Climate Watch (Serial No.: 20140317 – 00)

Initial/Updated/Final

Topic:		Warning: 0	No particular awareness
Organization issuing the statement:	SEEVCCC	1	Potentially dangerous
		2	Dangerous
Issued/ Amended / Cancelled	24-3-2014 12:00 P.M.	3	Very dangerous
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Valid from – to:	24-3 – 6-4-2014	Next amendment: 31-3-2014	

Region of concern: South-Eastern Europe

„During next month, above normal mean monthly temperature is forecast for most part of Balkans and Turkey, with anomaly around +1°C. The probability for this event is around 80%."

Monitoring

In the period from March 16th to 22nd, 2014 above normal temperature 1981-2010[1], with observed anomaly from +3°C to +7°C was registered in most part of SEE region, and up to +9°C in Moldova, Romania and Bulgaria. Weekly precipitation sums were generally less than 25 mm, except in southeastern Turkey where they reached 50 mm.

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

Outlook

Within the first week (March 24th to 30rd, 2014), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly from +2°C up to +5°C in Romania, Moldova, east Bulgaria, Aegean Sea, Turkey and South Caucasus. The probability for exceeding upper tercile is up to 90%. Precipitation surplus is expected in most part of Serbia, southwestern Romania, most part of Bulgaria, FYR of Macedonia, Albania, south Adriatic and westernmost Turkey. Probability for exceeding upper tercile is around 80%.

During the second week (March 31st to April 6th, 2014), above normal mean weekly temperature, with anomaly from around +1°C is forecast for most part of Balkans. The probability for exceeding upper tercile is around 60%. Weekly precipitation within average is expected in most part of SEE region.

In the period from March 24th to April 20th 2014, above normal mean monthly temperature is forecast for most part of Balkans and Turkey, with anomaly around +1°C. The probability for this event is around 80%. Average precipitation is expected for most part of SEE region.

During the following three months (April, May and June) SEEVCCC seasonal forecast predicts above normal temperature in most of Balkans and central, northernmost, parts of southern and eastern Turkey. Precipitation deficit is expected in most part of Croatia, part of western Bosnia and Herzegovina, in northern Serbia, in central part of Montenegro, southern Albania, costal part of Greece, eastern Romania, eastern Bulgaria and western and part of southern Turkey. Precipitation surplus is expected in parts of northwestern and central Romania, central Bulgaria, northernmost Greece, in northeastern Turkey and south Caucasus.

Update

An updated statement will be issued on 31-03-2014.

