Climate Watch (Serial No.: 20150209 – 00)

Initial/Updated/Final

Topic: precipitation

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 9-2-2015 12:00 P.M.

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Valid from – to: 9-2-2015 – 22-2-2015 Next amendment: 16-2-2015

Region of concern: South-Eastern Europe

„From February 9th to 15th, 2015, below normal mean weekly air temperature is expected in most part of the SEE region, with anomaly in a range from -1°C up to -4°C, in western Turkey falling even below -5°C. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected over most part of Turkey and Aegean Sea. Probability for exceeding upper tercile is up to 90%.“

Monitoring

In the period from February 1st to 7th, 2015 above normal air temperature[1] was registered over most part of the SEE region, with anomaly up to +9°C. Weekly precipitation sums, reaching 100 mm, were observed over most part of the Balkans. In Montenegro, Albania and western Greece weekly precipitation sums reached 200 mm.

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

Outlook

Within the first week (February 9th to 15th, 2015), ECMWF monthly forecast predicts below normal mean weekly air temperature in most part of the SEE region, with anomaly in a range from -1°C up to -4°C, in western Turkey falling even below -5°C. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected over most part of Turkey and Aegean Sea. Probability for exceeding upper tercile is up to 90%.

During the second week (February 16th to 22nd, 2015), below normal mean weekly air temperature is forecast for most of western Balkans, with anomaly up to -2°C, in central Turkey even up to -4°C. Probability for exceeding lower tercile is up to 80%. Precipitation surplus is expected over Aegean Sea, eastern Mediterranean and southern Turkey with less probability.

In the period from February 9th to March 8th, 2015, below normal mean weekly air temperature is forecast for most of western Balkans, with anomaly up to -2°C, in central Turkey even up to -3°C. Probability for exceeding lower tercile is around 70%. Precipitation surplus is expected over Aegean Sea and eastern Mediterranean. Probability for exceeding upper tercile is around 80%.

During the following three months (February, March and April) SEEVCCC seasonal forecast predicts above average air temperature over most part of the region. Precipitation surplus is predicted for northern Turkey, south Caucasus and western Romania as well as along the Adriatic coast.

