Climate Watch (Serial No.: 20150119 – 00)

Initial/Updated/Final

Topic: precipitation
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 19-1-2015 12:00 P.M.

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Valid from – to: 19-1-2015 – 2-2-2015 Next amendment: 16-1-2015

Region of concern: South-Eastern Europe

„From January 19th to 25th, 2015, above normal mean weekly air temperature, with anomaly up to +5°C, is forecast for most part of SEE region. Probability for exceeding upper tercile is around 90%. Precipitation surplus is expected along Adriatic coast, in southern and eastern Balkans and western Turkey, with 90% probability for exceeding upper tercile.“

Monitoring

In the period from January 11th to 17th, 2015 above normal air temperature[1] was registered over most part of SEE region, with anomaly up to +7°C. Weekly precipitation sums, reaching 100 mm, were observed in Turkey and eastern Mediterranean.

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

Outlook

Within the first week (January 19th to 25th, 2015), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +5°C over most part of SEE region. Probability for exceeding upper tercile is around 90%. Precipitation surplus is expected along Adriatic coast, in southern and eastern Balkans and western Turkey. Probability for exceeding upper tercile is around 90%.

During the second week (January 26th to Febuary 2nd, 2015), above normal mean weekly air temperature, with anomaly up to +2°C, is forecast for most part the region. Probability is above 70%. Precipitation surplus is expected over costal part of Adriatic and Ionian Sea with less probability.

In the period from January 19th to February 15th, 2015, above normal mean monthly air temperature, with anomaly up to +2°C, is expected over most part of SEE region, with around 70% probability for exceeding upper tercile. Precipitation surplus is expected along Adriatic coast, in southern and eastern Balkans and western Turkey. Probability for exceeding upper tercile is up to 90%.

