Climate Watch (Serial No.: 20130218 – 00)

Initial/Updated/Final

Topic:		Warning:	0 No particular awareness
Organization issuing the statement:	SEEVCCC		1 Potentially dangerous
			2 Dangerous
Issued/ Amended / Cancelled	18-02-2013 12:00 P.M.		3 Very dangerous
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Valid from – to:	18-01-2013 – 03-03-2013	Next amendment: 25-02-2013	

Region of concern: South-eastern Europe

„ Temperature below normal, with anomaly from -1 ^{o}C up to -5 ^{o}C, is expected in Croatia, Bosnia and Herzegovina, Moldova and east Romania, while in south Caucasus and most part of Turkey temperature above normal, with anomaly from +2 ^{o}C up to +4 ^{o}C, is expected. The probability for these events is up to 80%. In most of Balkans, southeast Turkey and south Caucasus surplus of precipitation is expected, while in east Romania and Moldova precipitation deficit is expected. The probability is up to 70% ".

Monitoring

In the period from February 10th to 16th in Croatia, Bosnia and Herzegovina, part of western Serbia and along the Adriatic and Ionian coast mean temperature was near and slightly below normal 1981-2010[1], up to -3 ^{o}C. In rest of region mean temperature was above normal, from +1 ^{o}C up to +7 ^{o}C. Significant precipitation was recorded only along the costal region of SEE, with amount up to 200mm. In rest of the region precipitation was up to 25mm.

Outlook

Within the first week (February 18th to 24th, 2013), ECMWF mounthly forecast predicts in Croatia, Bosnia and Herzegovina, Moldova and east Romania temperature below normal, with anomaly from -1 ^{o}C up to -5 ^{o}C, while in south Caucasus and most part of Turkey temperature above normal, with anomaly from +2 ^{o}C up to +4 ^{o}C, is expected. The probability for these events is up to 80%. In most of Balkans, southeast Turkey and south Caucasus surplus of precipitation is

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

expected, while in east Romania and Moldova precipitation deficit is expected. The probability is up to 70%.
During the second week (February 25th to March 03rd, 2013) over Balkans temperature below normal, around -2 °C is expected, while in most part of Turkey and south Caucasus temperature above normal, with anomaly around +2 °C, is expected. In south Caucasus and easternmost of Turkey precipitation surplus is expected, with probability around 70%. With less confidence in rest of SEE region average amount of precipitation is expected.

In the period from February 18th to March 17th, in most of Balkans temperature below normal, with anomaly around -2 °C is expected, while in Turkey and south Caucasus temperature above normal, around +2 °C, is expected. The probability is up to 80%. Slightly wet weather condition is expected in most part of Serbia, FYR of Macedonia, in most of Greece and in some part of south Caucasus with probability around 80%.

During the following three months (March, April, May) SEEVCCC seasonal forecast predicts temperature above normal, with anomaly up to +2 °C, in most of Balkans, southeastern and part of central Turkey and in South Caucasus. Precipitation surplus is expected in south Caucasus, northeast Turkey and northwest Romania. In rest of SEE region normal to dry weather is expected.

Update

An updated statement will be issued on 25-02-2013.

