Climate Watch (Serial No.: 20130115 – 00)

Initial/Updated/Final

Topic: Surplus of precipitation in SEE	Warning:	0	No particular awareness
Organization issuing the statement: SEEVCCC		1	Potentially dangerous
		2	Dangerous
Issued/ Amended / Cancelled: 15-01-2013 12:00 P.M.		3	Very dangerous

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Valid from – to: 14-01-2013 – 27-01-2013 Next amendment: 21-01-2013

Region of concern: South-eastern Europe

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

„ Period with precipitation surplus in most of SEE region (rainfall and snowfall), while deficit only in south Caucasus. The probability for these events is around 90%. In north part of Balkans temperature below normal, with anomaly around -2 ^{o}C, is expected. The probability for this event is up to 80%. Temperature above normal is expected in rest of SEE region, with anomaly from +1 ^{o}C up to +4 ^{o}C. The probability for this event is up to 90%".

Monitoring

In the period from 6th to 12th January in most part of SEE region mean temperature anomaly was below normal 1981-2010[1] from -1 ^{o}C up to -5 ^{o}C, in central Romania up to -7 ^{o}C. In Croatia, Bosnia and Herzegovina and south Caucasus anomaly was positive from +1 ^{o}C up to +5 ^{o}C. In most of the region precipitation up to 25 mm was registered. In some parts of Bulgaria, Greece, south Caucasus, eastern, northernmost and southernmost of Turkey precipitation up to 100 mm was recorded.

Outlook

Within the first week (January 14th to 20th, 2013), ECMWF mounthly forecast predicts in Croatia, most of Bosnia and Herzegovina, north Serbia, west and northeast Romania, north Moldova, south and east Turkey temperature below normal, with anomaly around -2 ^{o}C. The probability for

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

this event is up to 80%. Temperature above normal is expected in rest of SEE region, with anomaly from +1 ^{o}C up to +4 ^{o}C. The probability for this event is up to 90%. In most of SEE region surplus of precipitation (rainfall and snowfall) is expected, while deficit is expected in south Caucasus. The probability for these events is around 90%.

During the second week (January 21st to 27th 2013) in most of the region temperature above normal, up to +2 ^{o}C, is expected, with probability around 70%. With less confidence temperature below normal, up to -2 ^{o}C, is expected in northernmost of Croatia and Serbia, westernmost and southeast Romania and most part of Moldova. Precipitation surplus is expected in Croatia, most of Bosnia and Herzegovina, Montenegro, Albania, west Greece, north Serbia, west Romania, westernmost and easternmost of Turkey and south Caucasus, with probability around 70%.

In the period from January 14th to February 10th, in most of the region temperature above normal, up to +2 ^{o}C, is expected, with probability around 70%. With less confidence temperature below normal, up to -2 ^{o}C, is expected in northernmost of Croatia and Serbia, westernmost and southeast Romania and most part of Moldova. Surplus of precipitation, with probability around 80%, is expected over Balkans, in west and small part of central Turkey and in part of South Caucasus.

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. 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

