

Climate Watch (Serial No.: 20130128 – 00)

Initial/Updated/Final

Topic: Above normal temperature in SEE	Warning:	0	No particular awareness
Organization issuing the statement: SEEVCCC		1	Potentially dangerous
		2	Dangerous
<u>Issued/ Amended / Cancelled</u>	28-01-2013 12:00 P.M.	3	Very dangerous

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Valid from – to: 28-01-2013 – 10-02-2013 Next amendment: 04-02-2013

Region of concern: South-eastern Europe

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

„ Continuation of period with above normal temperature, with anomaly from +1 °C up to +3 °C, in western Balakns, Turkey and south Caucasus. In south Moldova, southeast Romania and north, east and southeast Bulgaria temperature below normal, around -2 °C, is expected. Over Balkans and in most of Turkey deficit of precipitation is expected, while in southeastern most of Turkey and south Caucasus surplus is expected. The probability for these events is up to 80%“.

Monitoring

In the period from 20th to 26th January in whole SEE region mean temperature anomaly was above normal 1981-2010¹ from +1 °C up to +5 °C, over Balkans and in east Bulgaria, Turkey and south Caucasus from +5 °C up to +9 °C. In north Croatia, Serbia, Romania, Moldova, northeast FYR of Macedonia, most part of Bulgaria and western Turkey precipitation up to 25mm was recorded. In rest of region that amount was from 25 up to 100mm and in costal region even up to 200mm.

Outlook

Within the first week (January 28th to February 03rd, 2013), ECMWF mounthly forecast predicts in western Balakns, Turkey and south Caucasus temperature above normal, with anomaly from +1 °C up to +3 °C, while in south Moldova, southeast Romania and north, east and southeast

¹ Reference climatological period is the 1981-2010 period

Bulgaria temperature below normal, around -2 °C, is expected. The probability for these events is up to 90%. Over Balkans and in most of Turkey deficit of precipitation is expected, while in southeastern most of Turkey and south Caucasus surplus is expected. The probability for these events is up to 80%.

During the second week (February 04th to 10th, 2013) in whole SEE region temperature above normal, from +2 °C to +4 °C and in most of Turkey even over, is expected, with probability around 80%. Precipitation surplus is expected over Balkans and west Turkey, while deficit is expected in east Turkey and south Caucasus, with probability around 60%.

In the period from January 28th to February 24th, in SEE region temperature above normal, around +2 °C is expected, with probability around 80%. With less confidence average precipitation amount is expected over whole SEE region.

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 04-02-2013.

