

Climate Watch (Serial No.: 20130204 – 00)

Initial/Updated/Final

Topic:	Warning:	0	No particular awareness
Organization issuing the statement:	SEEVCCC	1	Potentially dangerous
		2	Dangerous
Issued/ Amended / Cancelled	04-02-2013 12:00 P.M.	3	Very dangerous

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Valid from – to: 04-01-2013 – 17-02-2013 Next amendment: 11-02-2013

Region of concern: South-eastern Europe

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

„Temperature below normal, with anomaly from -1 °C up to -4 °C is forecast for Croatia, Bosnia and Herzegovina, Montenegro, Albania, northern and western Serbia and northern and western Romania, while in rest of the region above normal temperature, from +1 °C up to +5 °C, is expected. The probability for these events is up to 90%. Over most of Balkans and in most of Turkey surplus of precipitation is expected whereas eastern Turkey and south Caucasus are forecast to receive deficit of precipitation. The probability for these events is around 80%“.

Monitoring

In the period from January 27th to February 02nd in most of Balkans and Turkey mean temperature anomaly was above normal 1981-2010¹ from +1 °C up to +5 °C, while in south Caucasus it was even up to +7 °C. Temperature below normal, from -1 °C up to -3 °C, was recorded in Moldova, easternmost Romania, east and southeast Bulgaria and westernmost Turkey. In most of SEE region precipitation up to 25mm was registered, except in southeast Turkey where precipitation up to 100mm was observed.

Outlook

Within the first week (February 04th to 10th, 2013), ECMWF mounthly forecast predicts temperature below normal, with anomaly from -1 °C up to -4 °C in Croatia, Bosnia and

¹ Reference climatological period is the 1981-2010 period

Herzegovina, Montenegro, Albania, northern and western Serbia and northern and western Romania while in rest of the region above normal temperature, from +1 °C up to +5 °C, is expected. The probability for these events is up to 90%. Over most of Balkans and in most of Turkey surplus of precipitation is expected whereas eastern Turkey and south Caucasus are forecast to receive deficit of precipitation. The probability for these events is around 80%.

During the second week (February 11th to 17th, 2013) in most of Balkans temperature below normal, from -1 °C up to -3 °C is expected, while in most of Turkey and south Caucasus temperature above normal, from +1 °C up to +3 °C is forecast. The probability is around 80%. Precipitation surplus is expected in Moldova, most of Romania and in Ionian Sea, with probability around 60% and with less confidence average amount of precipitation is expected in rest of SEE region.

In the period from February 04th to March 03rd, in Croatia, Bosnia and Herzegovina, Montenegro, northern and western Serbia, most part of Romania temperature below normal, around -2 °C is expected, while in rest of SEE region temperature will be above normal, from +1 °C up to +4 °C. The probability is around 80%. In most of Balkans and western and southern Turkey precipitation surplus is expected, whereas deficit is forecast in south Caucasus. The probability of these events is around 80%.

During the following three months (February, March, April) SEEVCCC seasonal forecast predicts 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 the SEE region normal to dry weather is expected.

Update

An updated statement will be issued on 11-02-2013.

