

Climate Watch (Serial No.: 20130121 – 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
Issued/ Amended / Cancelled	21-01-2013 12:00 P.M.	3	Very dangerous

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Valid from – to: 21-01-2013 – 03-02-2013 Next amendment: 28-01-2013

Region of concern: South-eastern Europe

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

„ Period with above normal temperature, with anomaly from +2 °C up to +5 °C in most of SEE region, with probability up to 90%. Surplus of precipitation (rainfall and snowfall) is expected in most part of region, while deficit is expected in northern and southern part of Turkey. The probability for these events is around 80%“.

Monitoring

In the period from 13th to 19th January in most part of SEE region mean temperature anomaly was above normal 1981-2010¹ from +1 °C up to +5 °C, in Macedonia and small part of Turkey up to +7 °C. In eastern Turkey anomaly was negative from -1 °C up to -5 °C. In coastal part of region precipitation up to 200 mm was registered. In some parts of Bulgaria, Romania, Macedonia, Greece, westernmost of Serbia, south Caucasus and most part of Turkey precipitation up to 10 mm was recorded.

Outlook

Within the first week (January 21st to 27th, 2013), ECMWF monthly forecast predicts in most part of SEE region temperature above normal, with anomaly from +2 °C up to +5 °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 northern and southern part of Turkey. The probability for these events is around 80%.

¹ Reference climatological period is the 1981-2010 period

During the second week (January 28th to February 3rd, 2013) temperature above normal, up to +4 °C, is expected in Turkey, south Caucasus, Greece, FYR of Macedonia, south Albania, southeastern Serbia and most part of Bulgaria, with probability up to 70%. Precipitation surplus is expected in most part of Turkey and south Caucasus, while deficit is expected in Croatia, Bosnia and Herzegovina, Serbia and Montenegro, with probability around 60%.

In the period from January 21st to February 17th, in most of the region temperature above normal, from +1 °C up to +4 °C, is expected, with probability around 80%. Surplus of precipitation, with probability around 70%, is expected in coastal region, western and easternmost of Turkey and in South Caucasus.

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 SEE region normal to dry weather is expected.

Update

An updated statement will be issued on 28-01-2013.