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ANNEX

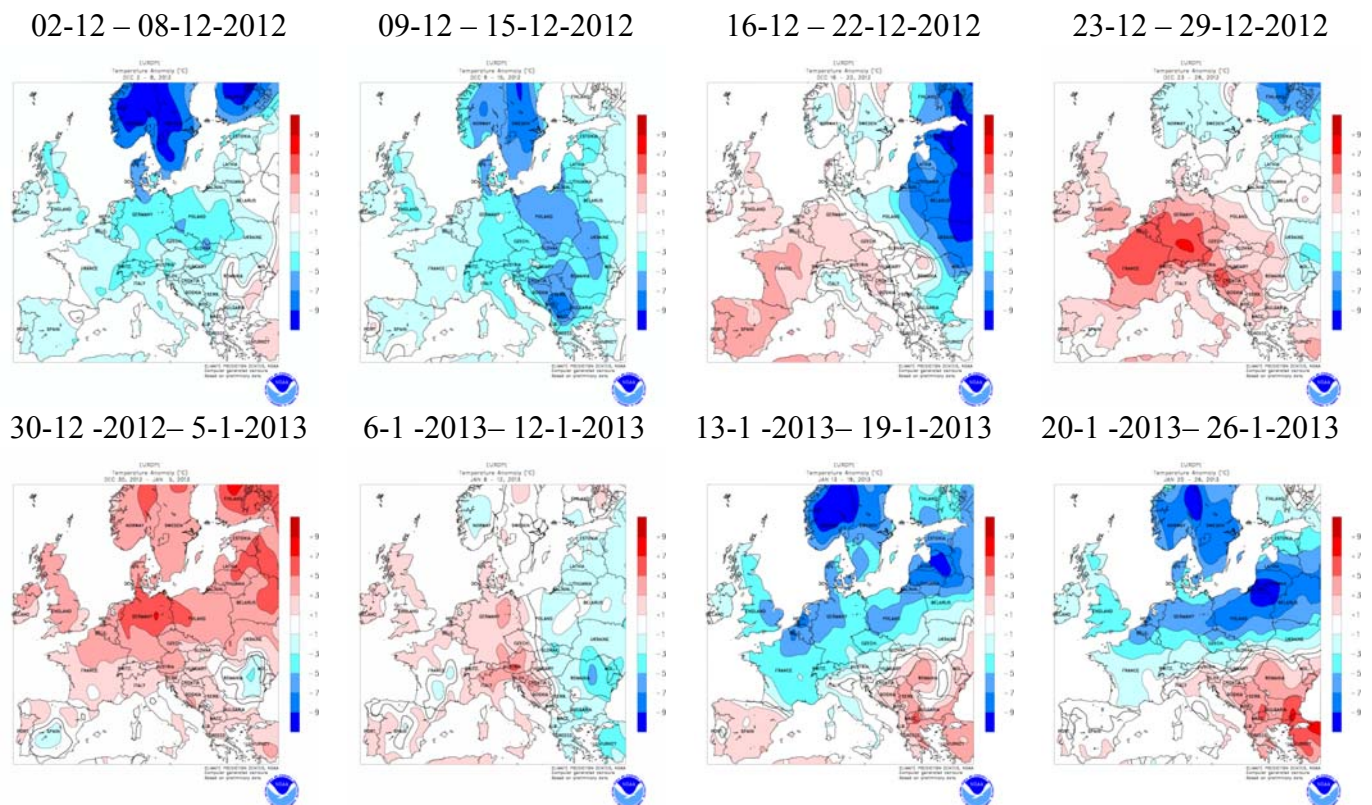


Figure 1. Temperature anomaly for recent weeks (source: Climate Prediction Center, USA)

