Climate Watch (Serial No.: 20121022 – 00)

Initial/Updated/Final

Topic: precipitation surplus	Warning:	0	No particular awareness
Organization issuing the statement: SEEVCCC		1	Potentially dangerous
		2	Dangerous
Issued/ Amended / Cancelled: 25-02-2013 12:00 P.M.		3	Very dangerous

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Valid from – to: 25-02-2013 – 10-03-2013 Next amendment: 04-03-2013

Region of concern: South-eastern Europe

„ During next month, especially within the first week with probability for exceeding upper tercile of around 80%, precipitation surplus is expected in Serbia, Romania, Bulgaria, fYR of Macedonia and in northern Greece. Temperature above normal, with anomaly from +1 ^{o}C up to +4 ^{o}C, is expected in the entire SEE region. The probability for this event is around 90%.“

Monitoring

In the period from February 17th to 23rd in Moldova, most part of Romania, north and west Bulgaria, east, south and southwest Serbia, fYR of Macedonia, south Greece, most part of Turkey and south Caucasus mean temperature was above normal 1981-2010[1], from +1 ^{o}C up to +5 ^{o}C, while in most part of Croatia mean temperature was below normal, from -1 ^{o}C up to -3 ^{o}C. Significant precipitation was recorded only along the costal region of SEE and amount was up to 100mm. In rest of the region precipitation was up to 25mm.

Outlook

Within the first week (February 25th to March 3rd, 2013), ECMWF mounthly forecast predicts temperature above normal in the entire SEE region, with anomaly from +1 ^{o}C up to +4 ^{o}C. The probability for this event is around 90%. Precipitation surplus is expected in Serbia, Romania, Bulgaria, fYR of Macedonia and in northern Greece with probability for exceeding upper tercile

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

of around 80%. Precipitation deficit is expected in central and southern parts of Turkey and in southern Greece. The probability for these events is up to 90%.

During the second week (March 4th to March 10th, 2013) temperature above normal is expected in the entire SEE region, with anomaly from +1 °C to +4 °C. Probability is around 80%. Precipitation deficit is expected in coastal part of Greece and westernmost and southernmost of Turkey. Probability is around 70%. With less confidence in rest of SEE region average amount of precipitation is expected.

In the period from February 25th to March 24th, in most part of SEE region temperature above normal, with anomaly from +1 °C to +3 °C, is expected. The probability is around 70%. Precipitation surplus is expected in eastern and southeastern part of Serbia, southern Romania, in most part of Bulgaria, fYR of Macedonia and in northern Greece with probability for exceeding upper tercile of around 70%. Precipitation deficit is expected in coastal part of Greece and Turkey. Probability for these events is around 80%.

During the following three months (March, April, May) SEEVCCC seasonal forecast predict 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 04-03-2013.