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

ANNEX

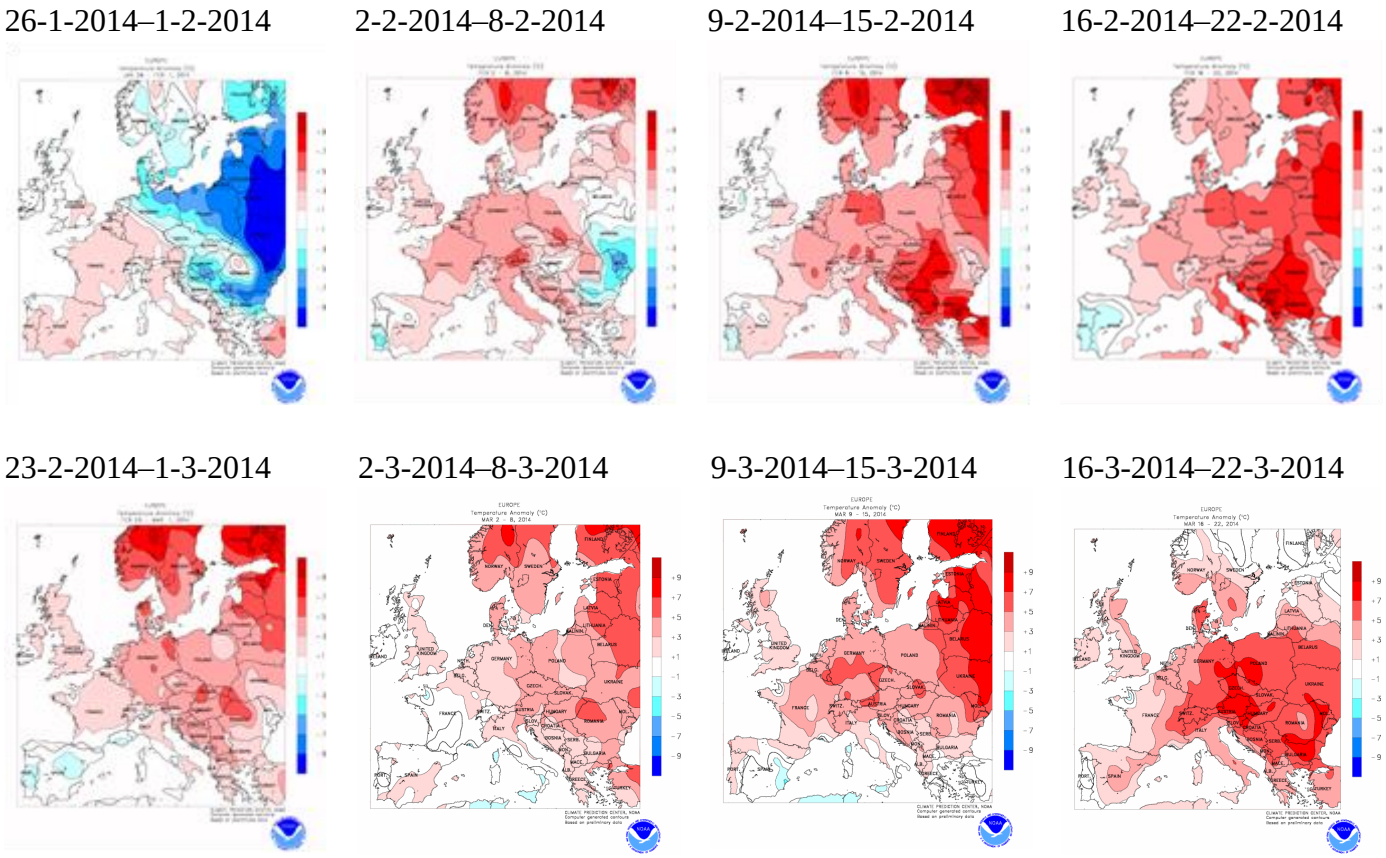

Figure 1. Temperature anomaly for recent weeks (source: Climate Prediction Center, USA)