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

ANNEX

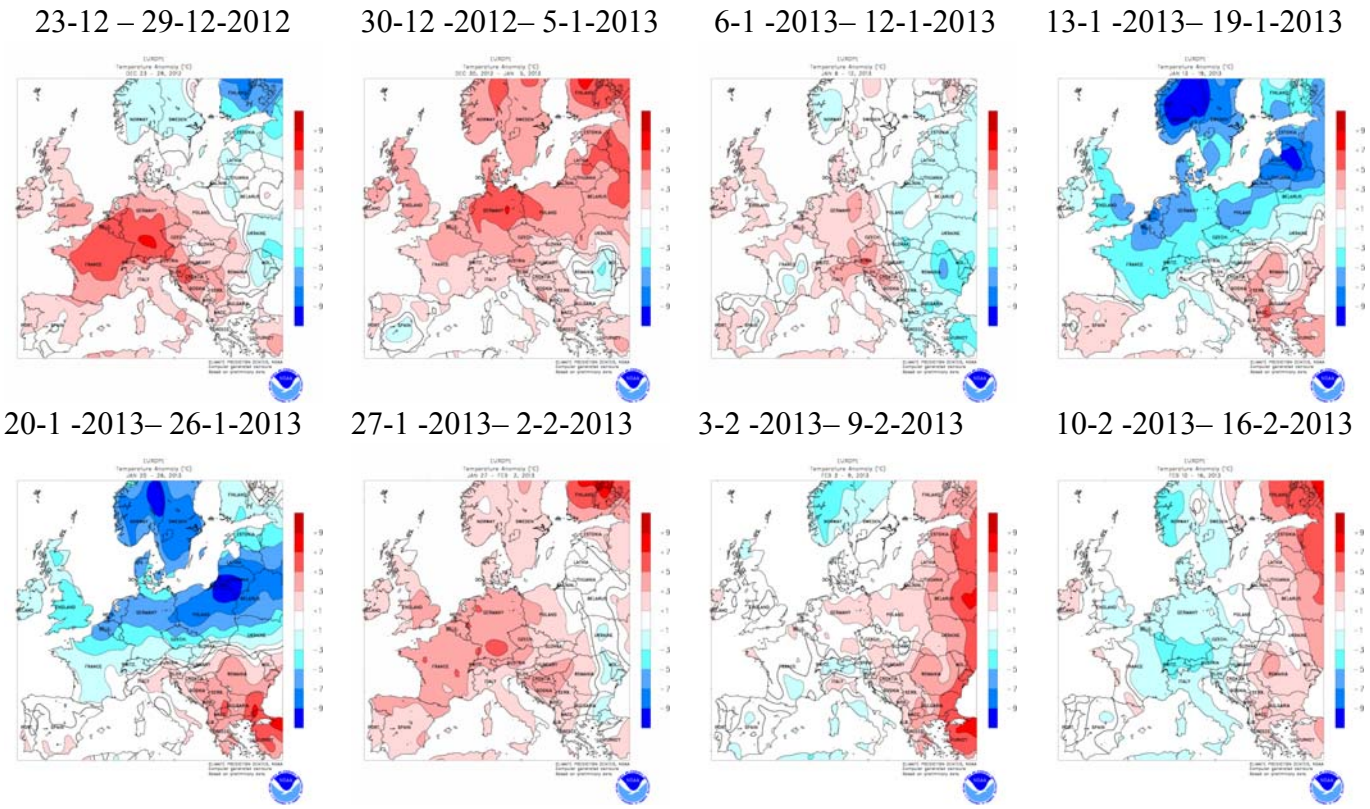

Figure 1. Temperature anomaly for recent weeks (source: Climate Predication Center, USA)

