Climate Watch (Serial No.: 20140929 – 00)

Initial/Updated/Final

		Warning:	0	No particular awareness
Topic:				
Organization issuing the statement:	SEEVCCC		1	Potentially dangerous
			2	Dangerous
Issued/ Amended / Cancelled	29-9-2014 12:00 P.M.		3	Very dangerous

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Valid from – to: 29-9 – 12-10-2014   Next amendment: 6-10-2014

Region of concern: South-Eastern Europe

„During the next week, below normal mean weekly air temperature, with anomaly from -1°C to -3°C, is expected over most part of the region. Probability for exceeding lower tercile is up to 80%."

Monitoring

In the period from September 21th to 27th, 2014 below normal air temperature[1], with anomaly from -1°C up to -3°C was registered in most part of SEE region. Weekly precipitation sums, ranging from up to 100 mm were registered in Serbia, Croatia, Bulgaria, Romania and part of southern Turkey.

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

Outlook

Within the first week (September 29th to October 5th, 2014), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly from -1°C to -3°C, over most part of the region. Probability for exceeding lower tercile is up to 80%. Precipitation deficit is expected in most part of Serbia, Romania, Bulgaria, Montenegro, Albania and central Turkey. Probability for exceeding lower tercile is up to 70%. Precipitation suficit is expected in eastern and southeastern Turkey. Probability for exceeding upper tercile is up to 80%.

During the second week (October 6th to 12th, 2014), below normal mean weekly air temperature, with anomaly up to -2°C, is forecast for most part of the region. Probability for exceeding lower trecile is up to 60%. Average precipitation is expected over most part of the region.

In the period from September 29th to October 26th 2014, average weekly air temperature is forecast for most part of the Balkans. Below normal mean weekly air temperature, with anomaly around -1°C, is forecast for most part of Turkey. Probability for exceeding lower trecile is up to 60%. Average precipitation is expected in the entire SEE region.

During the following three months (October, November and December) SEEVCCC seasonal forecast predicts above average air temperature over northern Balkans. Precipitation deficit is expected in most part of the region. Precipitation surplus is expected over the Carpathians, south Caucasus and northernmost Turkey.

Update

An updated statement will be issued on 6-10-2014.

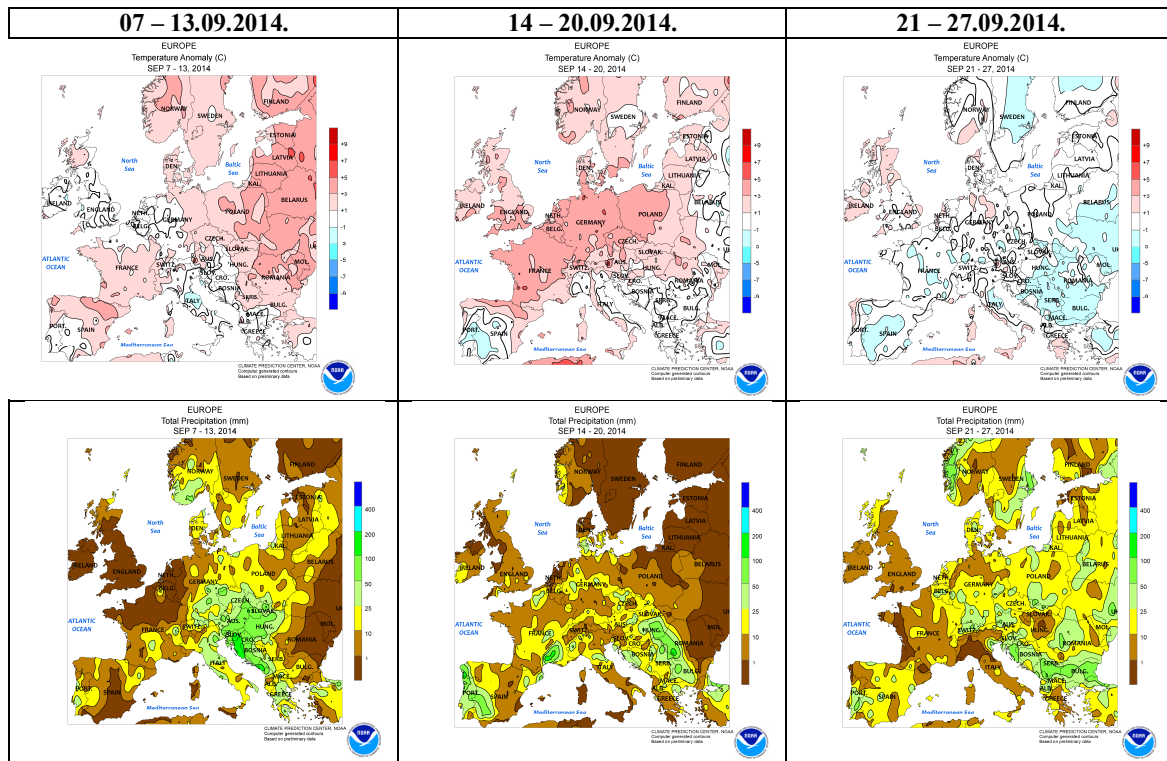For further information please contact cws-seevccc@hidmet.gov.rs

