Climate Watch (Serial No.: 20150105 – 00)

Initial/Updated/Final

Topic: precipitation
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 5-1-2015 12:00 P.M.

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Valid from – to: 5-1-2015 – 18-1-2015 Next amendment: 12-1-2015

Region of concern: South-Eastern Europe

„From January 5th to 15 th, 2015, below normal mean weekly air temperature, with anomaly up to -5°C is forecast for the SEE region. Probability for exceeding lower tercile is around 90%. Precipitation surplus is expected over central Balkans, Carpathians, Aegean Sea, Turkey, Cyprus, south Caucasus and eastern Mediterranean Sea with around 90% probability for exceeding upper tercile.“

Monitoring

In the period from December 28th 2014 to January 3th, 2015 below normal air temperature[1] was registered over Balkans and northwestern Turkey, with anomaly up to -9°C, while in the rest of SEE region above normal air temperature, with anomaly up to +9°C was observed. Weekly precipitation sums, reaching 200 mm, were observed along the coasts of south Adriatic, Ionian, south Aegean, south Black and east Mediterranean Sea. Over the other parts of the SEE region weekly precipitation sums were below 25 mm.

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

Outlook

Within the first week (January 5th to 11th, 2015), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly up to -5°C in SEE region, with exception of northwestern Balkans. Probability for exceeding lower tercile is around 90%. Precipitation surplus is expected over central Balkans, Carpathians, Aegean Sea, Turkey, Cyprus, south Caucasus and eastern Mediterranean Sea with 90% probability for exceeding upper tercile.

During the second week (January 12th to 18th, 2015), below normal mean weekly air temperature, with anomaly up to -3°C, is forecast for Turkey, central and eastern Balkan. Probability for exceeding lower tercile is from 60% over Balkans up to 80% over central Turkey. Above normal mean weekly air temperature, with anomaly up to +3°C and probability for exceeding upper tercile up to 60%, is expected over northwestern Balkans and south Caucasus. Precipitation surplus is expected over Turkey and Cyprus with up to 60% probability for exceeding upper tercile.

In the period from January 5th to February 1st, 2015, below normal mean monthly air temperature, with anomaly up to -3°C, is expected over Carpathians, central Balkans and Turkey, with up to 90% probability for exceeding lower tercile over central Turkey. Precipitation surplus is expected over central Balkans, Carpathians, Aegean Sea and Turkey with up to 90% probability for exceeding upper tercile.

