Climate Watch (Serial No.: 20130108 – 00)

Initial/Updated/Final

Topic:		Warning:	0 No particular awareness
Organization issuing the statement:	SEEVCCC		1 Potentially dangerous
			2 Dangerous
Issued/ Amended / Cancelled	08-01-2013 12:00 P.M.		3 Very dangerous
Contact:	E-mail: dragan.mihic@hidmet.gov.rs Phone: +38112066925 Fax: +38112066929		
Valid from – to:	08-01-2013 – 20-01-2013	Next amendment:	14-01-2013

Region of concern: South-eastern Europe

Due to the recent weather situation and the results for monthly forecast we expect

„ Period with temperature above normal in Croatia, north Bosnia and Herzegovina, central and part of east Serbia (anomaly around +2 ^{o}C) and in rest of SEE region temperature below normal (anomaly around -2 ^{o}C). The probability for these events is around 80%. In most of Balkans and west Turkey normal to dry weather conditions are expected, while in central Serbia, northwest Romania, central, north, east and south east Turkey and South Caucasus precipitation surplus is expected. The probability for these events is around to 80%".

Monitoring

In the period from December 30th to January 5th in most part of SEE region mean temperature anomaly was above normal 1981-2010[1] from +1 ^{o}C up to +5 ^{o}C, except in east Romania and Moldova where anomaly was negative from -1 ^{o}C up to -5 ^{o}C and also with negative anomaly up to -9 ^{o}C in northeastern Turkey. In most of the region precipitation up to 10 mm was registered, except in some parts of Bosnia and Herzegovina, Greece, Romania, Bulgaria and Serbia, while in southwest and northeast of Turkey amounted up to 100 mm.

Outlook

Within the first week (January 07th to 13th, 2013), ECMWF mounthly forecast predicts in Croatia, north Bosnia and Herzegovina, central and part of east Serbia temperature above normal, with

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

anomaly around +2 ^{o}C. Temperature below normal is expected in rest of SEE region, with anomaly around -2 ^{o}C. The probability for these events is around 80%. In most of Balkans and west Turkey normal to dry weather conditions are expected, while in central Serbia, northwest Romania, central, north, east and south east Turkey and South Caucasus precipitation surplus is expected. The probability for these events is around to 80%.

During the second week (January 14th to 20th 2013) in most part of SEE region temperature below normal, from -1 ^{o}C up to -4 ^{o}C is expected. The probability is up to 70%. Over Balkans average amount of precipitation is expected, while in most part of Turkey and South Caucasus surplus of precipitation is expected, with probability up to 60%.

In the period from January 07th to February 03rd, in Moldova and most part of Romania and Turkey temperature below normal is expected, with anomaly from -1 ^{o}C up to -4 ^{o}C, while temperature above normal, from +1 ^{o}C up to +3 ^{o}C is expected in north Croatia and in part of South Caucasus. The probability is up to 80%. Surplus of precipitation is expected in most part of Turkey and in South Caucasus, with probability up to 80%. With less confidence average amount of precipitation is expected over Balkans.

During the following three months (February, March, April) SEEVCCC seasonal forecast predict temperature above normal in most of Balkans, part of central and east Turkey and in South Caucasus is expected. Precipitation surplus is expected in south Caucasus, north Turkey, central and northwestern Romania and along the Adriatic. In rest of SEE region normal to dry weather is expected.

Update

An updated statement will be issued on 14-01-2013.

For further information please contact Mr. Dragan Mihic, **dragan.mihic@hidmet.gov.rs**