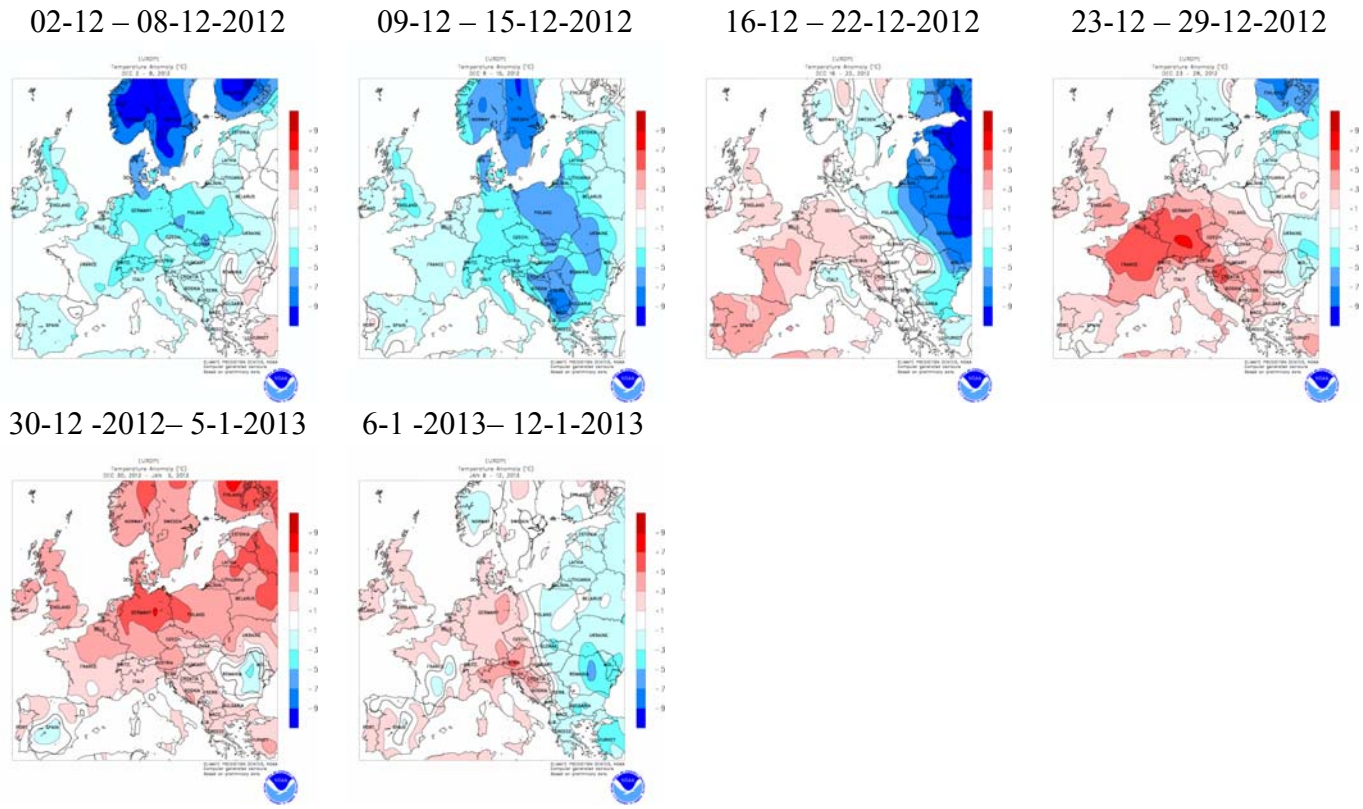

Figure 1. Temperature anomaly for recent weeks (source: Climate Predication Center, USA)