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ANNEX

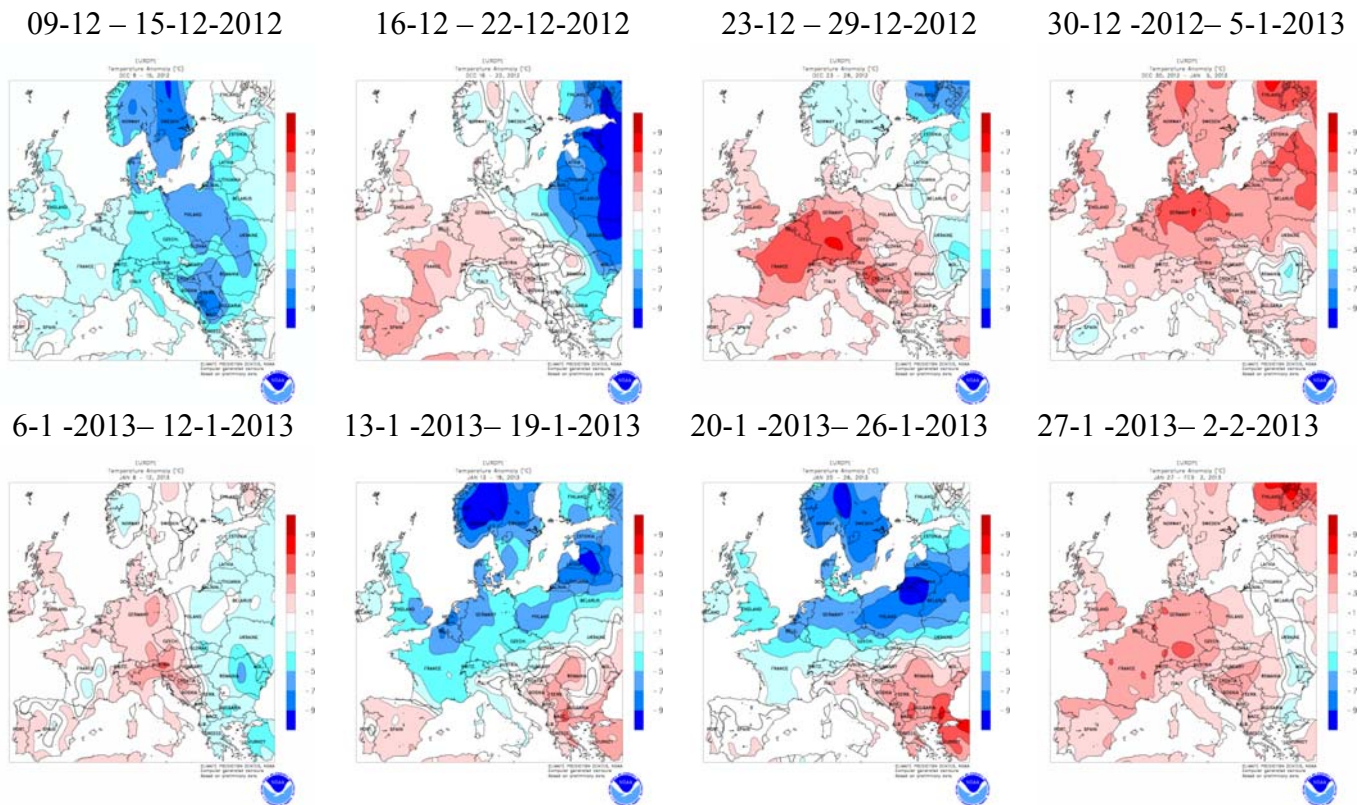


Figure 1. Temperature anomaly for recent weeks (source: Climate Prediction Center, USA)