ANNEX

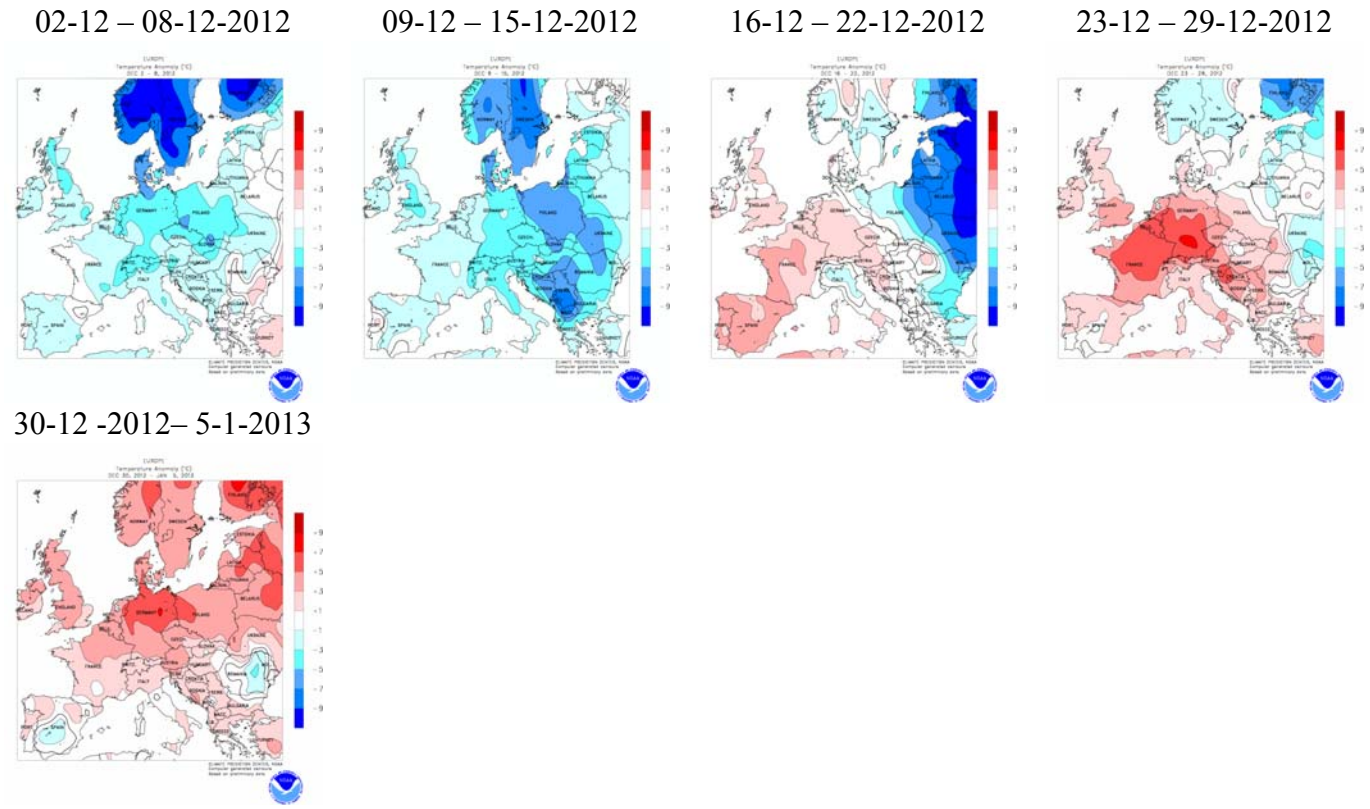

Figure 1. Temperature anomaly for recent weeks (source: Climate Predication Center, USA)