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

Update

An updated statement will be issued on 12-1-2015

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

ANNEX

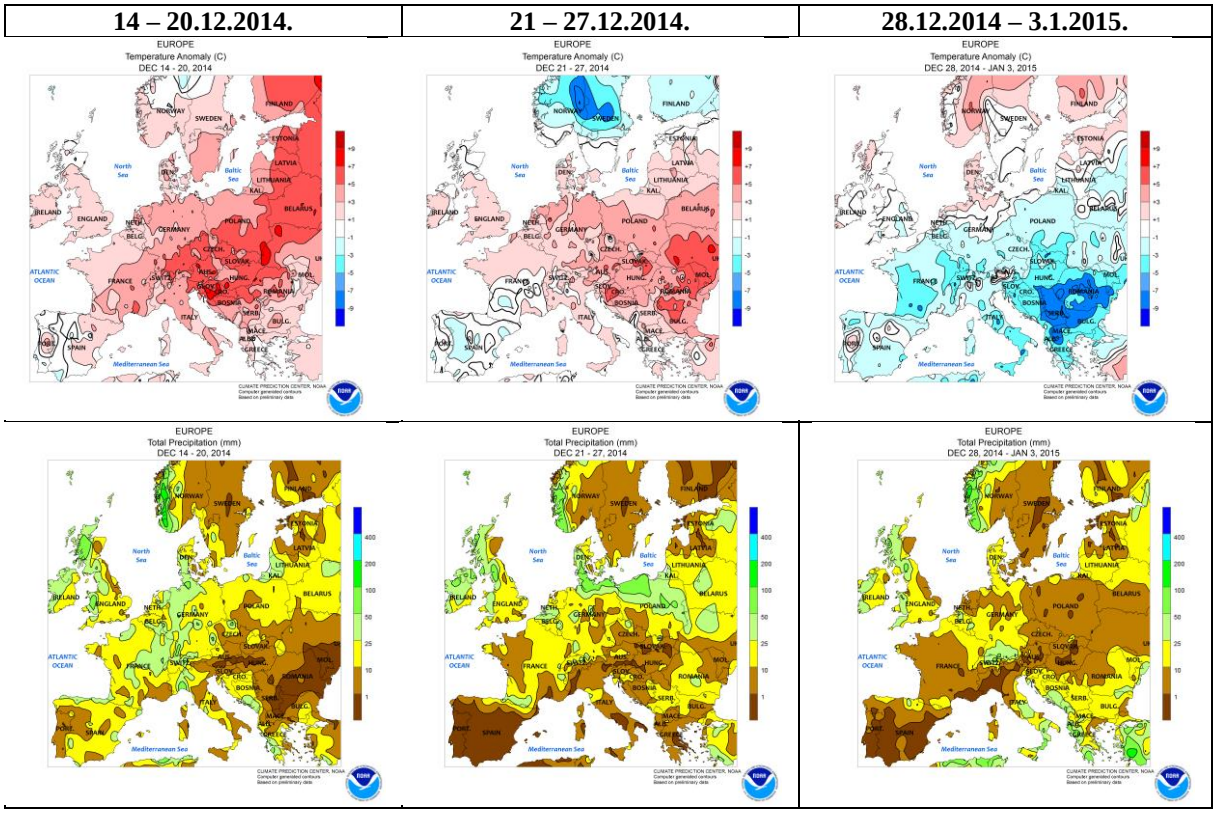

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

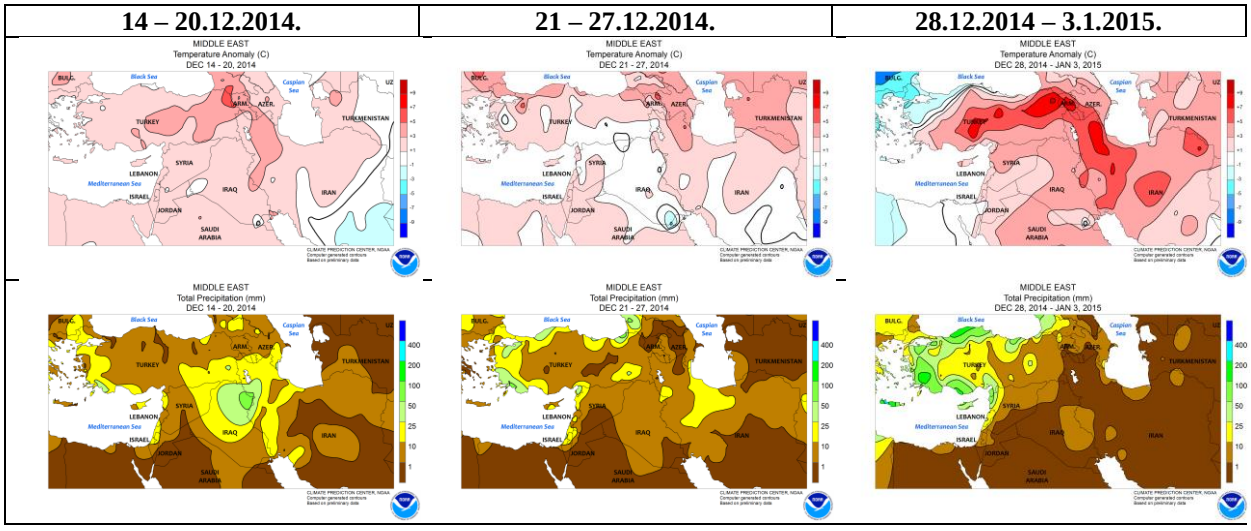

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

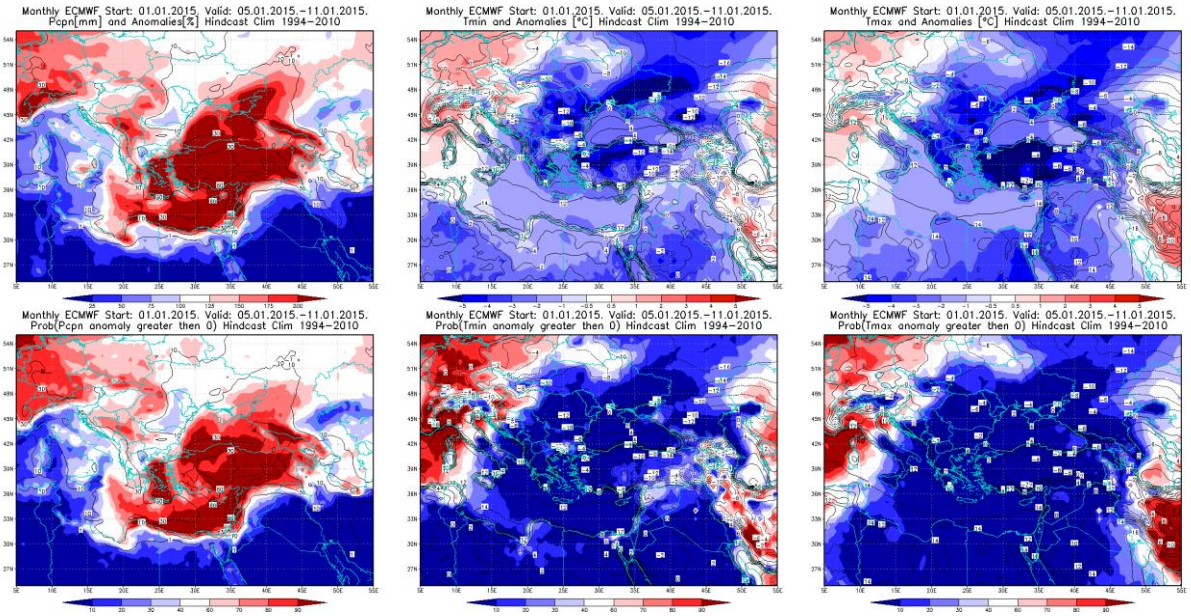

