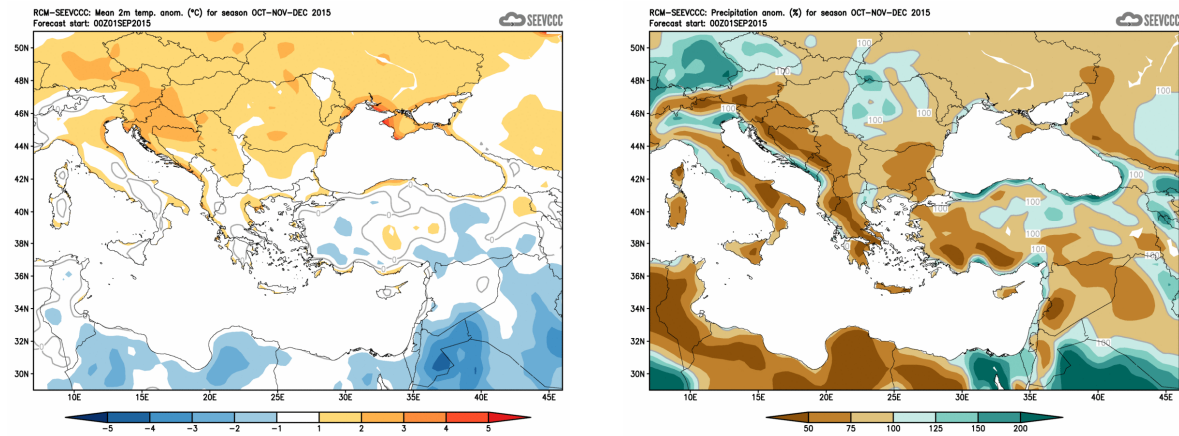


Figure 5. Mean seasonal temperature and precipitation anomaly for the season OND (seasonal outlook from RCM – SEEVCCC)

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/>)