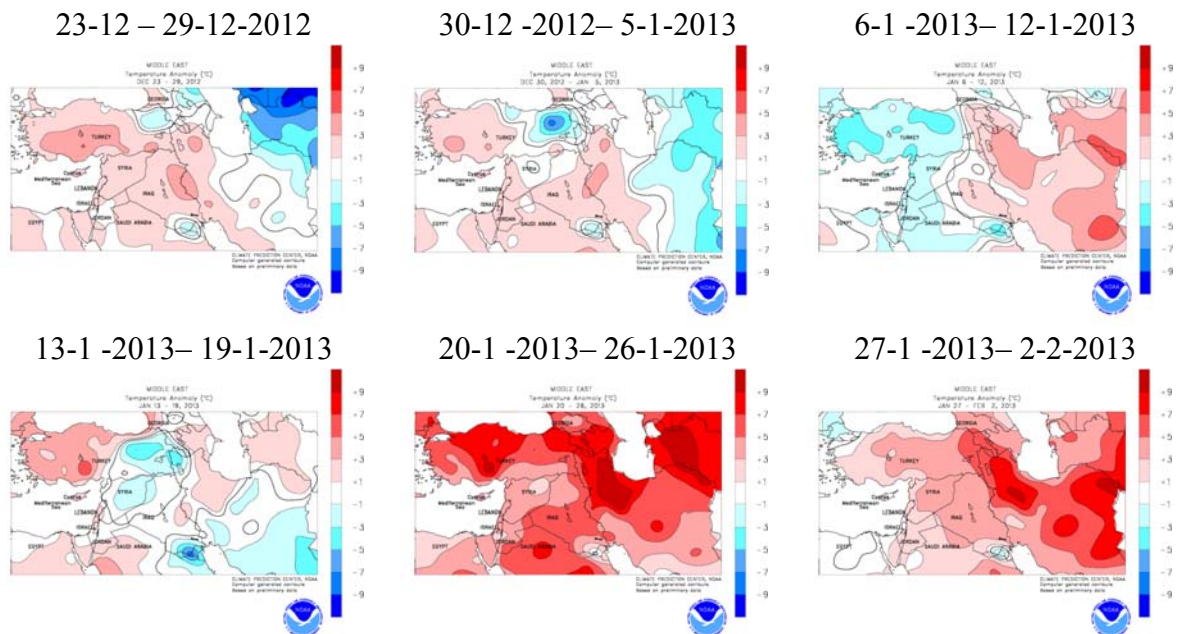


Figure 2. Temperature anomaly for recent weeks for Middle East (source: Climate Prediction Center, USA)

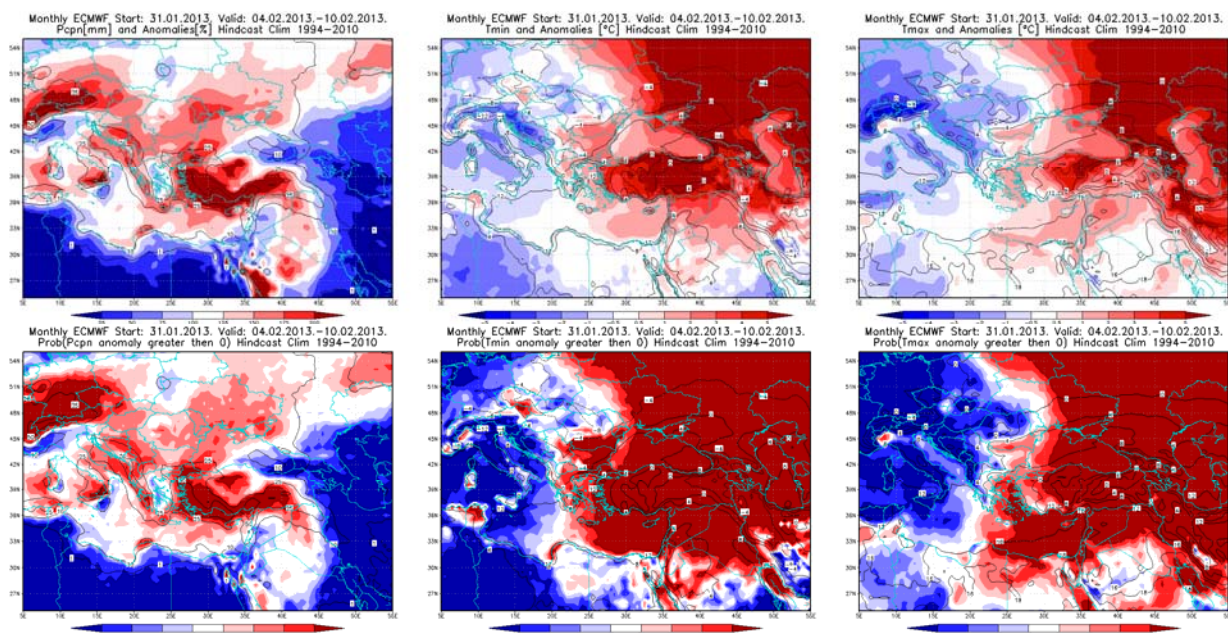


Figure 3. Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 04 –10.02.2013 period