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

ANNEX

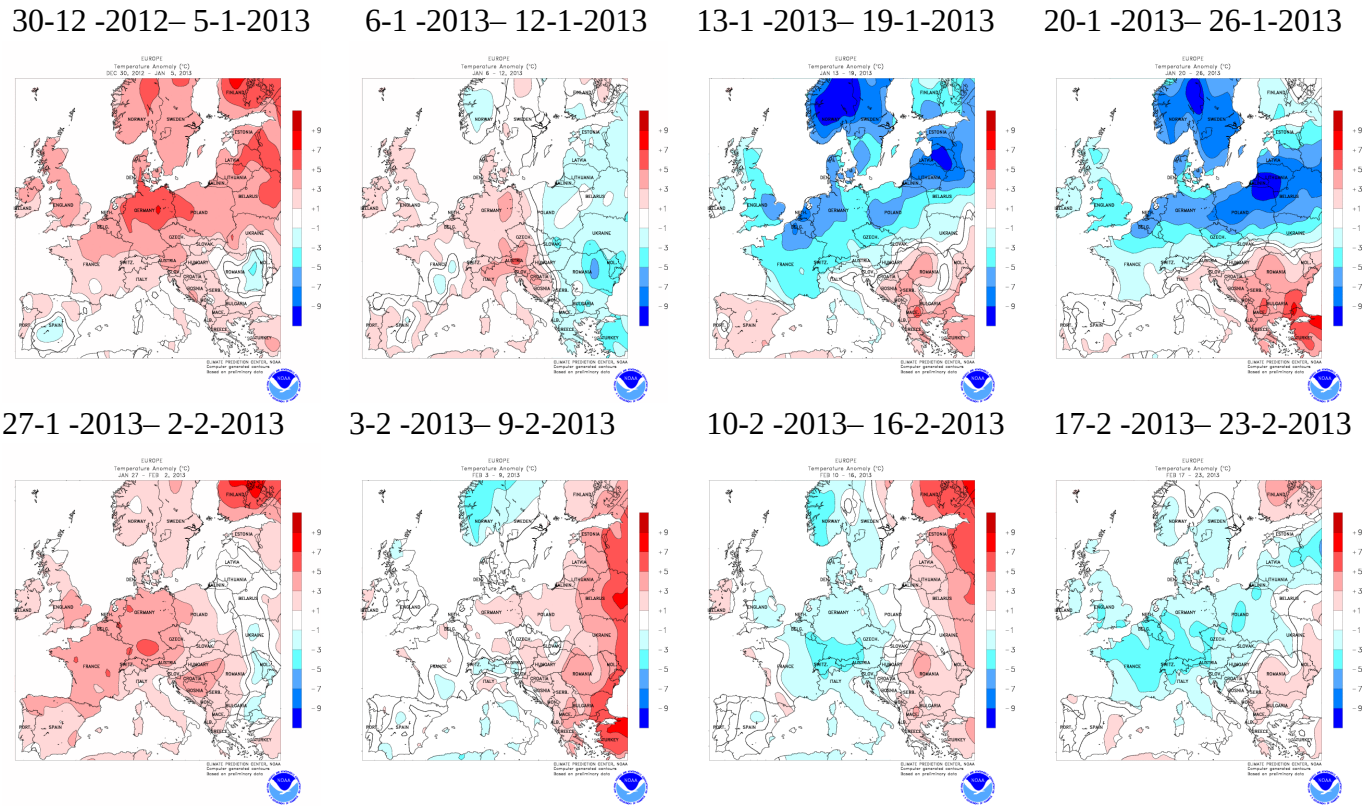

Figure 1. Temperature anomaly for recent weeks (source: Climate Predication Center, USA)

