

## Climate Watch (Serial No.: 20150907 – 00)

Initial/**Updated**/Final

Topic: precipitation  
Organization issuing  
the statement: SEEVCCC

Issued/ Amended / 7-9-2015 12:00 P.M.  
Cancelled

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Valid from – to: 7-9-2015 – 20-9-2015 Next amendment: 14-9-2015

Region of concern: Balkans, Turkey, south Caucasus

**„In the period from September 7<sup>th</sup> to 13<sup>th</sup>, 2015, monthly forecast predicts below normal mean weekly air temperature, with anomaly ranging from -1°C to -4°C over the Balkans. Above normal mean weekly air temperature, with anomaly ranging from +1°C to +5°C is expected in Turkey and south Caucasus. Probability for exceeding lower/upper tercile is around 90%. Precipitation surplus is forecasted in southern Balkans and part of northern Turkey, with up to 80% probability for exceeding upper tercile.“**

### Monitoring

In the period from August 30<sup>th</sup> to September 5<sup>th</sup> 2015 above normal air temperature<sup>1</sup> was observed over the Balkans and western Turkey, with anomaly ranging from +1°C to +5°C. Weekly precipitation sums reaching up to 10 mm were registered over most of the SEE region, except in Croatia where totals reaching up to 100 mm were measured.

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<sup>1</sup> Reference climatological period is the 1981-2010 period

## **Outlook**

Within the first week (September 7<sup>th</sup> to 13<sup>th</sup>, 2015), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly ranging from -1°C to -4°C over the Balkans. Above normal mean weekly air temperature, with anomaly ranging from +1°C to +5°C is expected in Turkey and south Caucasus. Probability for exceeding lower/upper tercile is around 90%. Precipitation surplus is forecasted in southern Balkans and part of northern Turkey, with up to 80% probability for exceeding upper tercile.

During the second week (September 14<sup>th</sup> to 20<sup>th</sup>, 2015), above normal mean weekly air temperature, with anomaly ranging from +1°C to +4°C, is expected over most of Turkey and south Caucasus. Probability for exceeding upper tercile is around 80%. Average temperature is expected over most part of the Balkans. Precipitation surplus is expected along Adriatic, Greece, eastern Balkans, western and southern Turkey with less probability.

In the period from September 7<sup>th</sup> to October 4<sup>th</sup>, 2015, above normal mean weekly air temperature, with anomaly up to +3°C, is expected over most of Turkey and south Caucasus. Probability for exceeding upper tercile is around 80%. Average temperature is expected over most part of the Balkans. Precipitation surplus is forecasted in southern Balkans, southern Turkey and south Caucasus, with up to 60% probability for exceeding upper tercile.

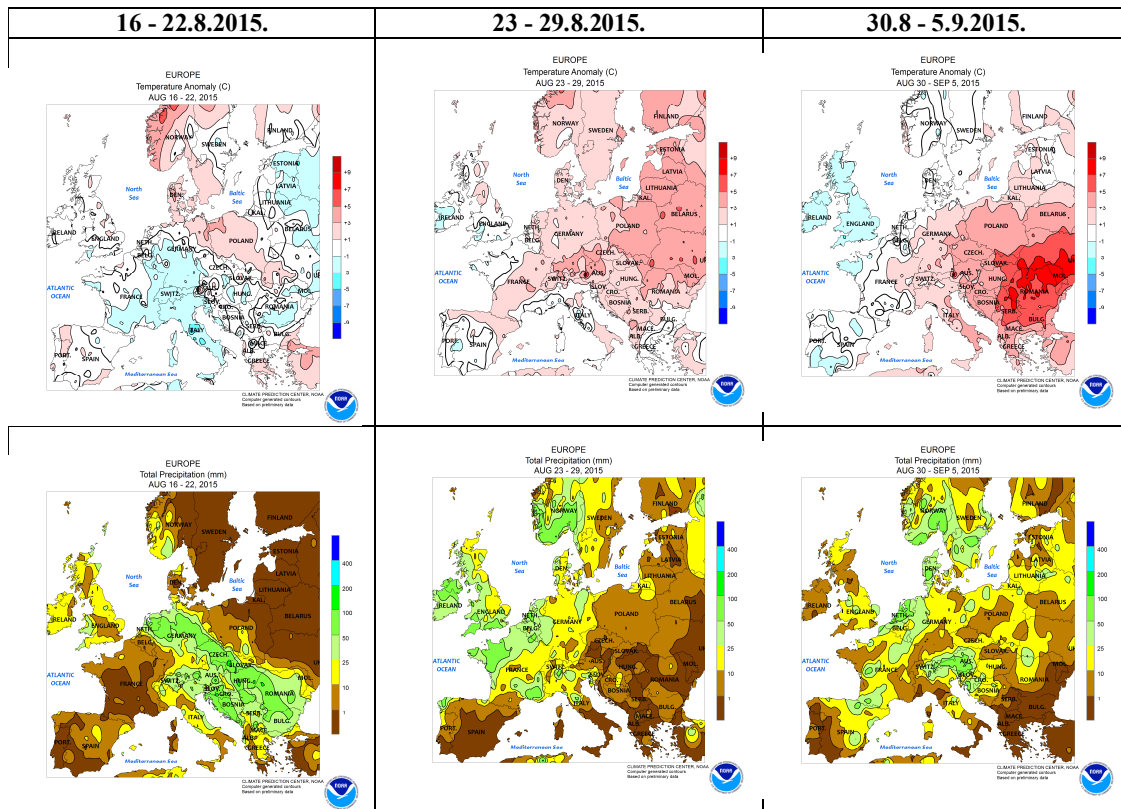
During the following three months (September, October and November) SEEVCCC seasonal forecast predicts above normal seasonal air temperature in northern and central part of the Balkans, most of Romania and Ukraine. Below normal seasonal air temperature is expected in most part of Turkey and Armenia. Precipitation surplus is predicted in mountainous regions of central and northern Romania, northern Greece, Adriatic Coast, most of Turkey and south Caucasus, while precipitation deficit is expected over most part of the Balkans.