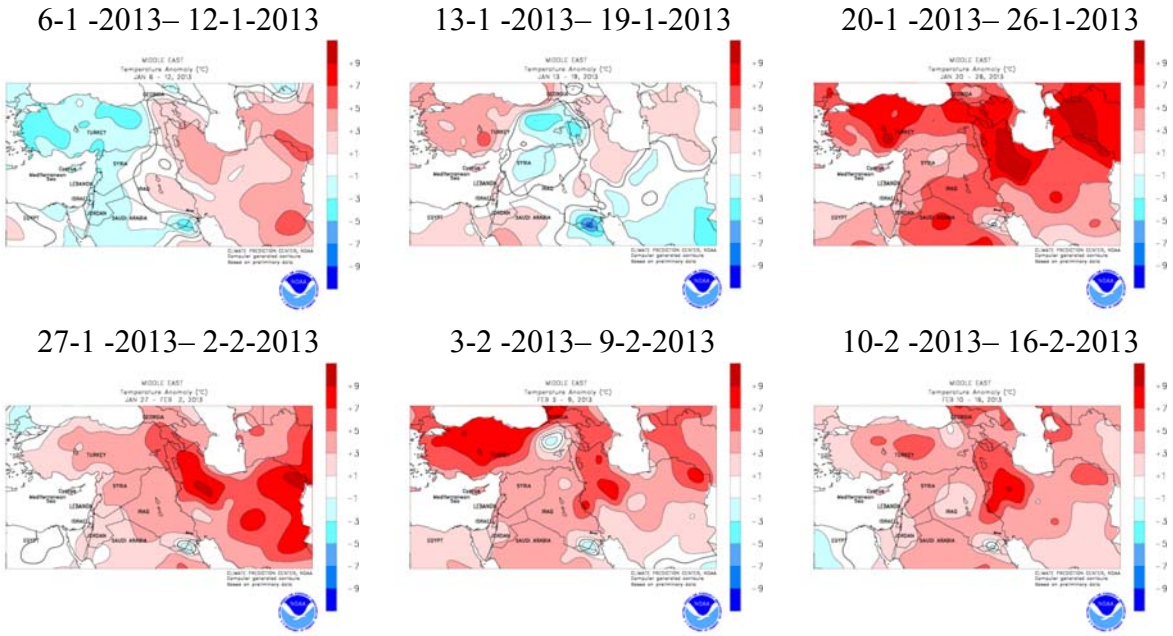

Figure 2. Temperature anomaly for recent weeks for Middle East (source: Climate Predication Center, USA)

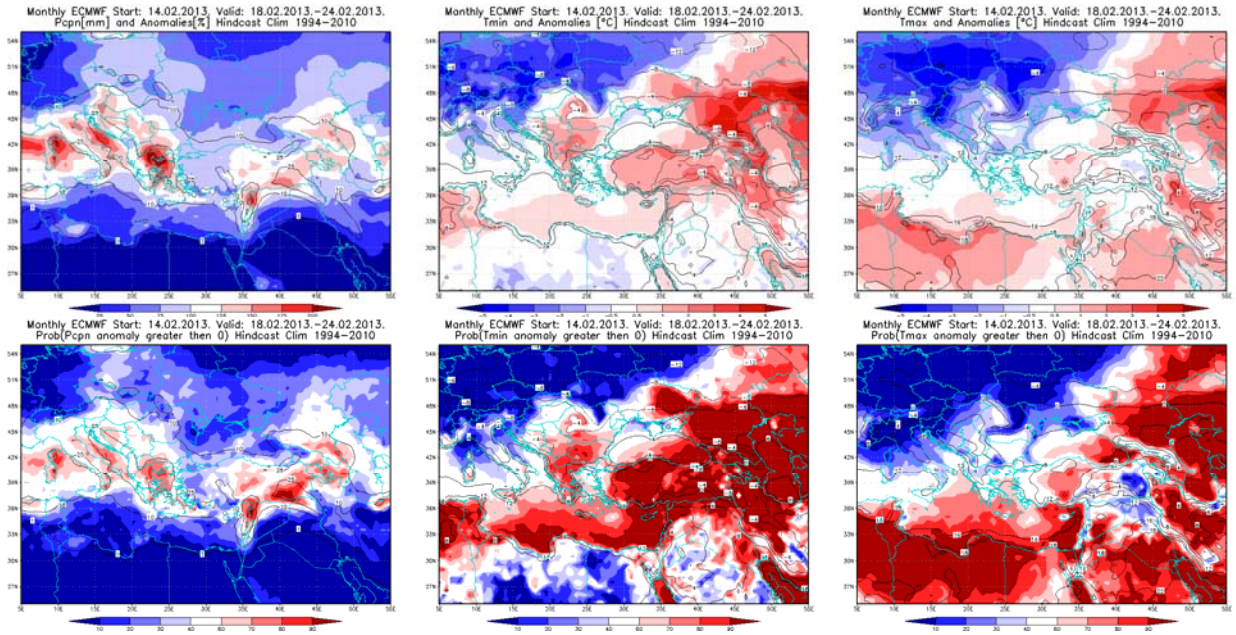

Figure 3. Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 18 –24.02.2013 period