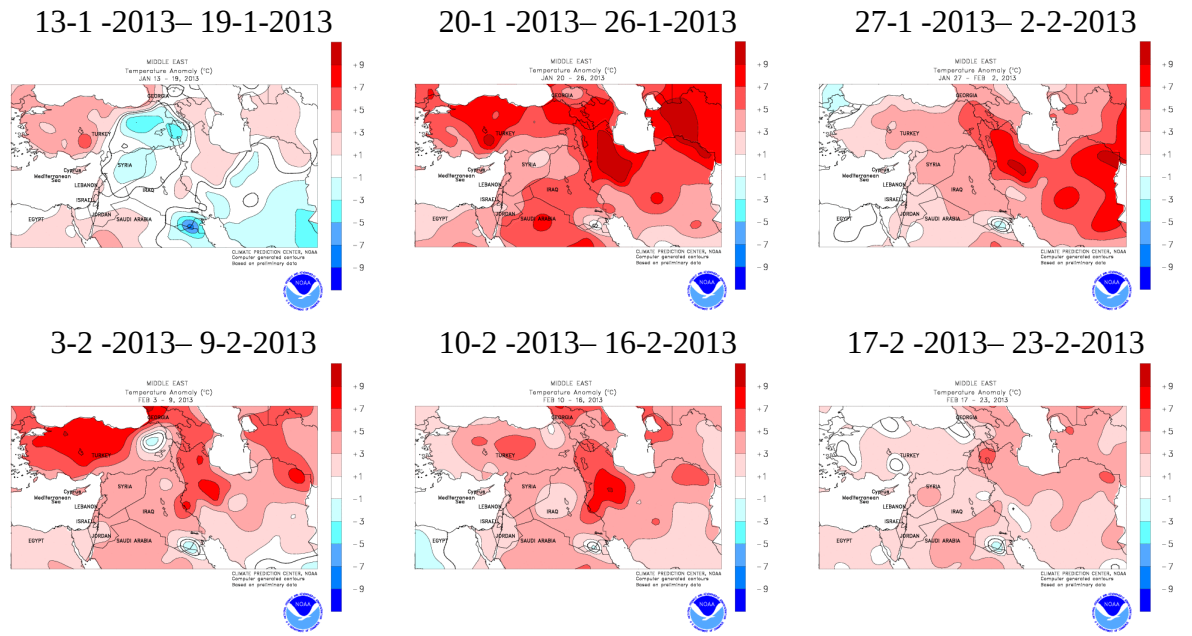

Figure 2. Temperature anomaly for recent weeks for Middle East (source: Climate Predication Center, USA)

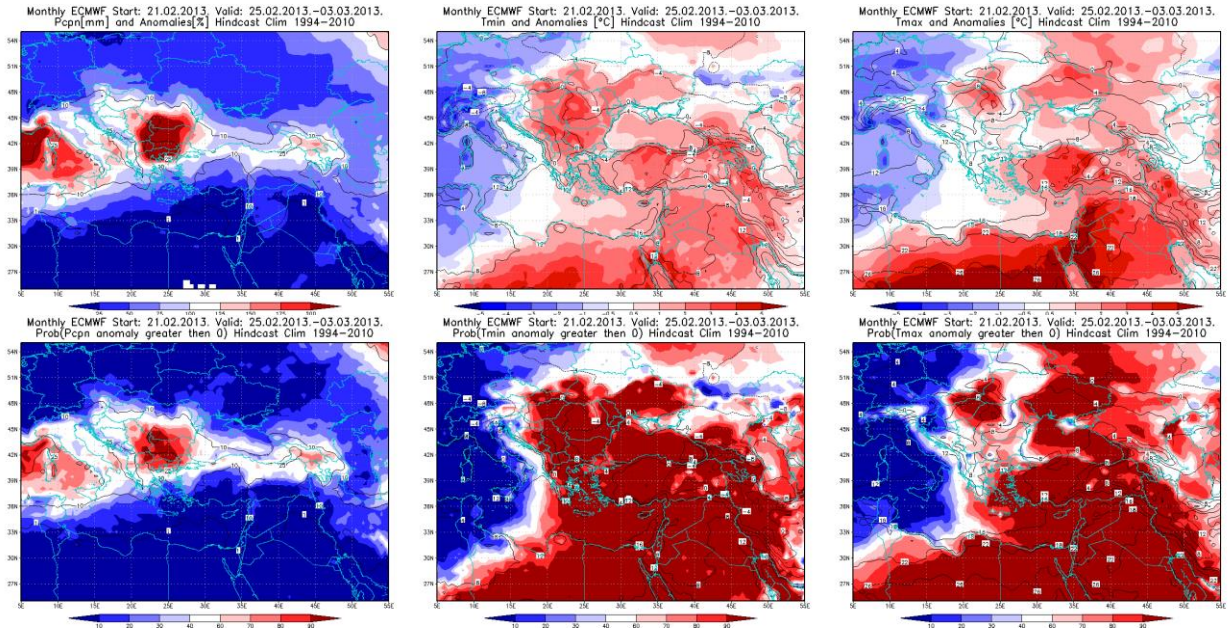

Figure 3. Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 25.02. –03.03.2013 period