## **Update**

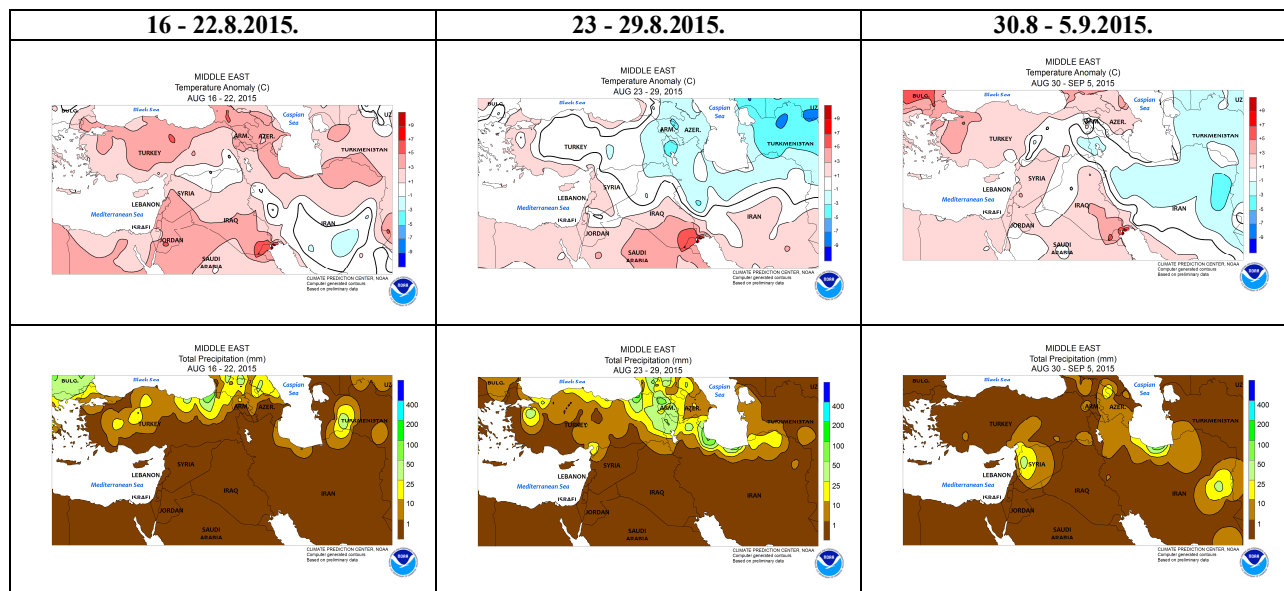
An updated statement will be issued on 14-9-2015

For further information please contact [cws-seevccc@hidmet.gov.rs](mailto:cws-seevccc@hidmet.gov.rs)

