Climate Watch (Serial No.: 20130415 – 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 15-4-2013 12:00 P.M.		3	Very dangerous

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Valid from – to: 15-4-2013 – 28-4-2013 Next amendment: 21-4-2013

Region of concern: South-eastern Europe

„Below normal temperature in Turkey, south Caucasus with anomaly from - 1 ^{o}C up to -2 ^{o}C is expected, with probability up to 90%. In Croatia, Bosnia and Herzegovina, Montenegro, above normal temperature with anomaly from +1 ^{o}C up to +3 ^{o}C, is expected. The probability for these events is around 80%. Precipitation deficit is expected in most part of the Balkans and Moldova, while precipitation surplus is expected in most part of Turkey and Greece, with probability around 80%".

Monitoring

In the period from April 7th to 13th in Croatia, Bosnia and Herzegovina, Albania, western FYR of Macedonia, Greece and Turkey temperature above normal 1981-2010[1], with anomaly from +1 ^{o}C to +5 ^{o}C, even up to +7 ^{o}C in south Caucasus was registered. In the rest of the region, average temperature was recorded. In most of SEE region precipitation amount was from 10 up to 50 mm.

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

Outlook

Within the first week (April 15th to 21th, 2013), ECMWF mounthly forecast predicts below normal temperature in Turkey, south Caucasus and most part of Bulgaria with anomaly from - 1 °C up to -2 °C and with probability up to 90%. In Croatia, Bosnia and Herzegovina, Montenegro, Albania and westernmost and northwestern Serbia above normal temperature, with anomaly from +1 °C up to +3 °C, is expected. The probability for this event is around 80%. Precipitation deficit is expected in most part of the Balkans and Moldova, while precipitation surplus is expected in most part of Turkey and Greece, with probability around 80%.

During the second week (April 21th to 28th, 2013) in most of SEE region below normal temperature, with anomaly from -1 °C up to -2 °C, is expected. The probability for this event is up to 70%. With less confidence precipitation surplus is expected in the Greece, central and eastern part of Bulgaria and western Turkey.

In the period from April 15th to May 12th, in most of SEE region below average temperature is expected, with anomaly around -1 °C and probability up to 80%. Precipitation deficit is expected along the Adriatic, while surplus is expected in western Turkey and Greece, with probability up to 80%.

During the following three months (April, May, Jun) SEEVCCC seasonal forecast predicts above-normal temperature, with anomaly up to +2 °C, in most of Balkans, part of central Turkey and in some part of South Caucasus. Precipitation deficit is expected in northern Serbia, northern Croatia and along the costal regions, while surplus is expected in eastern FYR of Macedonia, central Romania, easternmost of Turkey and south Caucasus.

Update

An updated statement will be issued on 21-4-2013.