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ANNEX

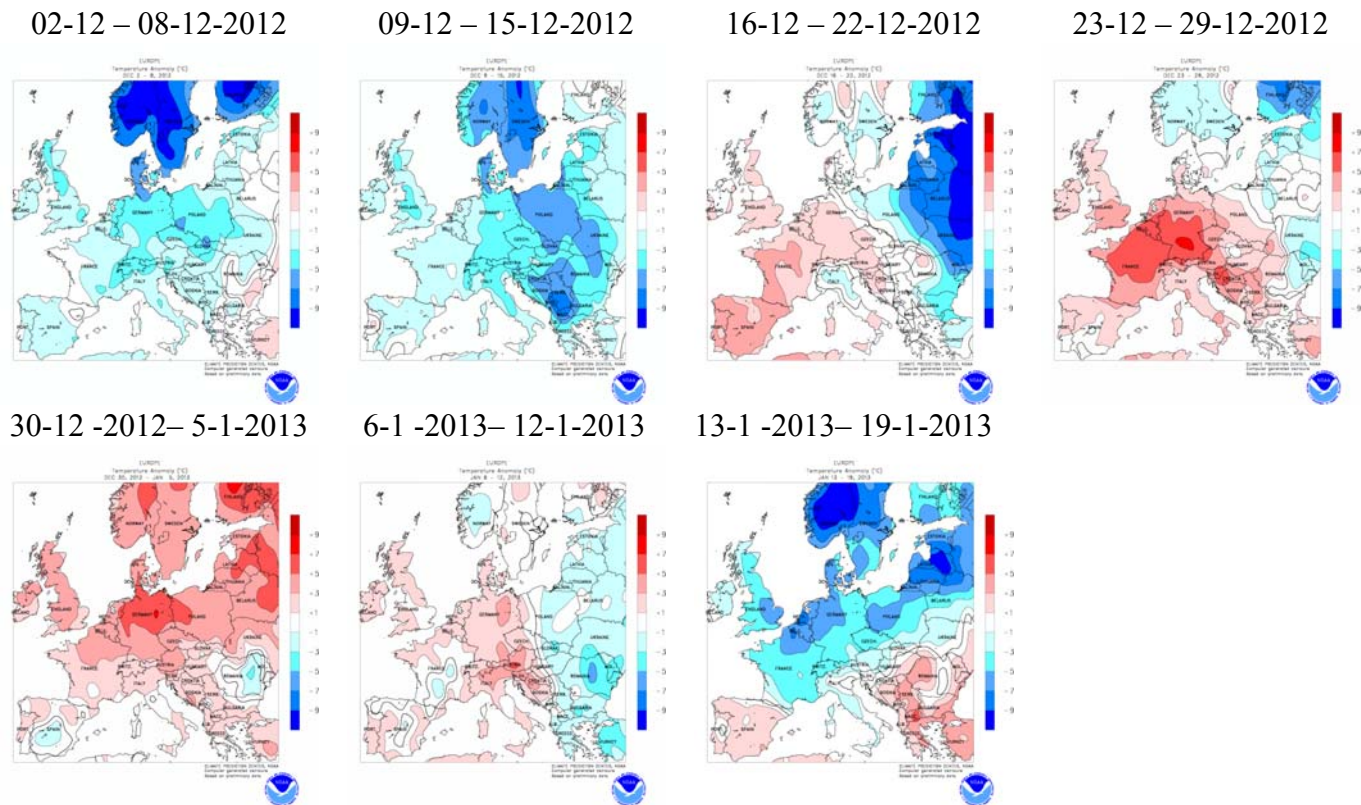


Figure 1. Temperature anomaly for recent weeks (source: Climate Prediction Center, USA)

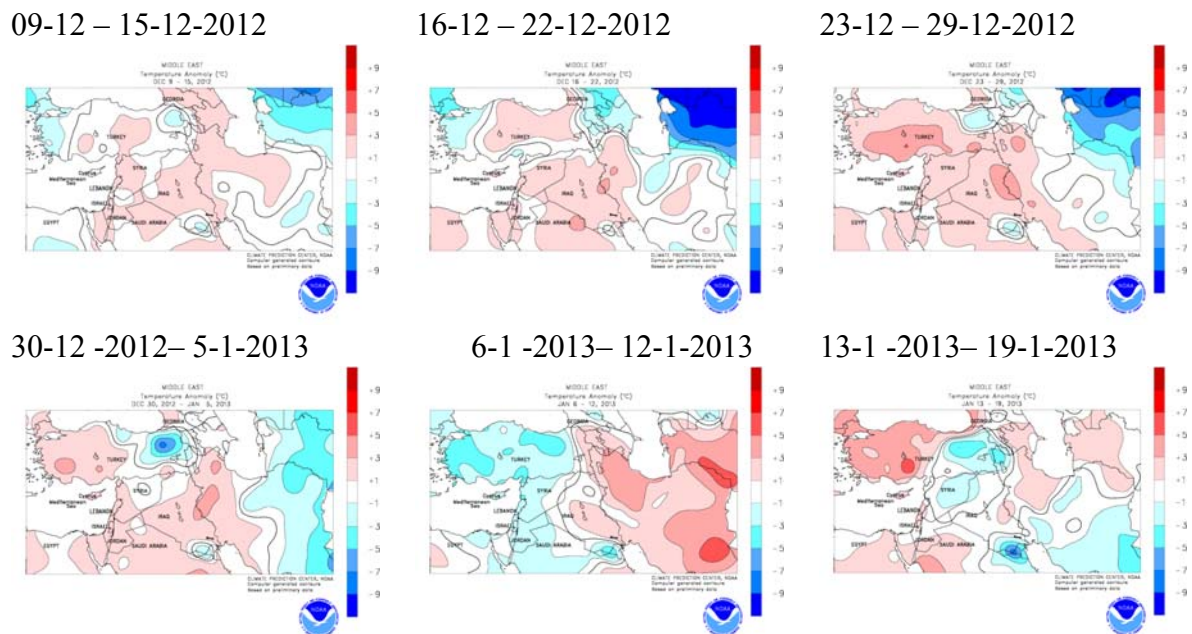


Figure 2. Temperature anomaly for recent weeks for Middle East (source: Climate Prediction Center, USA)