ANNEX

07 – 13.09.2014.	14 – 20.09.2014.	21 – 27.09.2014.

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

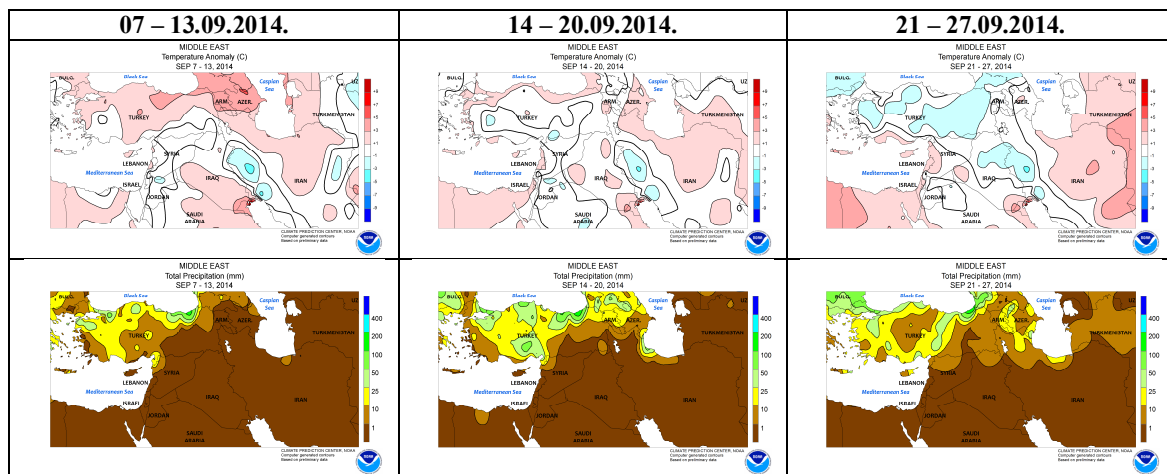| 07 – 13.09.2014.	14 – 20.09.2014.	21 – 27.09.2014.