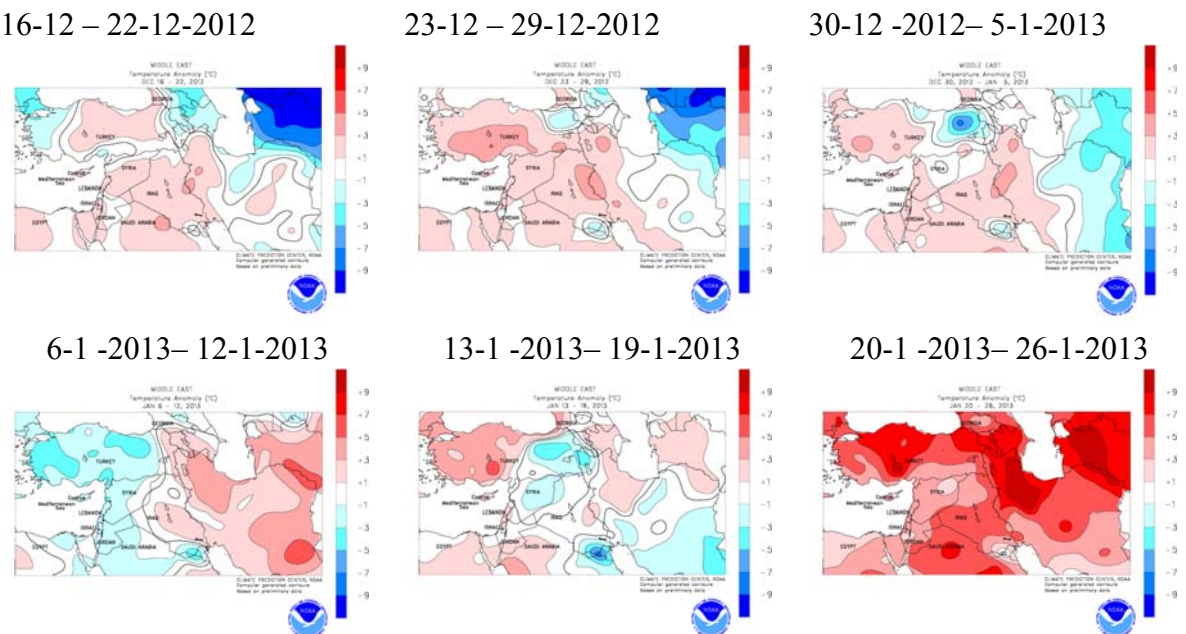


Figure 2. Temperature anomaly for recent weeks for Middle East (source: Climate Prediction Center, USA)

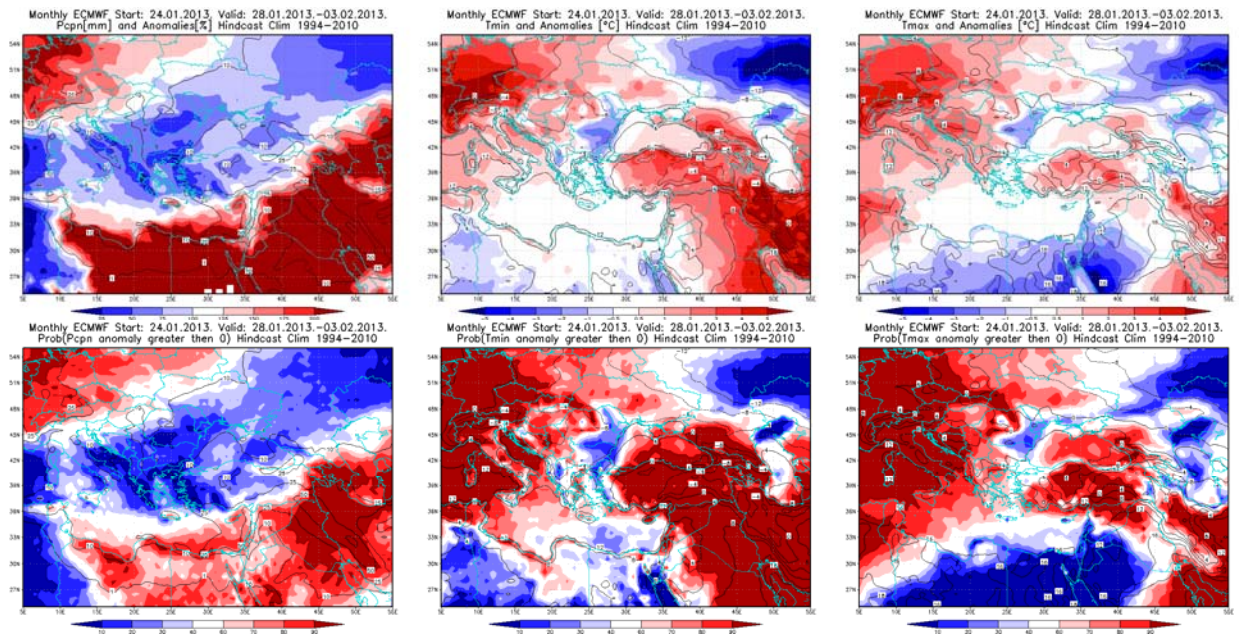


Figure 3. Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 28.01–03.02.2013 period