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 26-1-2015

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

ANNEX

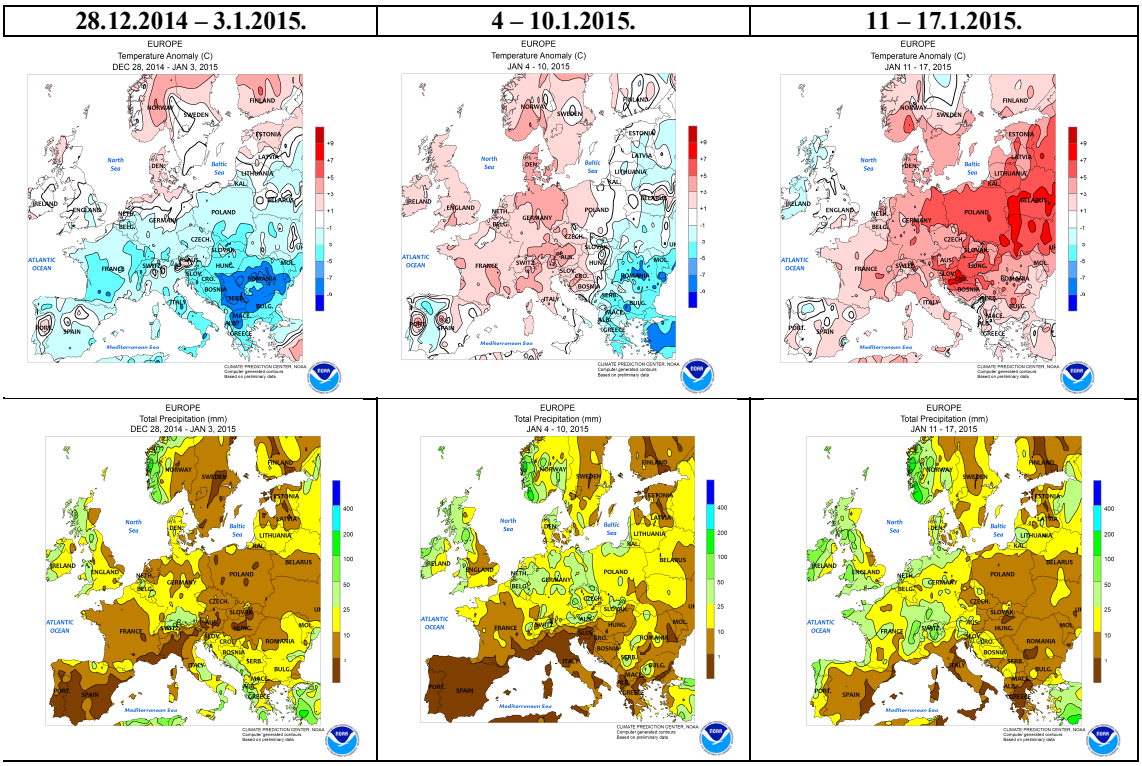

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

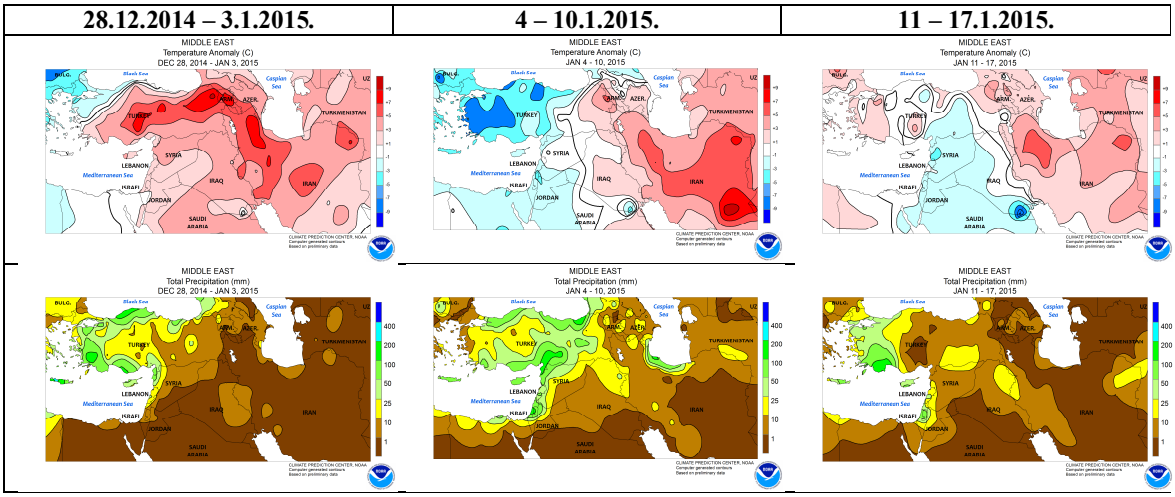

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

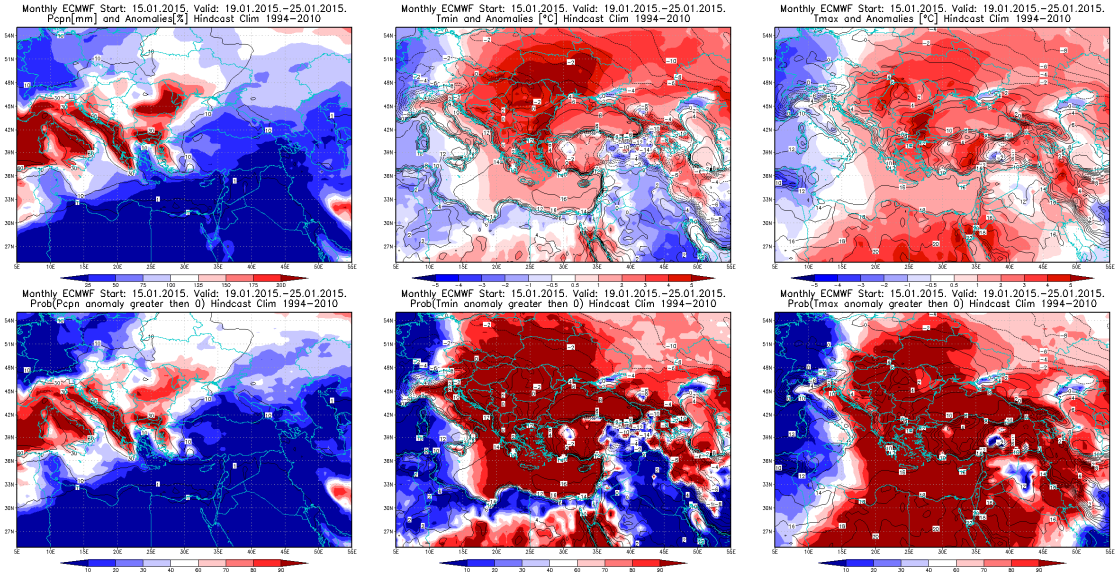