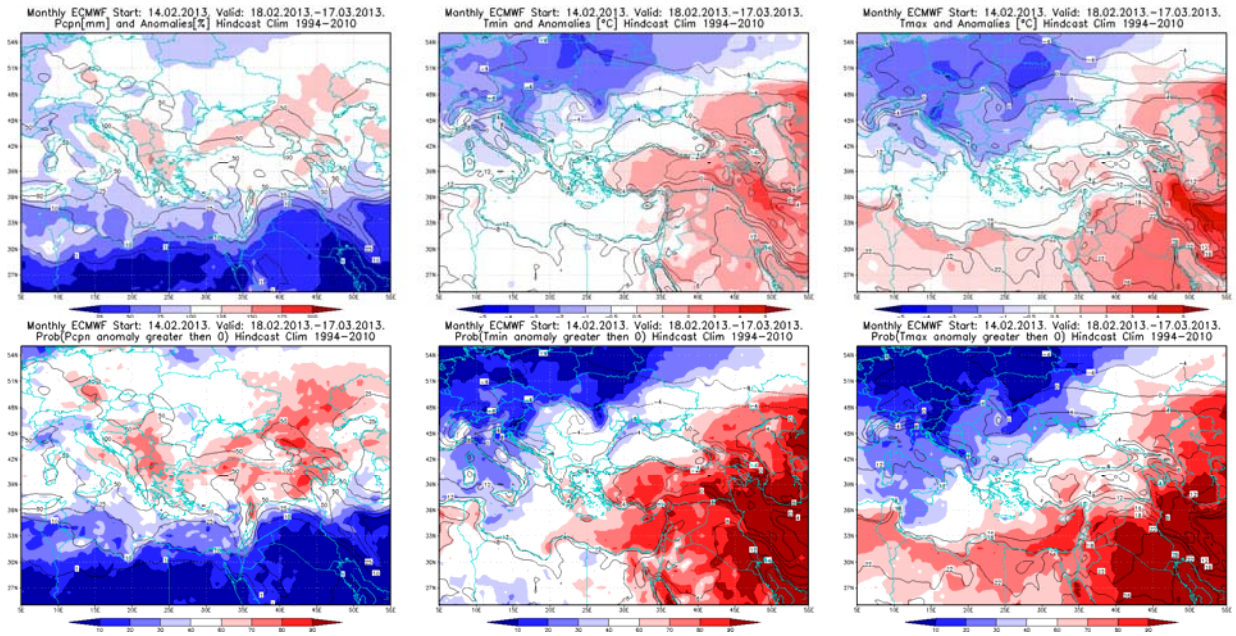

Figure 4. Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 18.02– 17.03.2013 period

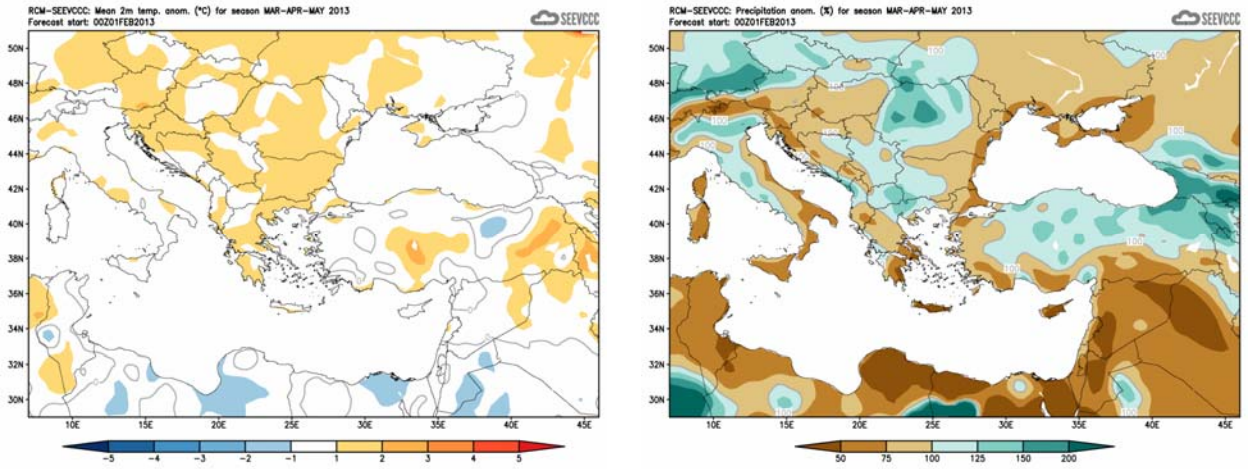

Figure 5. Mean seasonal temperature and precipitation anomaly for the season MAM (seasonal outlook of RCM – SEEVCCC)

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/)