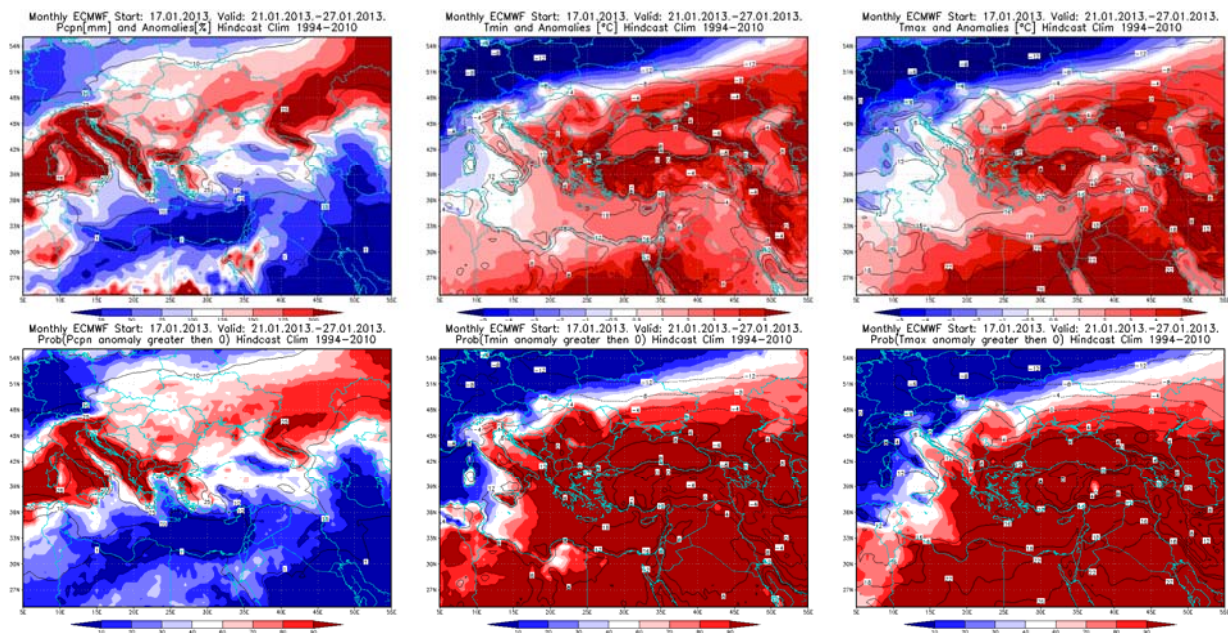


Figure 3. Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 21 –27.01.2013 period