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 19 – 25.1.2015 period

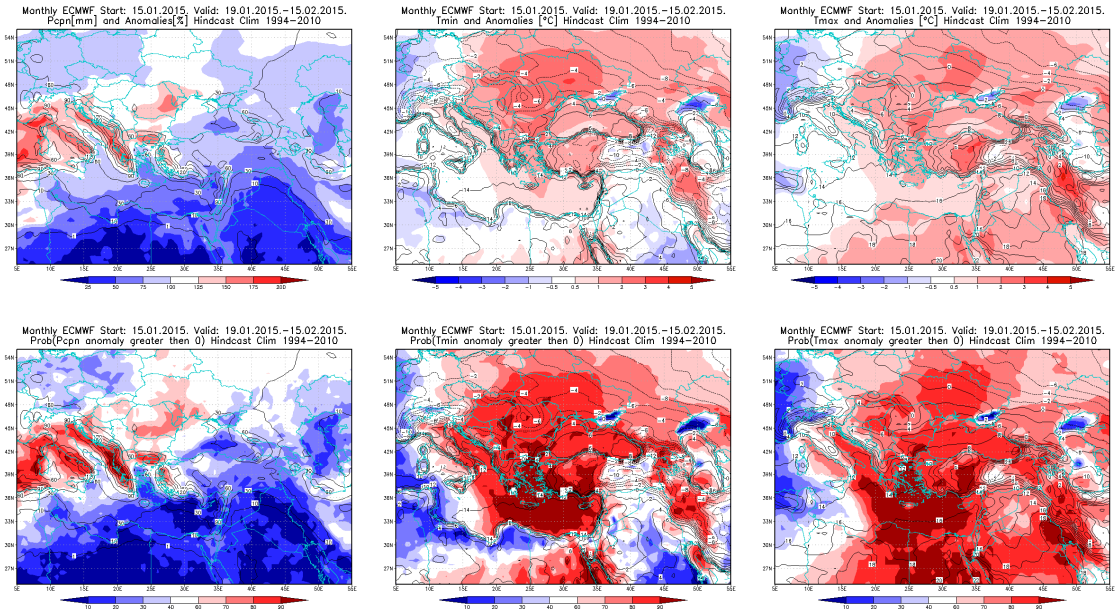

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 19.1 – 15.2.2015 period

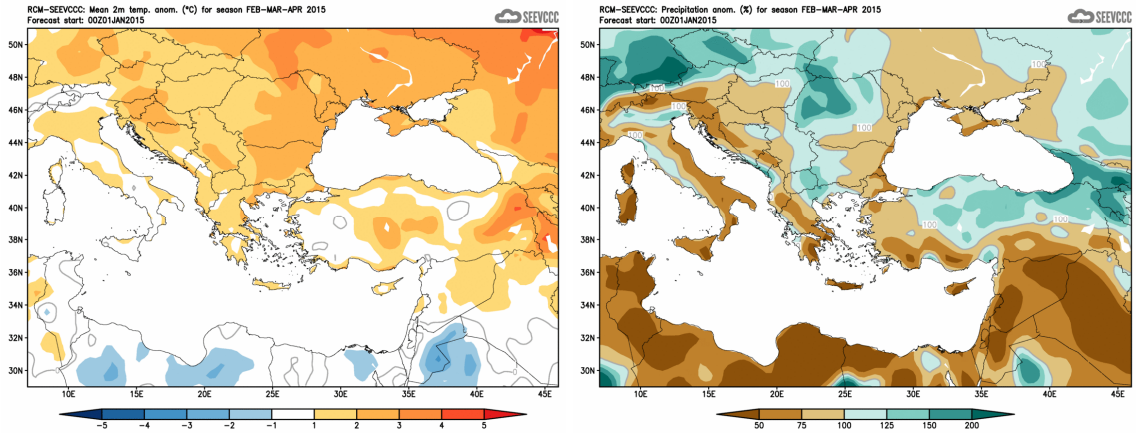

Figure 5. Mean seasonal temperature and precipitation anomaly for the season FMA (seasonal outlook from RCM – SEEVCCC)

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/)