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

ANNEX

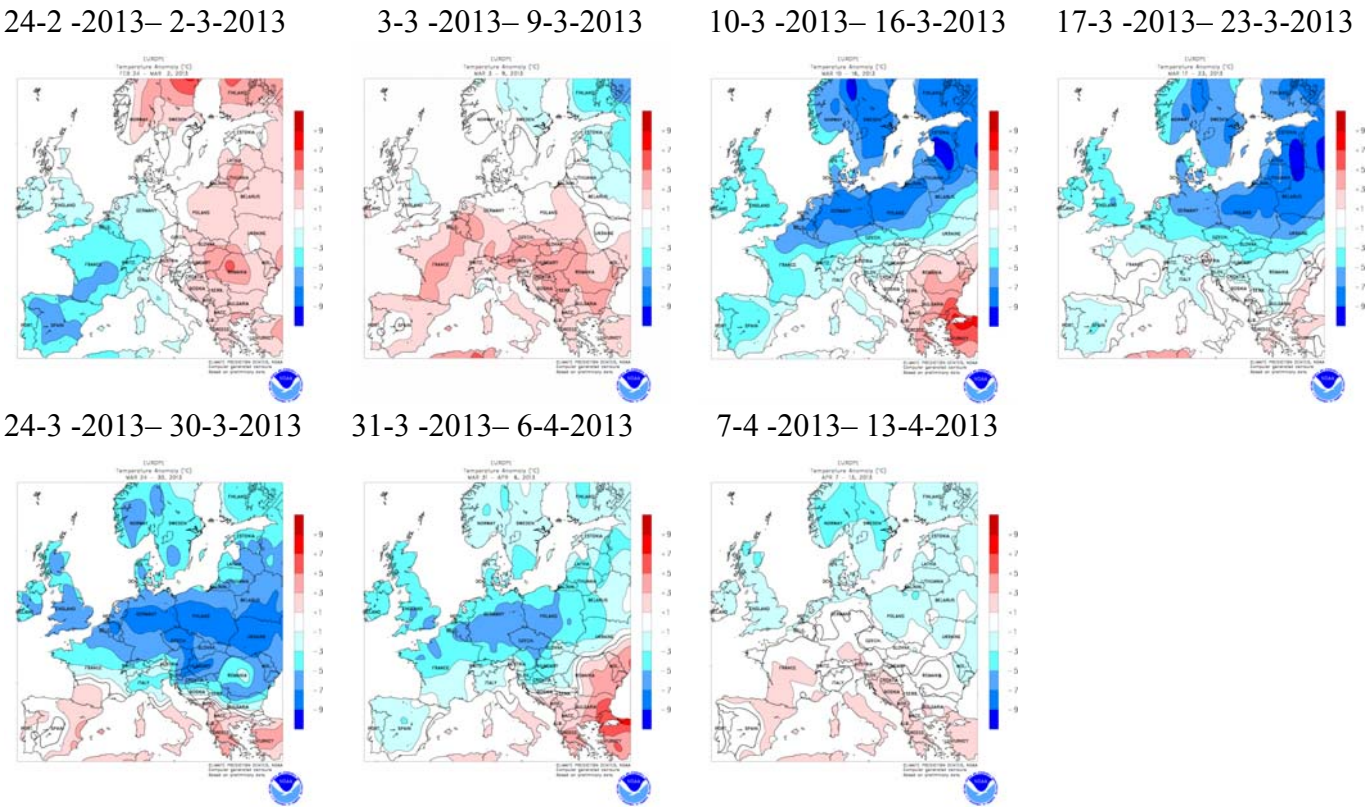

Figure 1. Temperature anomaly for recent weeks (source: Climate Predication Center, USA)