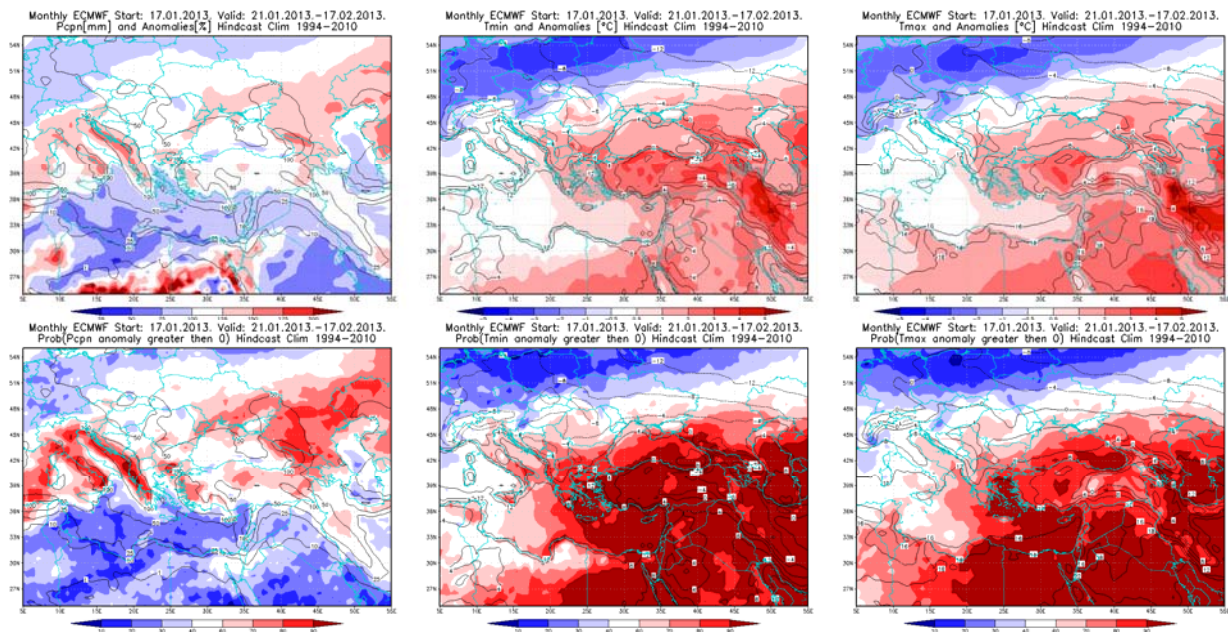


Figure 4. Outlook of the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 21.01– 17.02.2013 period

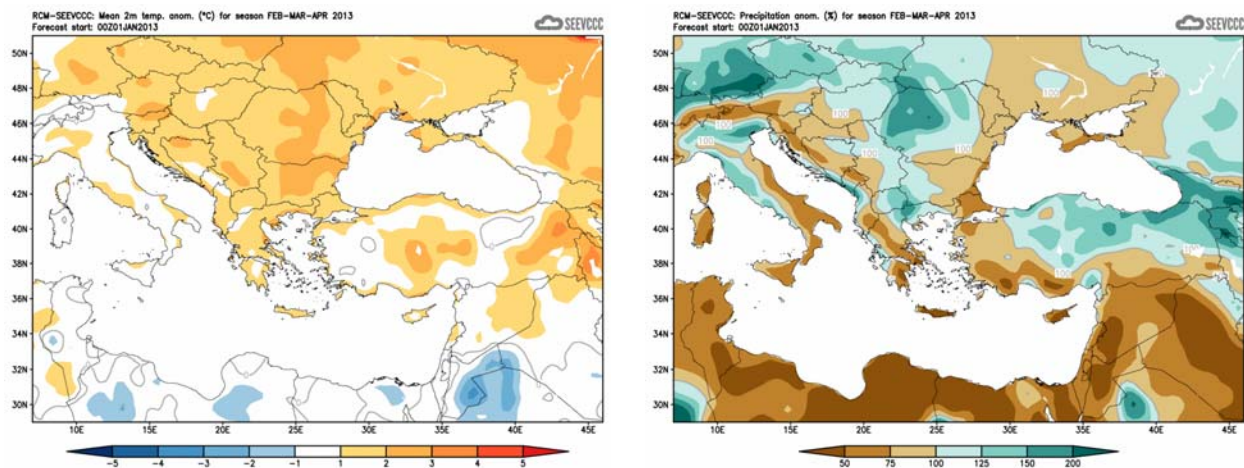


Figure 5. Mean seasonal temperature anomalies for the season FMA (seasonal outlook of RCM – SEEVCCC)

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/>)