Update

An updated statement will be issued on 16-2-2015

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

ANNEX

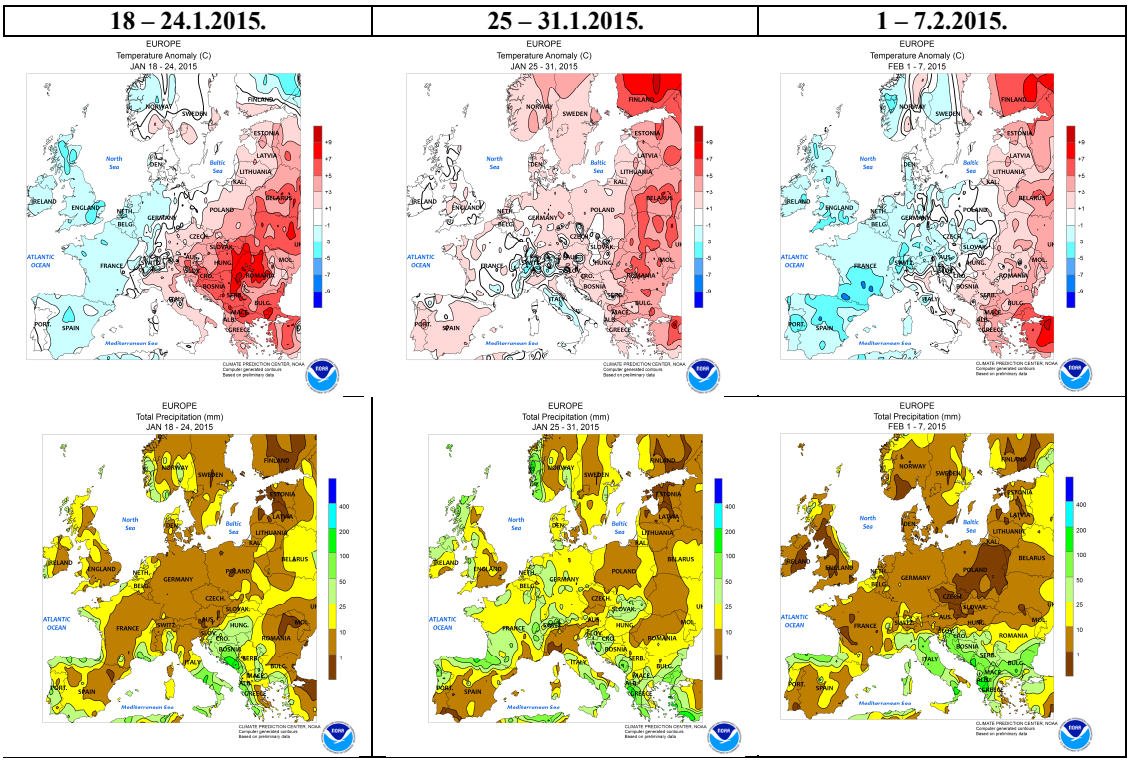

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

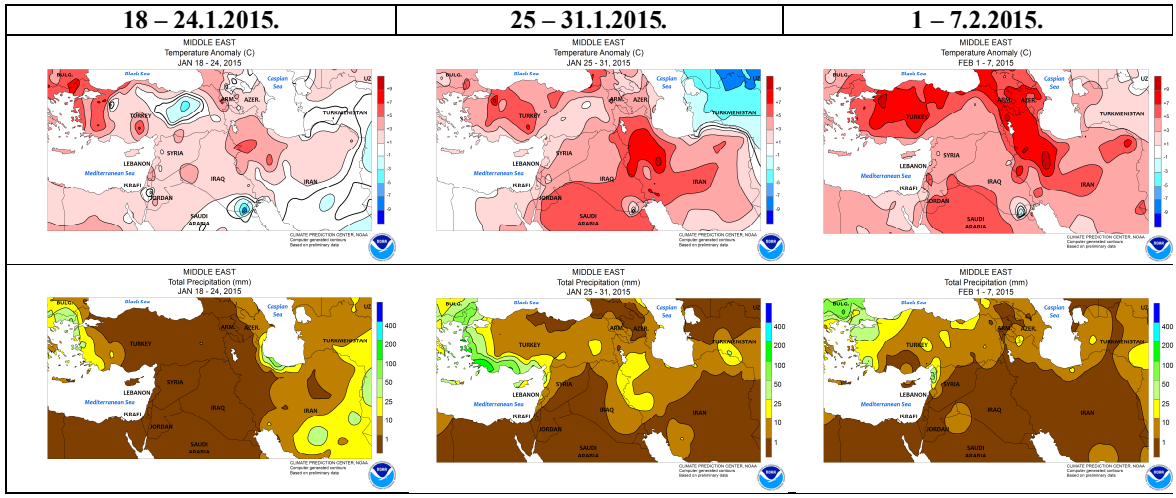

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

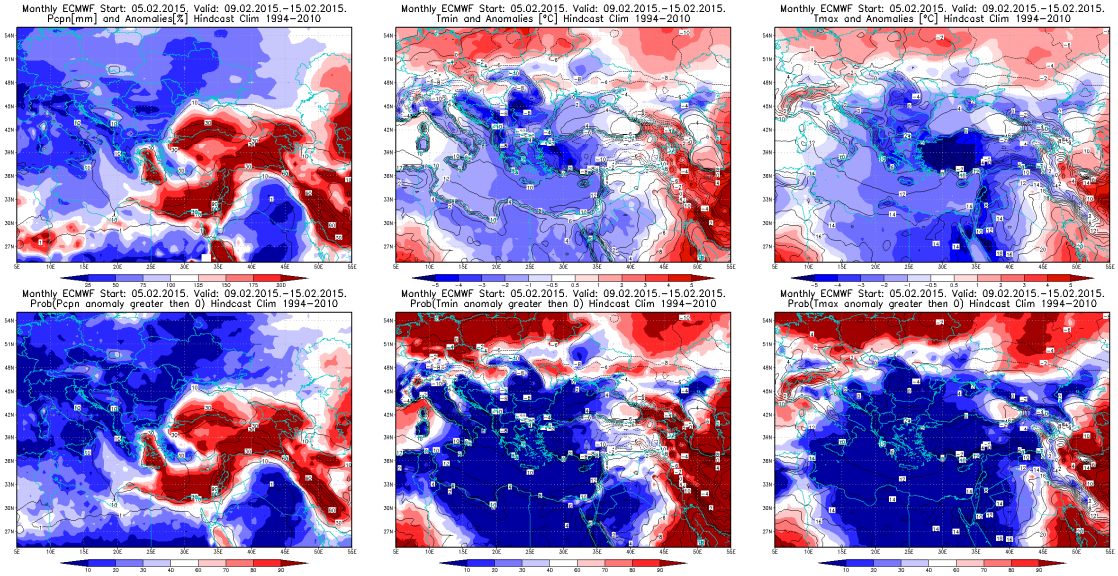