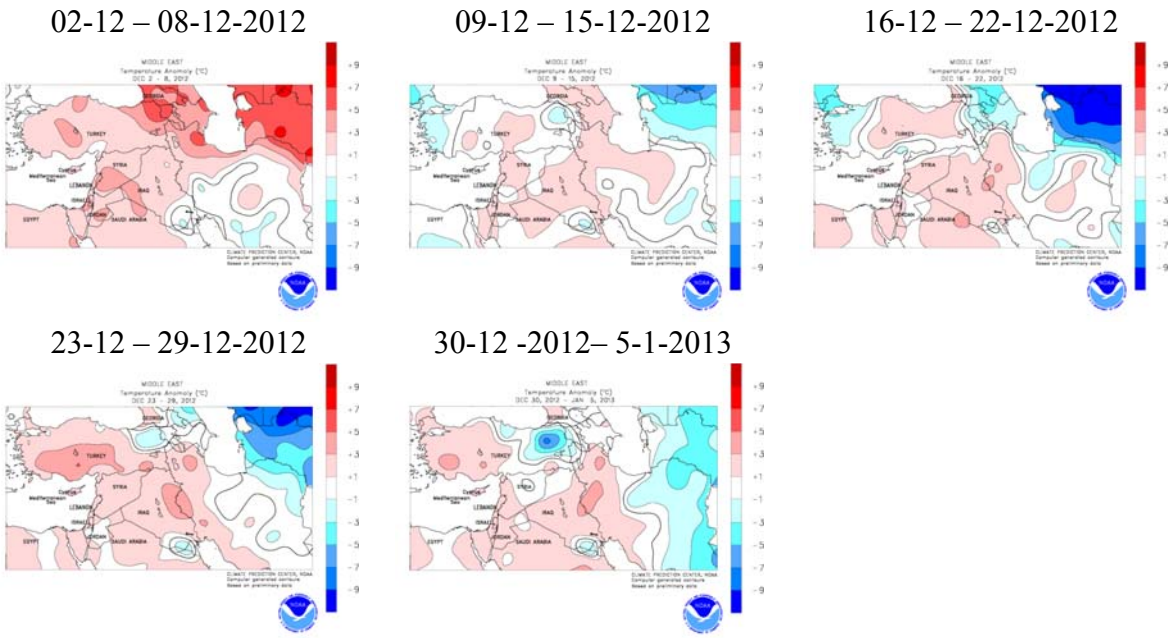

Figure 2. Temperature anomaly for recent weeks for Middle East (source: Climate Predication Center, USA)

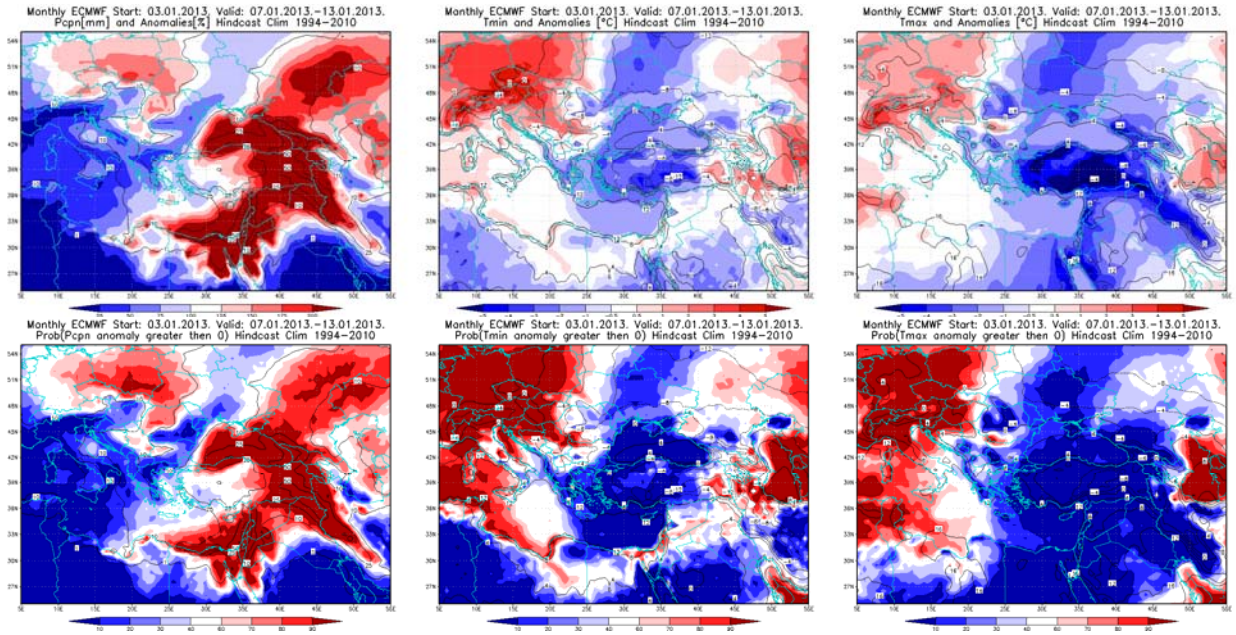

Figure 3. Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 07 –13.01.2013 period