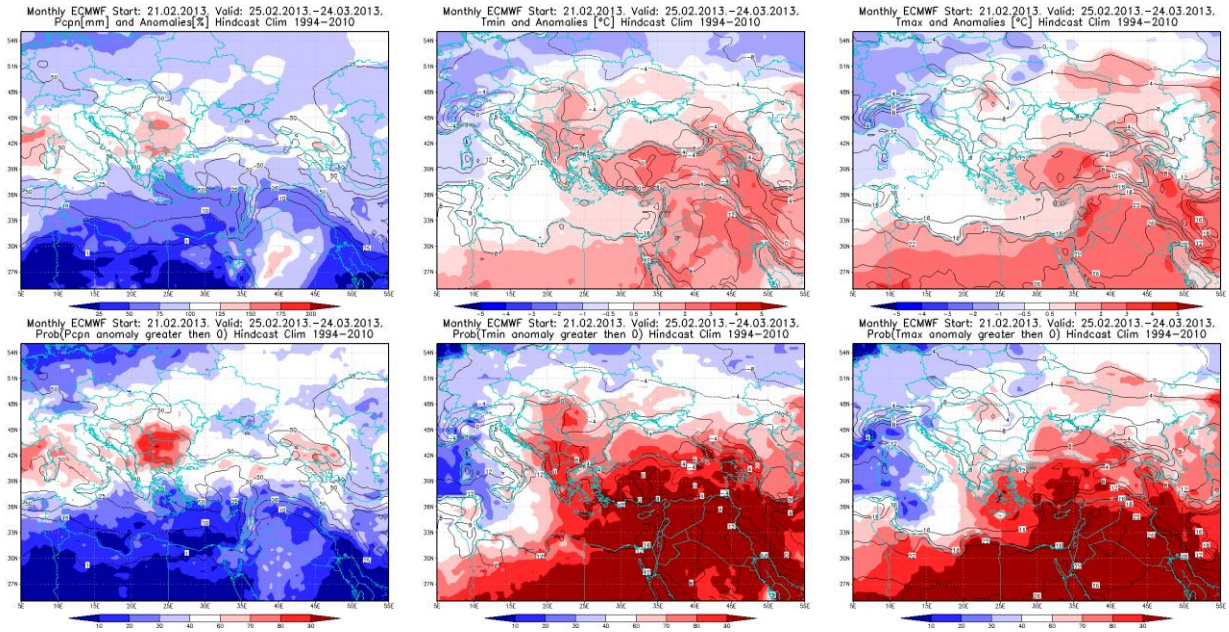

Figure 4. Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 25.02– 24.03.2013 period

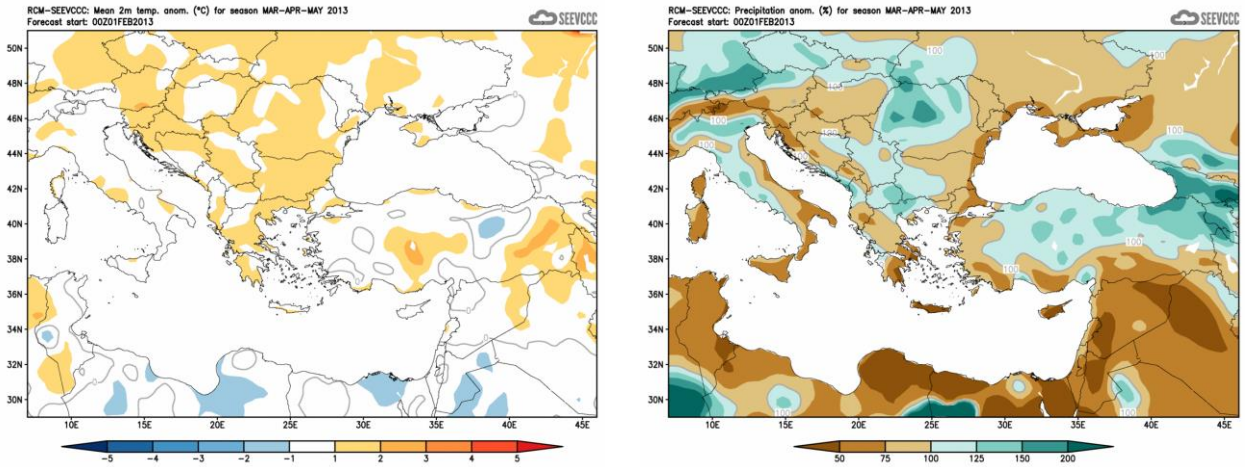

Figure 5. Mean seasonal temperature and precipitation anomaly for the season MAM (seasonal outlook of RCM – SEEVCCC)

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/)