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 9 – 15.2.2015 period

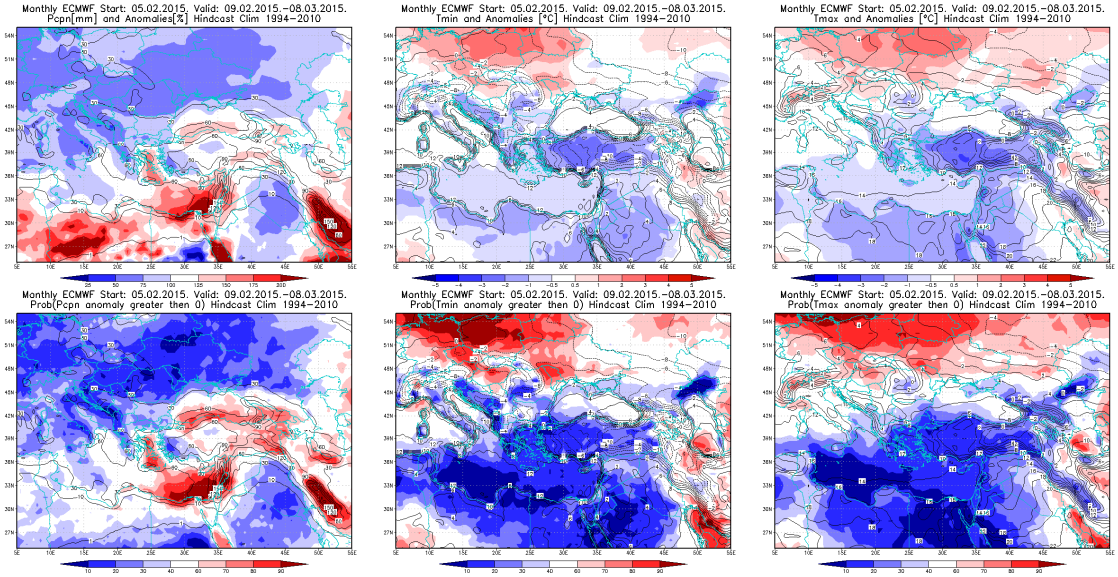

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 9.2 – 8.3.2015 period

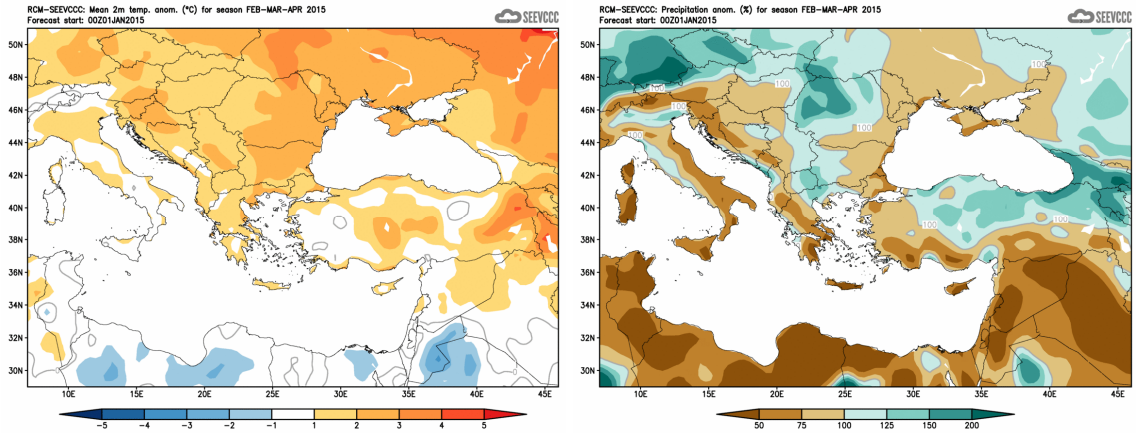

Figure 5. Mean seasonal temperature and precipitation anomaly for the season FMA (seasonal outlook from RCM – SEEVCCC)

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/)