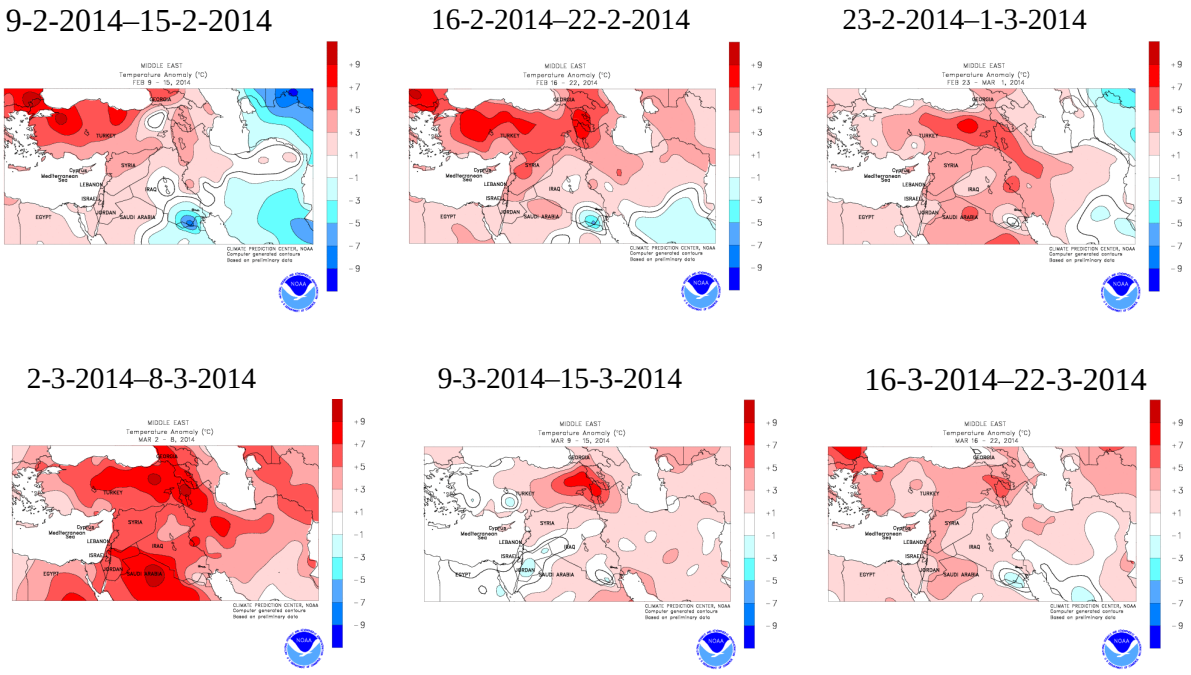

Figure2. Temperature anomaly for recent weeks for Middle East (source: Climate Prediction Center, USA)

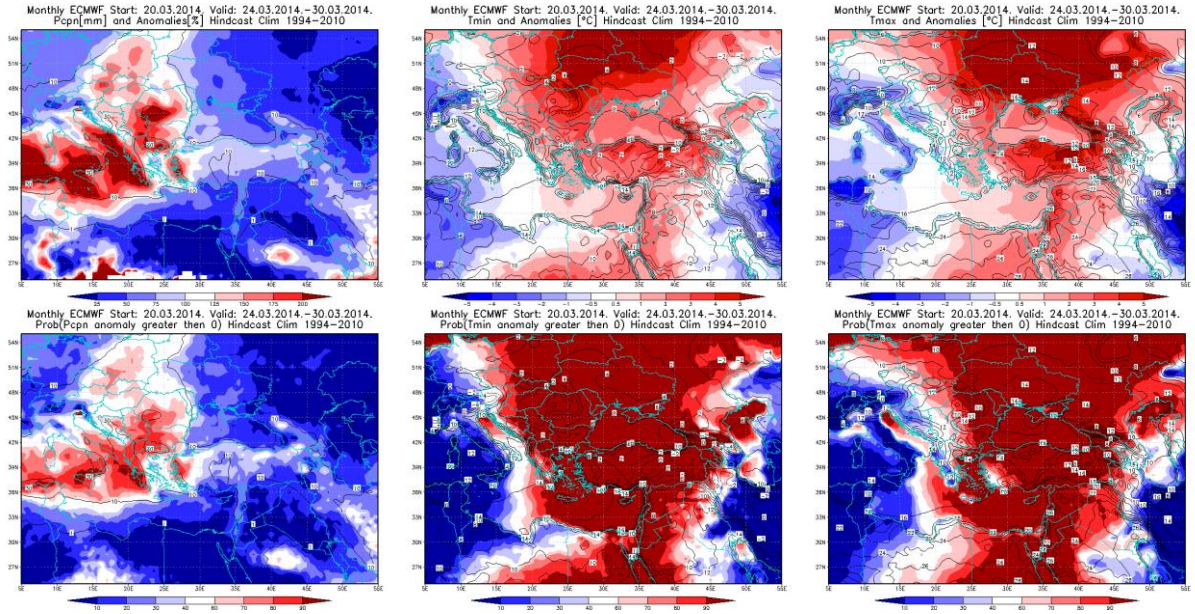

Figure3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 24.3 – 30.3.2014. period