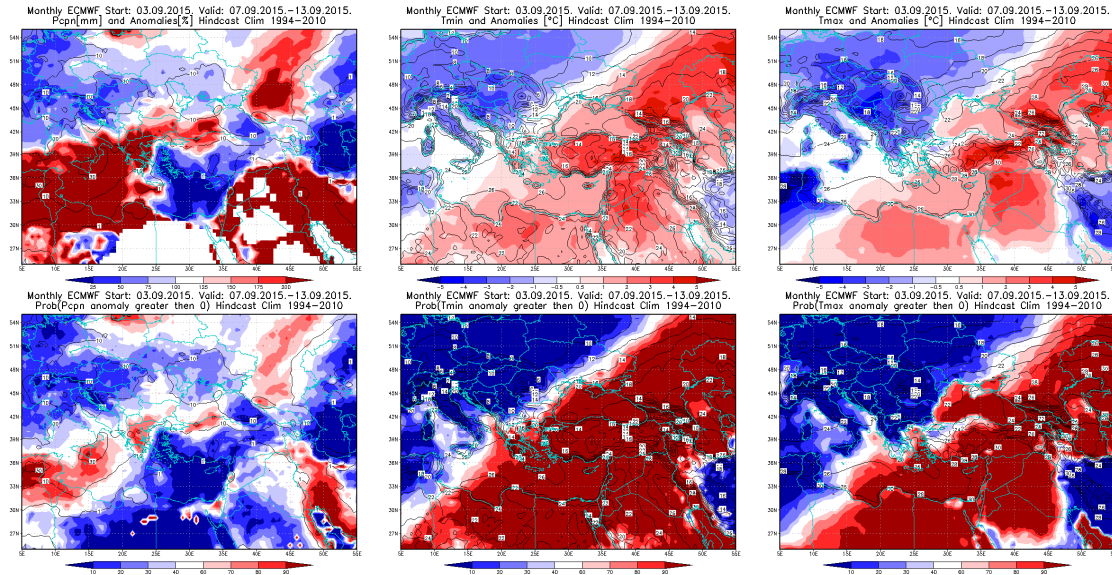
## ANNEX



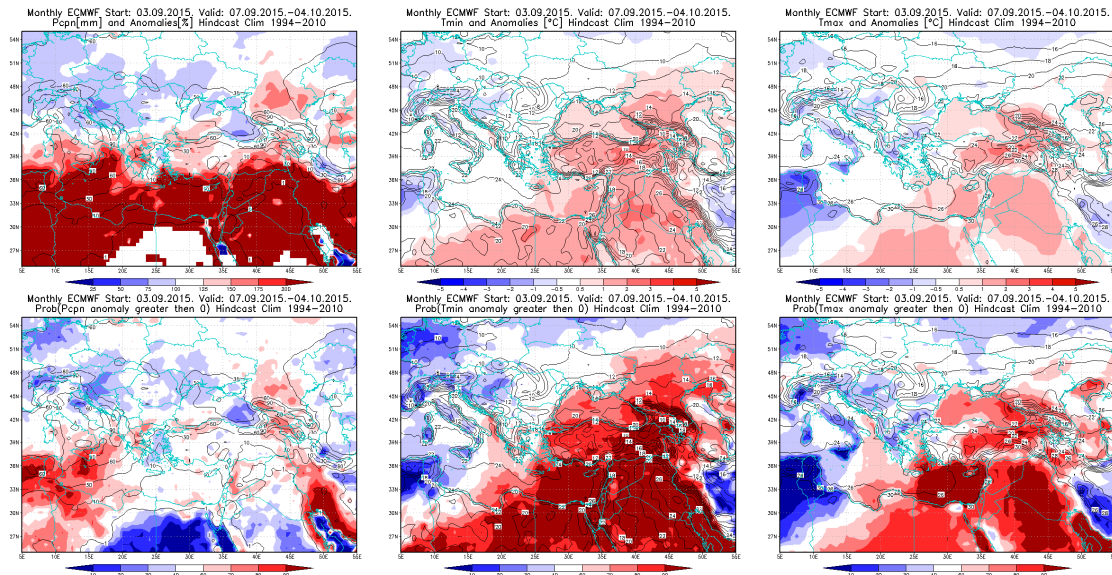
**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



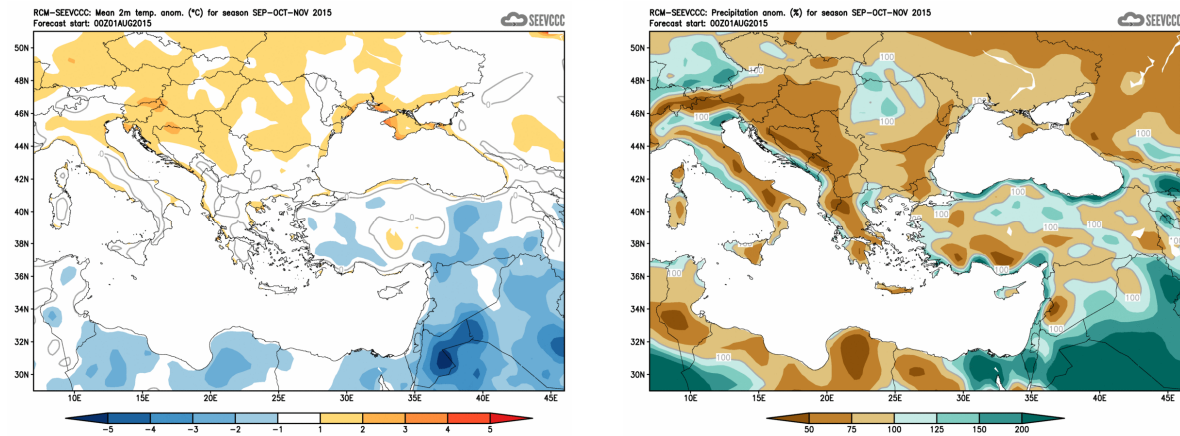
**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



**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 7.9 – 13.9.2015 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 7.9 – 4.10.2015 period



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

### Sources

- Republic Hydrometeorological Service of Serbia ([www.hidmet.gov.rs](http://www.hidmet.gov.rs))
- South East European Virtual Climate Change Center ([www.seevccc.rs](http://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/>)