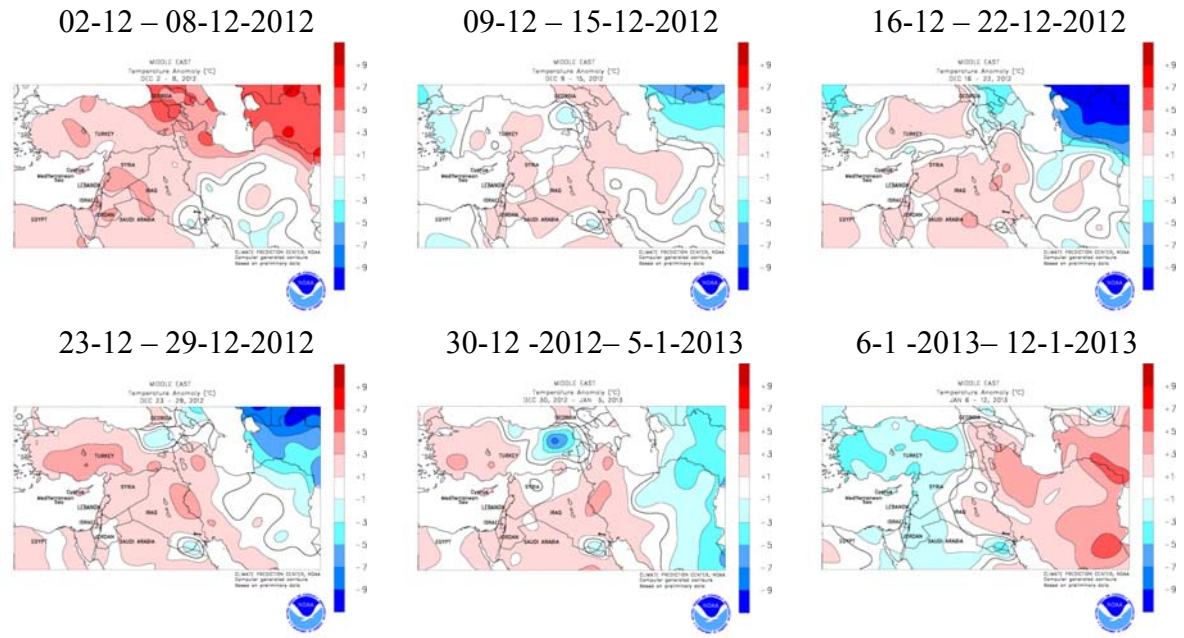

Figure 2. Temperature anomaly for recent weeks for Middle East (source: Climate Predication Center, USA)

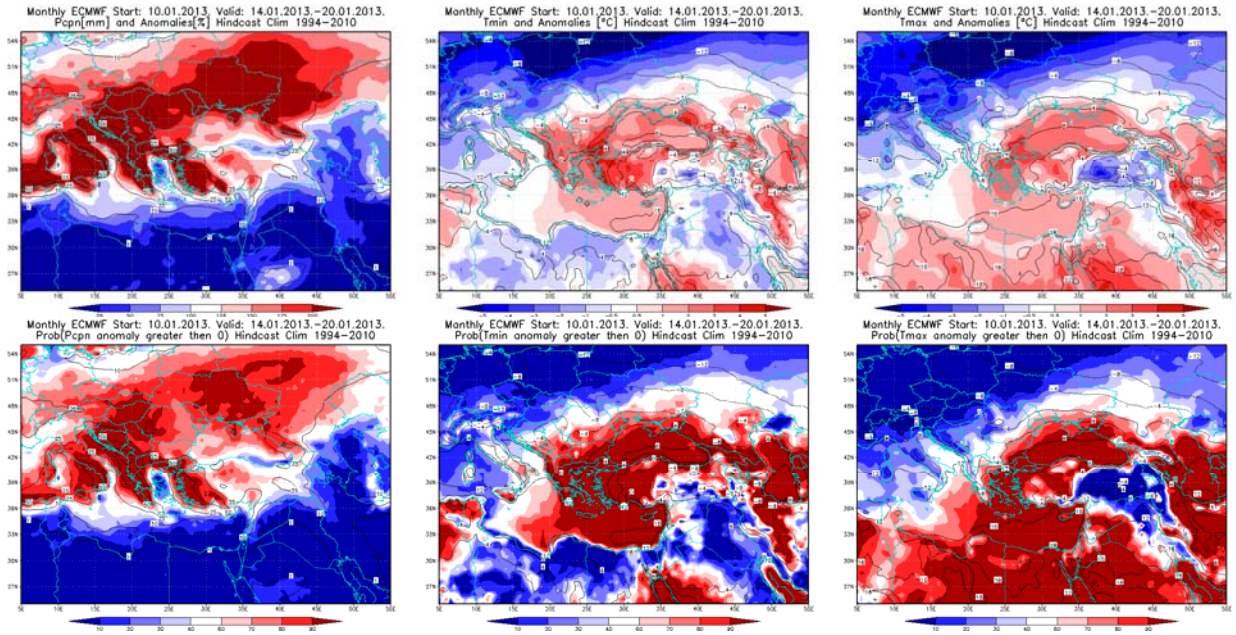

Figure 3. Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 14 –20.01.2013 period