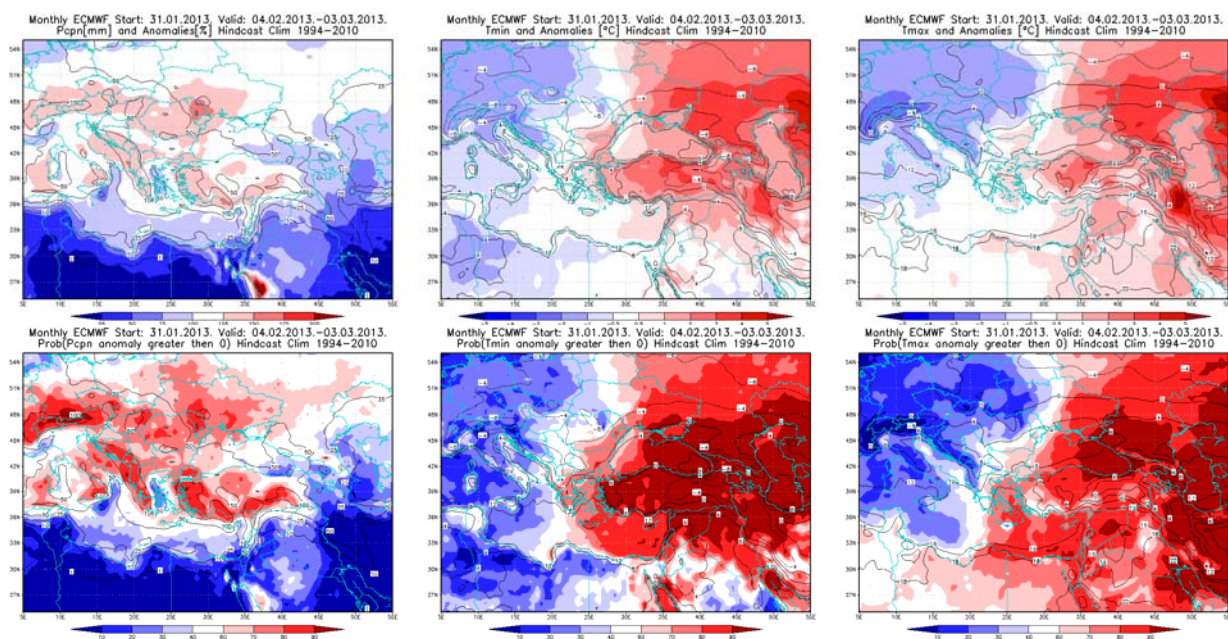


Figure 4. Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 04.02– 03.03.2013 period

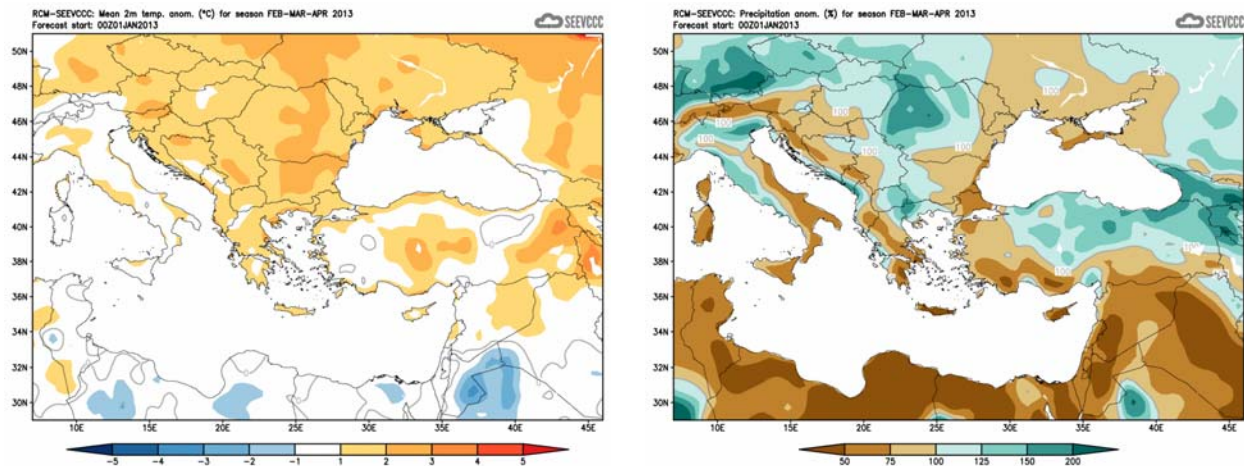


Figure 5. Mean seasonal temperature and precipitation anomaly for the season FMA (seasonal outlook of RCM – SEEVCCC)

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/>)