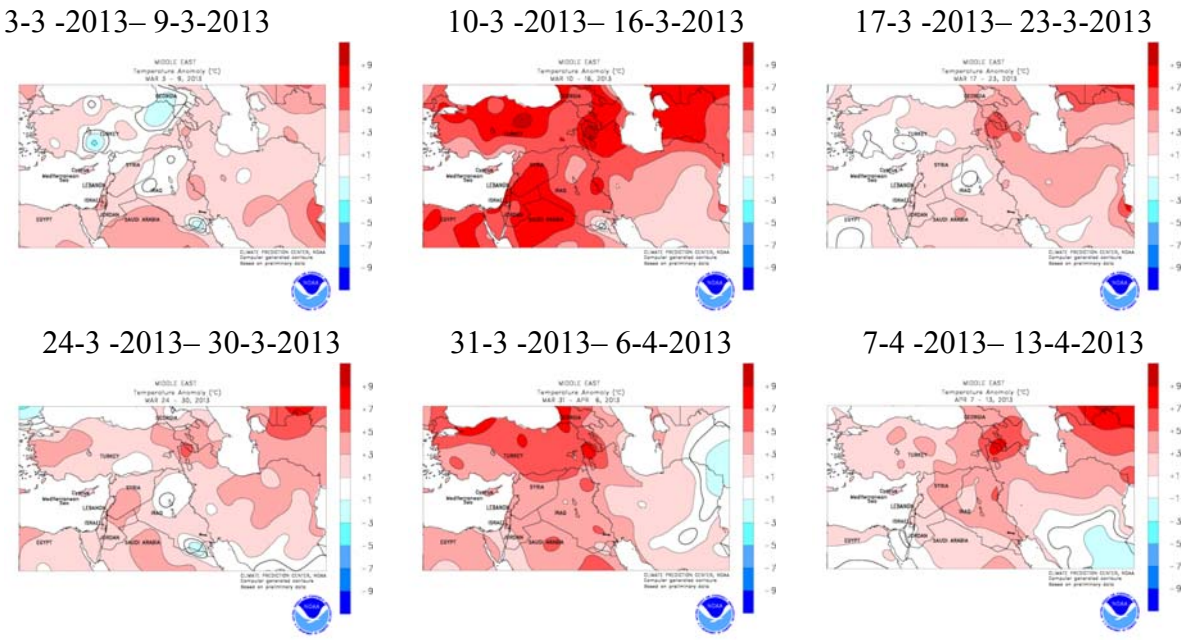

Figure 2. Temperature anomaly for recent weeks for Middle East (source: Climate Predication Center, USA)

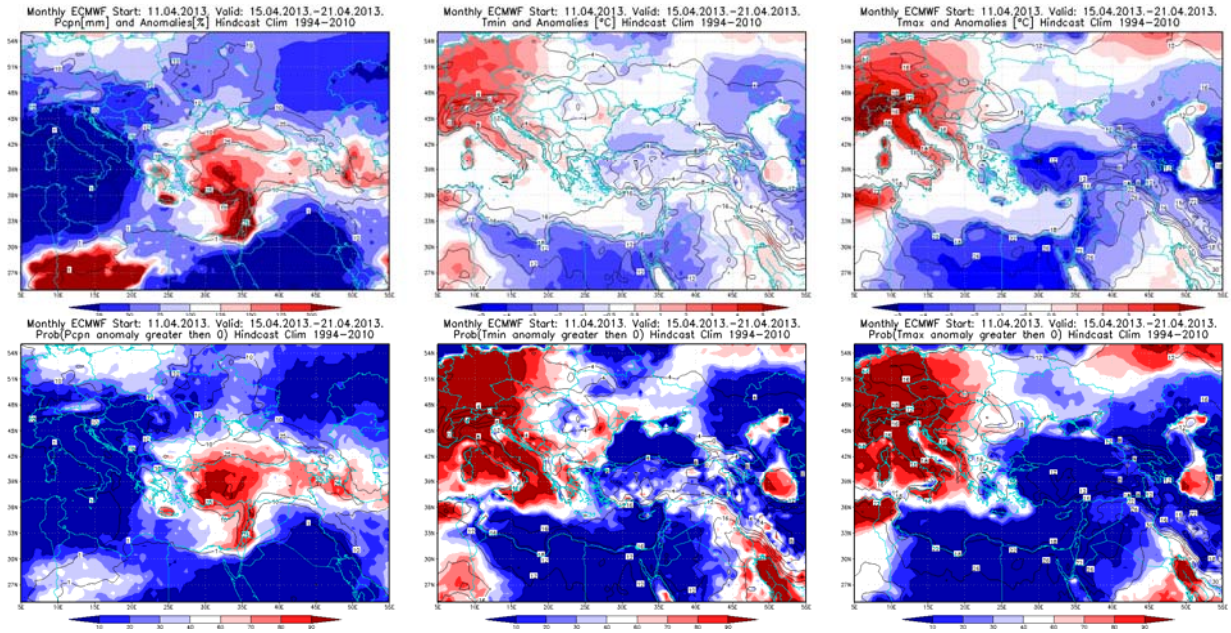

Figure 3. Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 15 –21.4.2013 period