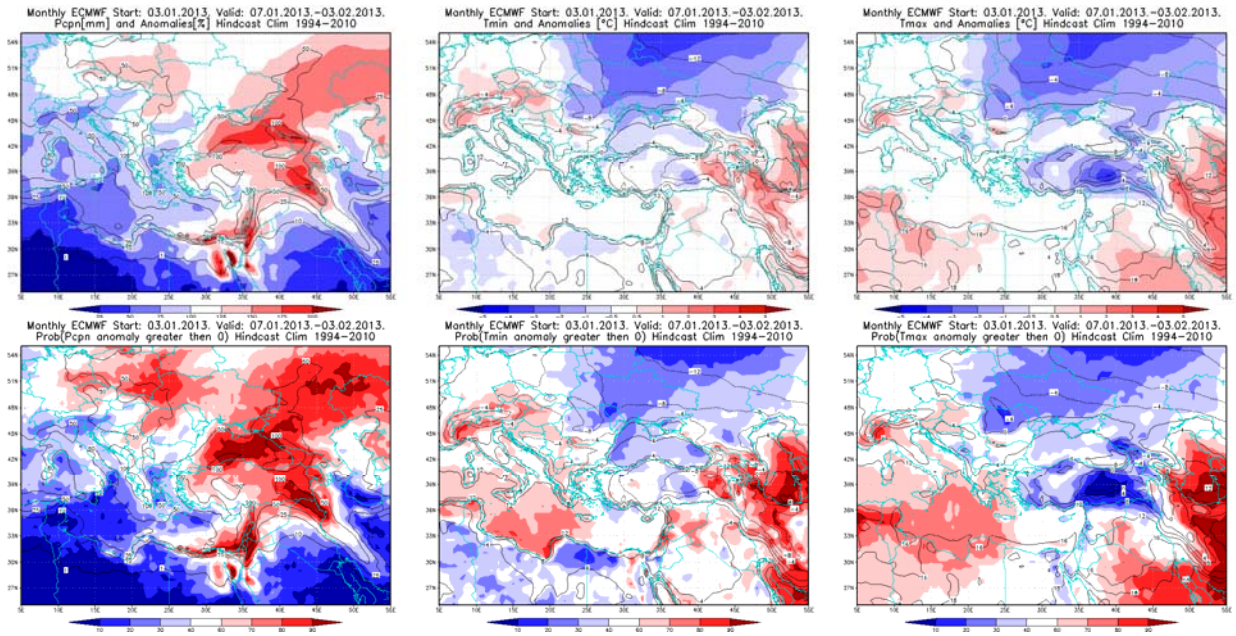

Figure 4. Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 07.01– 03.02.2013 period

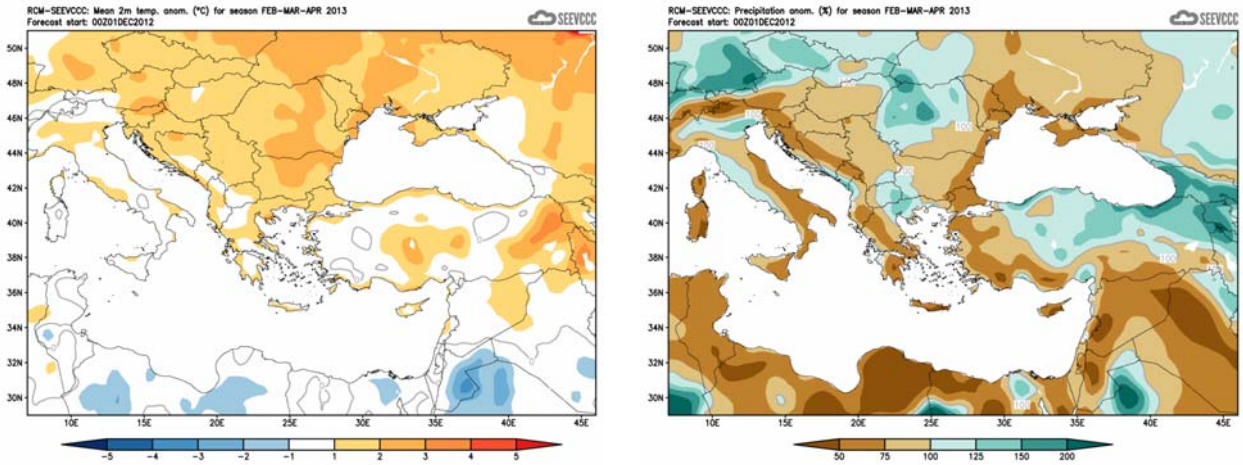

Figure 5. Mean seasonal temperature anomalies for the season FMA (seasonal outlook of RCM – SEEVCCC)

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/)