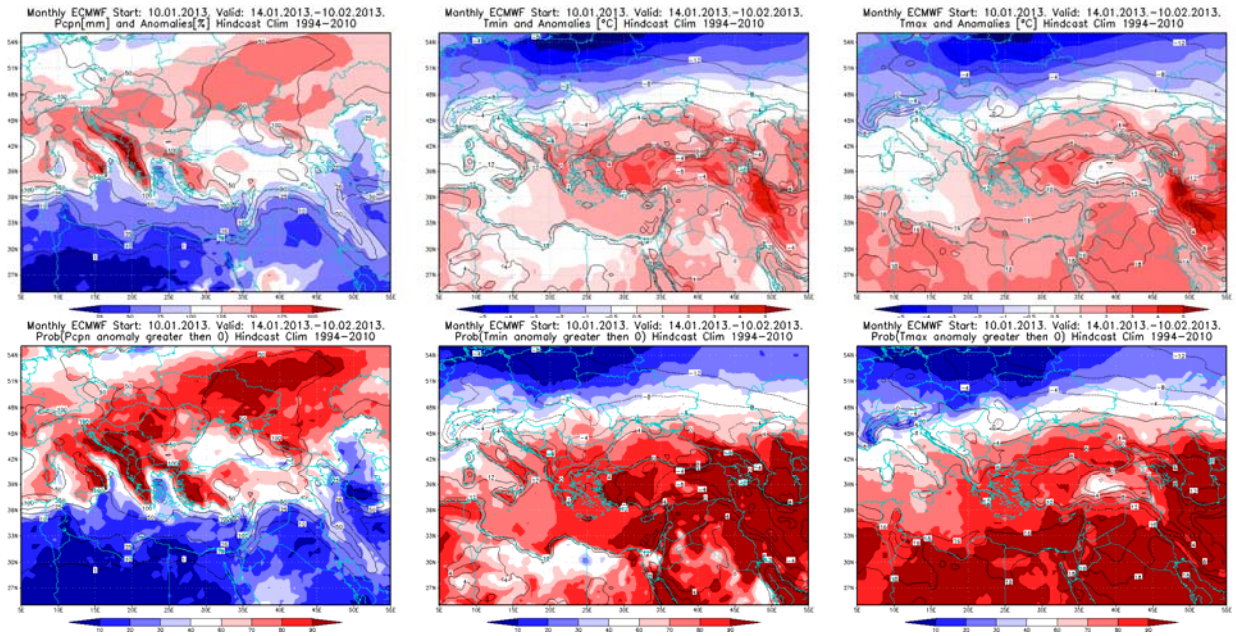

Figure 4. Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 14.01– 10.02.2013 period

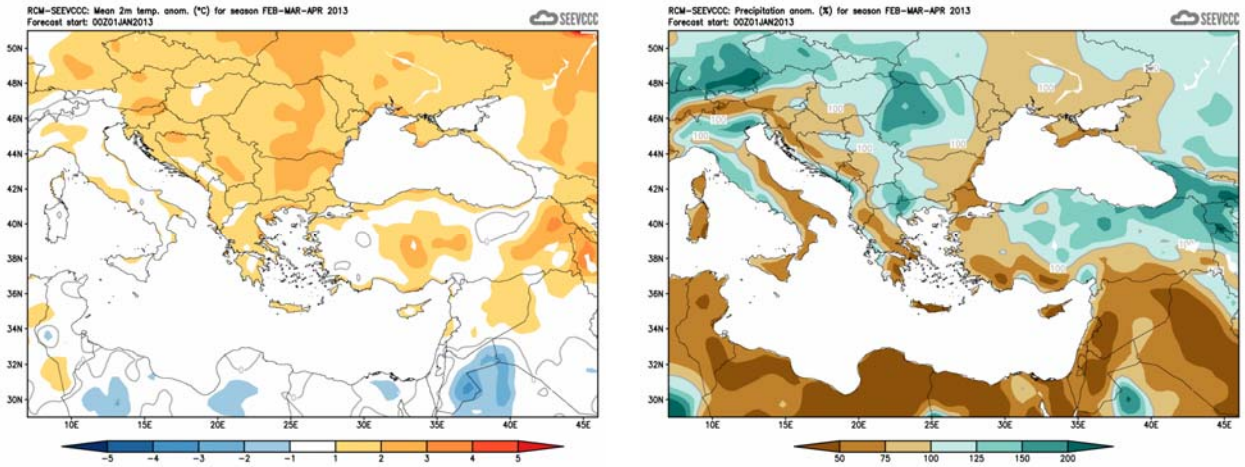

Figure 5. Mean seasonal temperature anomalies for the season FMA (seasonal outlook of RCM – SEEVCCC)

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/)