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)
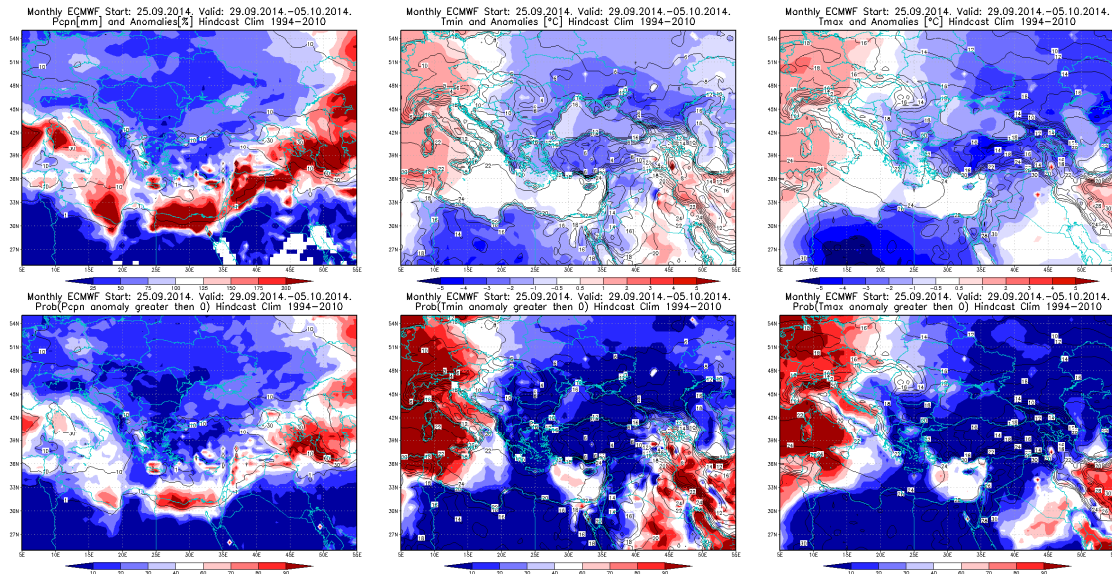
Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 29.9 – 5.10.2014. period
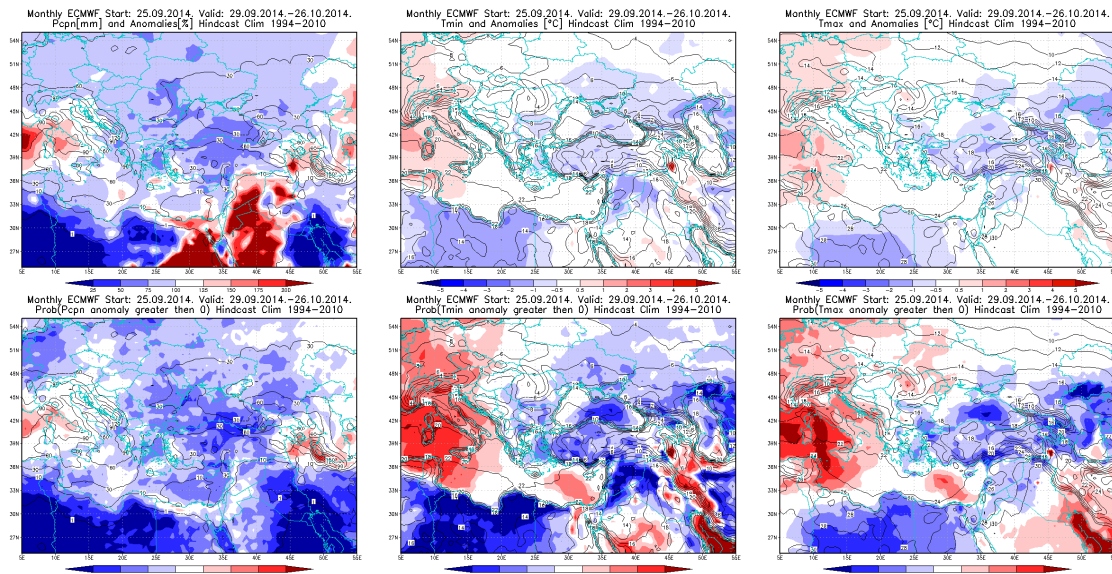

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 29.9 – 26.10.2014. period
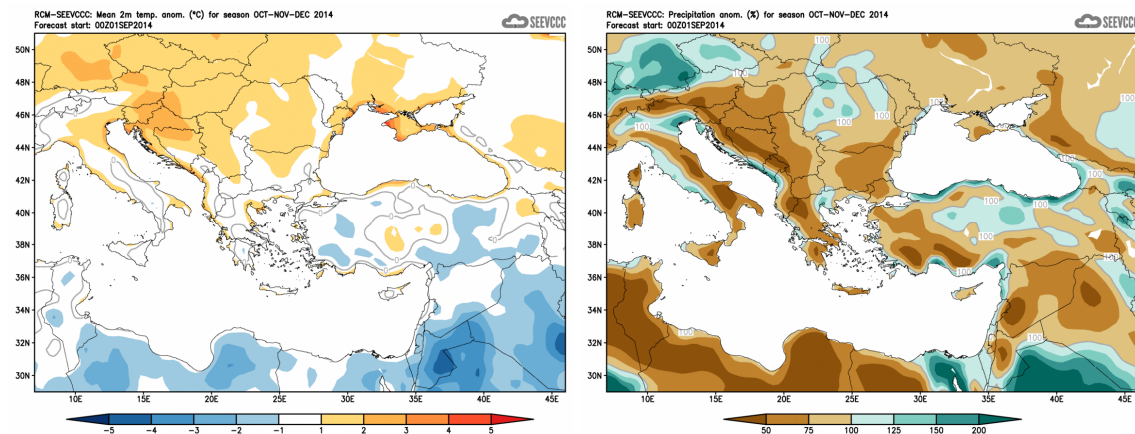
Figure 5. Mean seasonal temperature and precipitation anomaly for the season OND (seasonal outlook from RCM – SEEVCCC)

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/)