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 5 – 11.1.2015 period

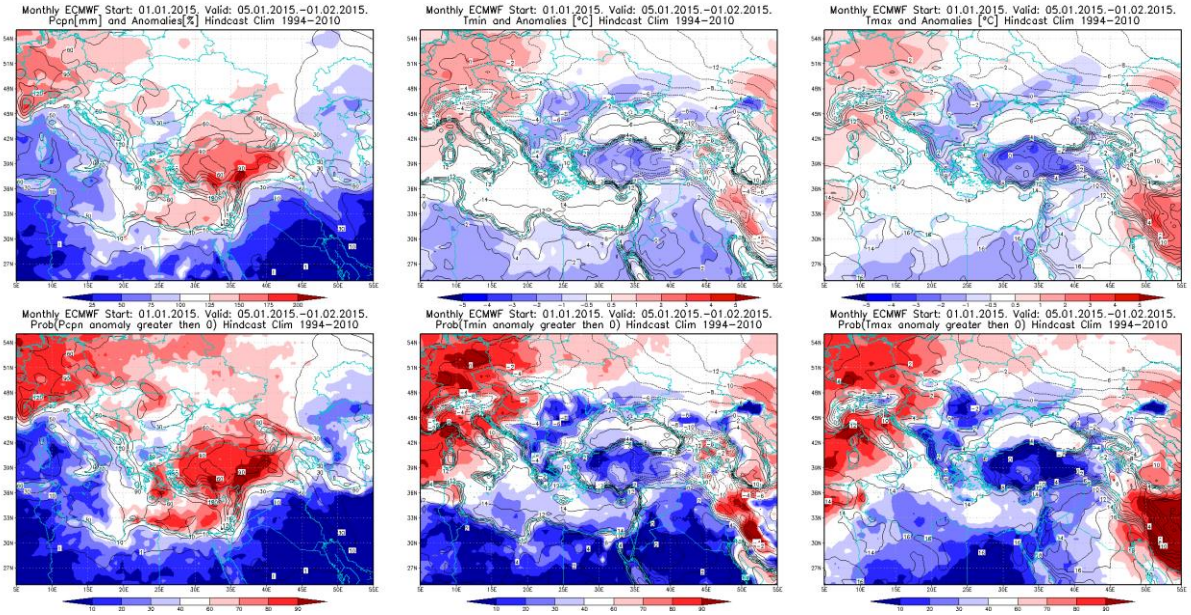

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 5.1 – 1.2.2015 period

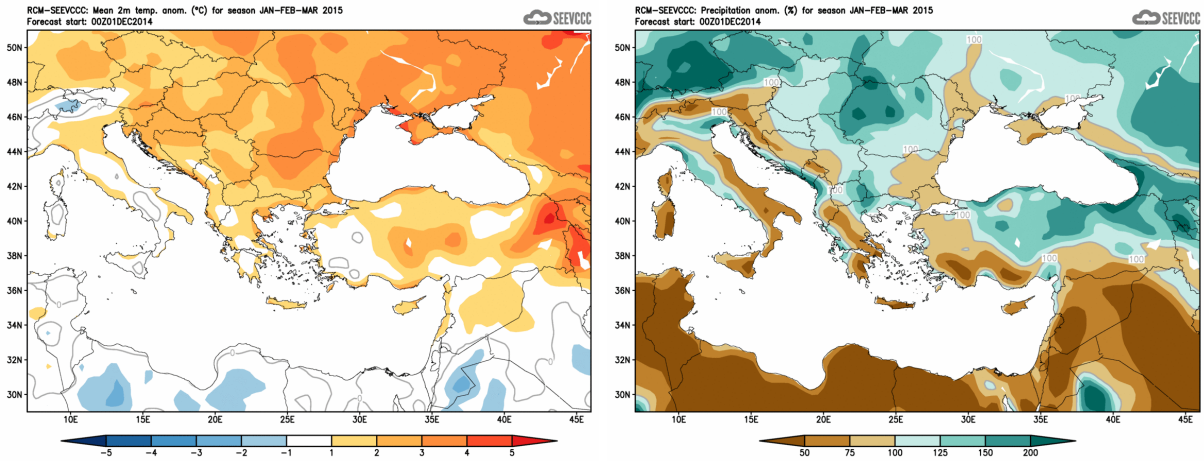

Figure 5. Mean seasonal temperature and precipitation anomaly for the season JFM (seasonal outlook from RCM – SEEVCCC)

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/)