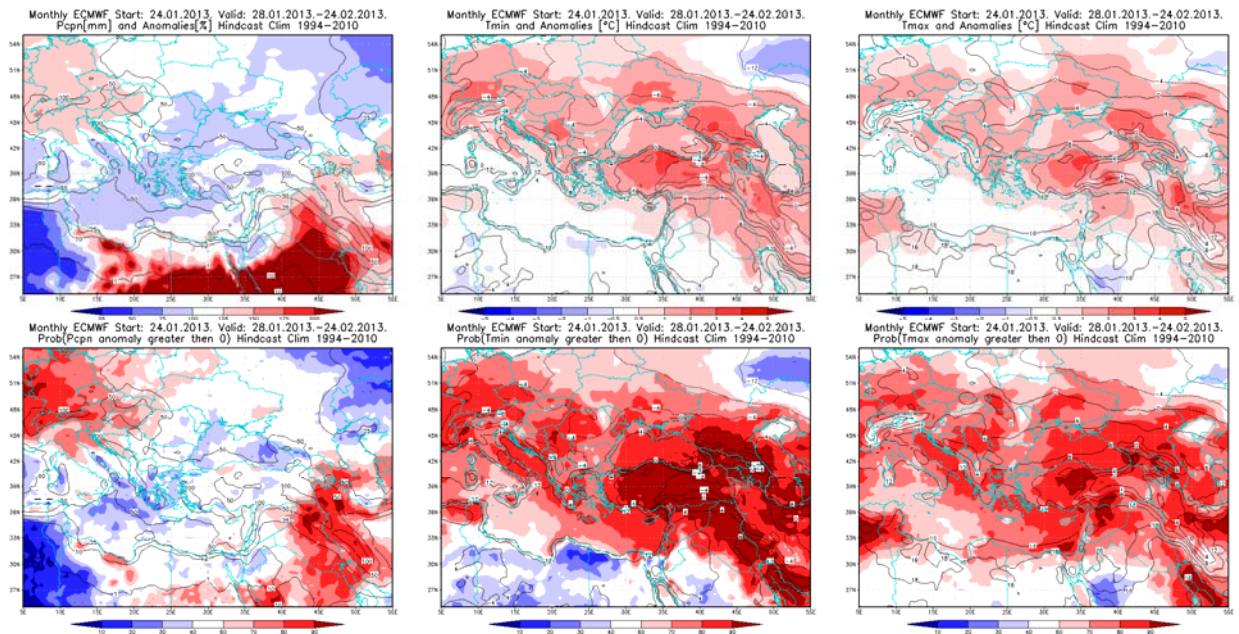


Figure 4. Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 28.01–24.02.2013 period

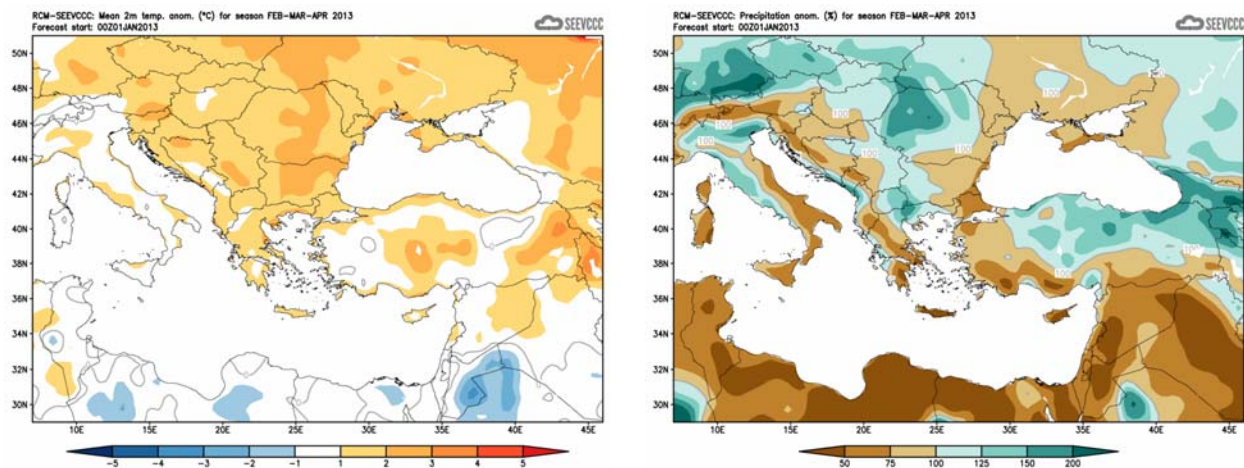


Figure 5. Mean seasonal temperature and precipitation anomaly for the season FMA (seasonal outlook of RCM – SEEVCCC)

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/>)