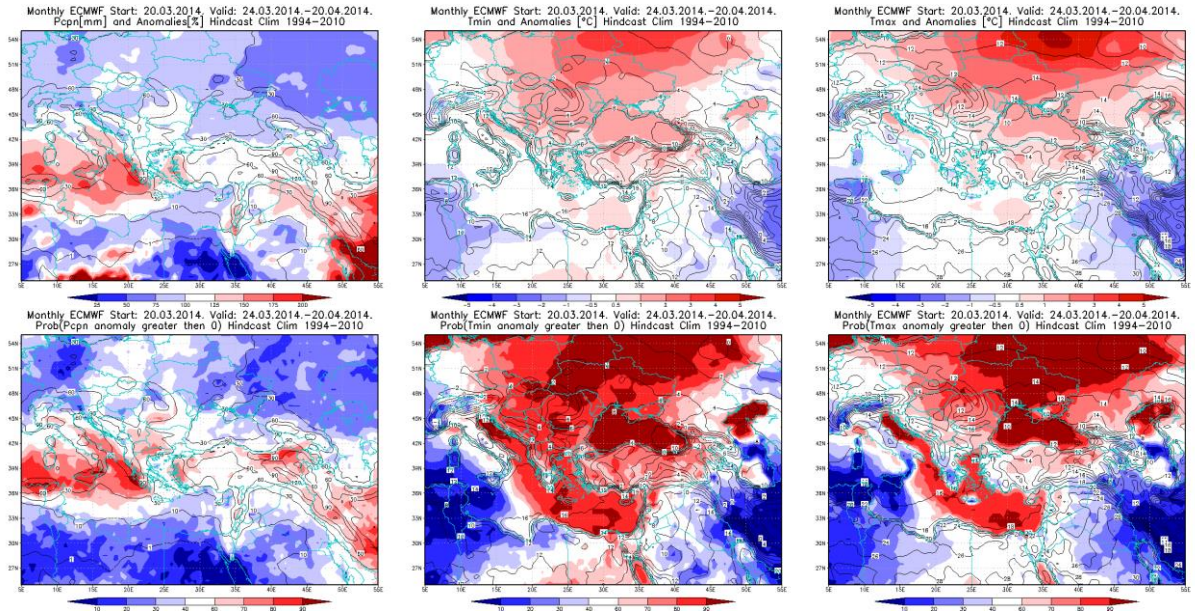

Figure4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 24.3 – 20.4.2014. period

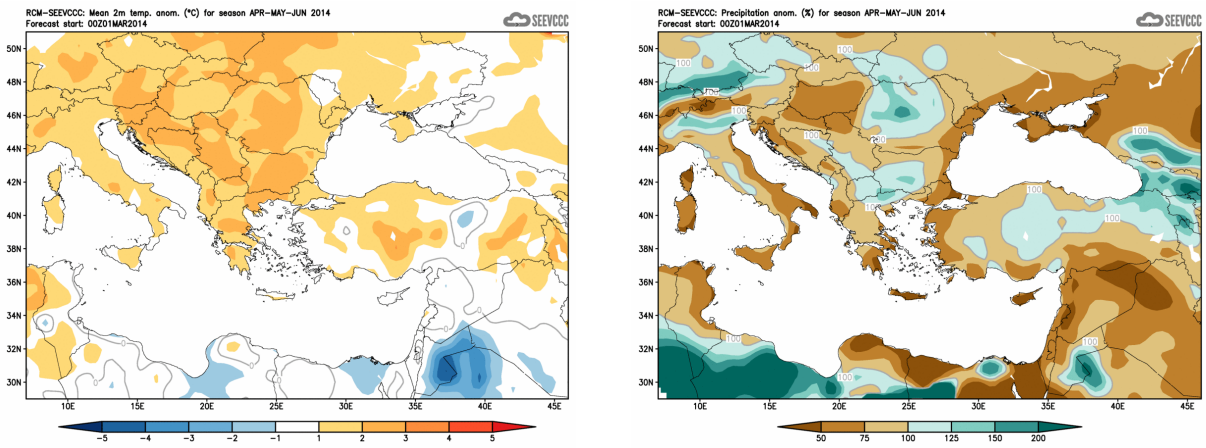

Figure5. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook for RCM – SEEVCCC)

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/)