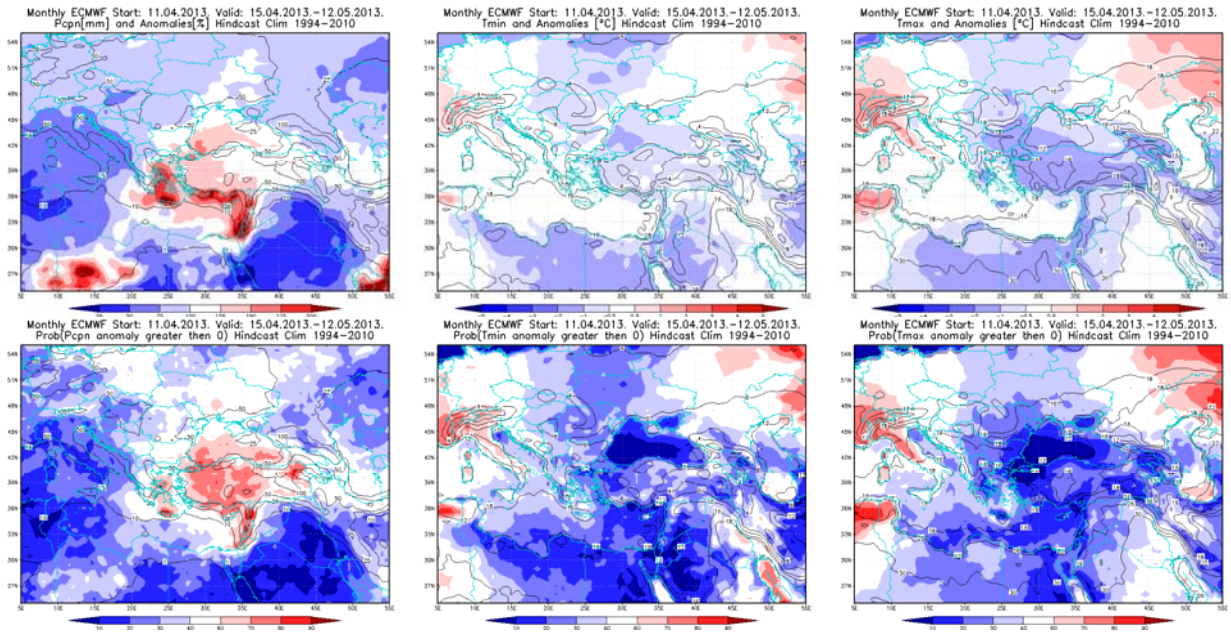

Figure 4. Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 15.04.– 12.05.2013 period

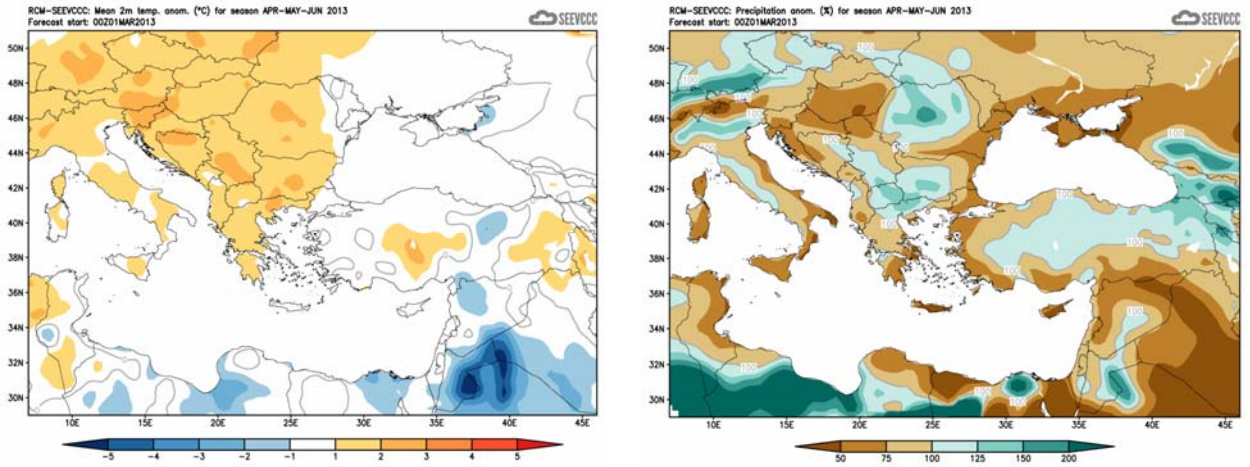

Figure 5. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook of RCM – SEEVCCC)

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/)