Climate Watch (Serial No.: 20150302 – 00)

Initial/Updated/Final

Topic: precipitation
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 2-3-2015 12:00 P.M.

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Region of concern: South-Eastern Europe

„From March 2nd to 8th, 2015, precipitation surplus is expected over most part of the SEE region, with around 80% probability for exceeding upper tercile.

Monitoring

In the period from February 22nd to 28th, 2015 above normal air temperature[1] with anomaly up to +7°C was registered in the SEE region. Weekly precipitation sums, reaching 200 mm, were observed in coastal areas, along Adriatic, Ionian and Aegean Sea.

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

Outlook

Within the first week (March 2nd to 8th, 2015), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly up to -3°C, over most of the Balkans and southernmost Turkey. Above normal temperature, with anomaly up to +3°C is expected in central and eastern Turkey, south Caucasus and Moldova. Probability for exceeding lower/upper tercile is up to 90%. Precipitation surplus is expected over most part of the SEE region, with around 80% probability for exceeding upper tercile.

During the second week (March 9th to 15th, 2015), below normal mean weekly air temperature is forecast for most the SEE, with anomaly up to -3°C. Probability for exceeding lower tercile is around 80%. Precipitation surplus is expected in Aegean and Ionian Sea with up to 60% probability for exceeding upper tercile.

In the period from March 2nd to 29th, 2015, below normal mean monthly air temperature is forecast for the Balkans, with anomaly up to -2°C. Probability for exceeding lower tercile is around 60%. Average amount of precipitation is forecasted for this period.

During the following three months (March, April and May) SEEVCCC seasonal forecast predicts average air temperature over most part of the SEE region. Precipitation surplus is predicted for Carpathian region, northeastern Turkey and south Caucasus, while deficit is expected over southern Aegean Sea and Cyprus.

Update

An updated statement will be issued on 9-3-2015

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

ANNEX

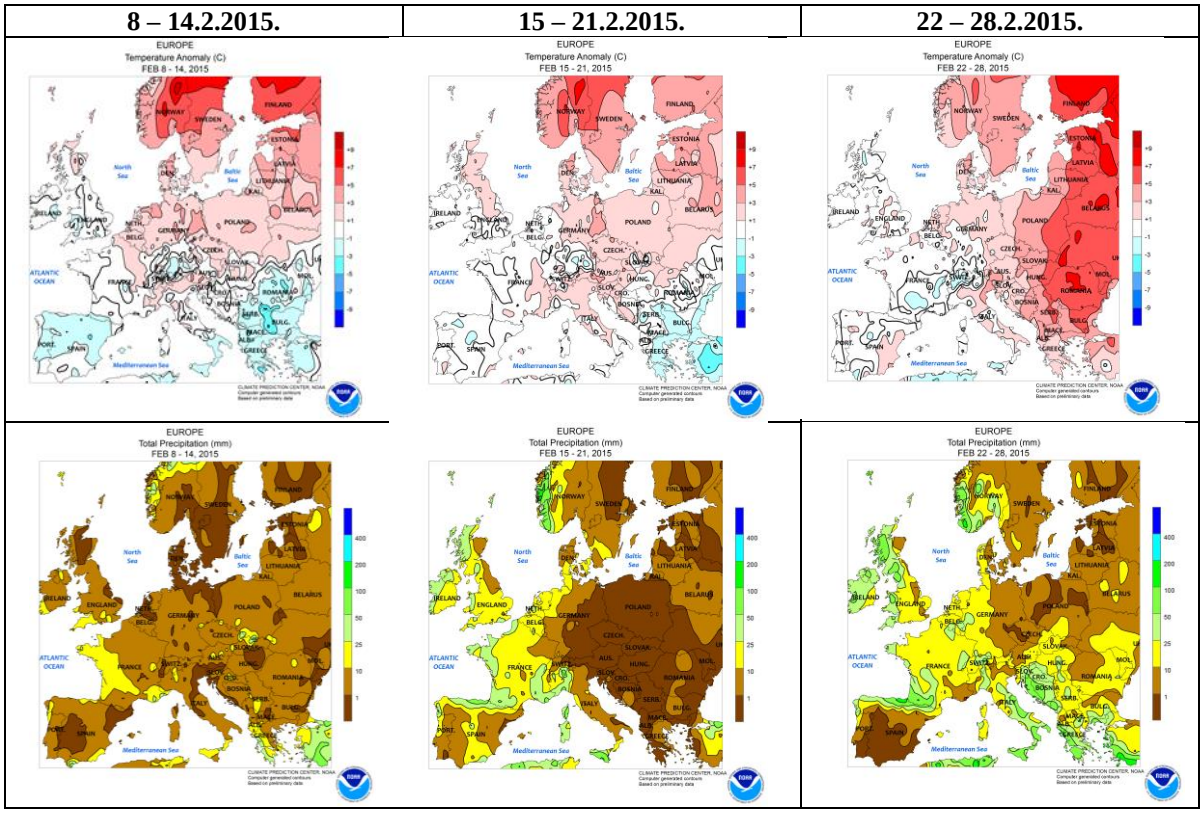

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

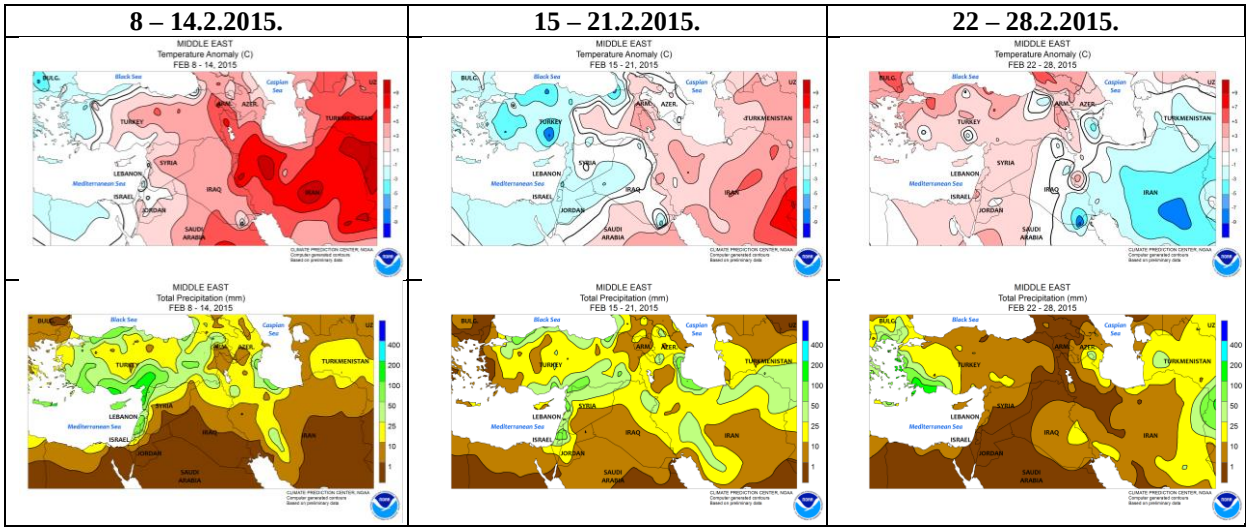

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

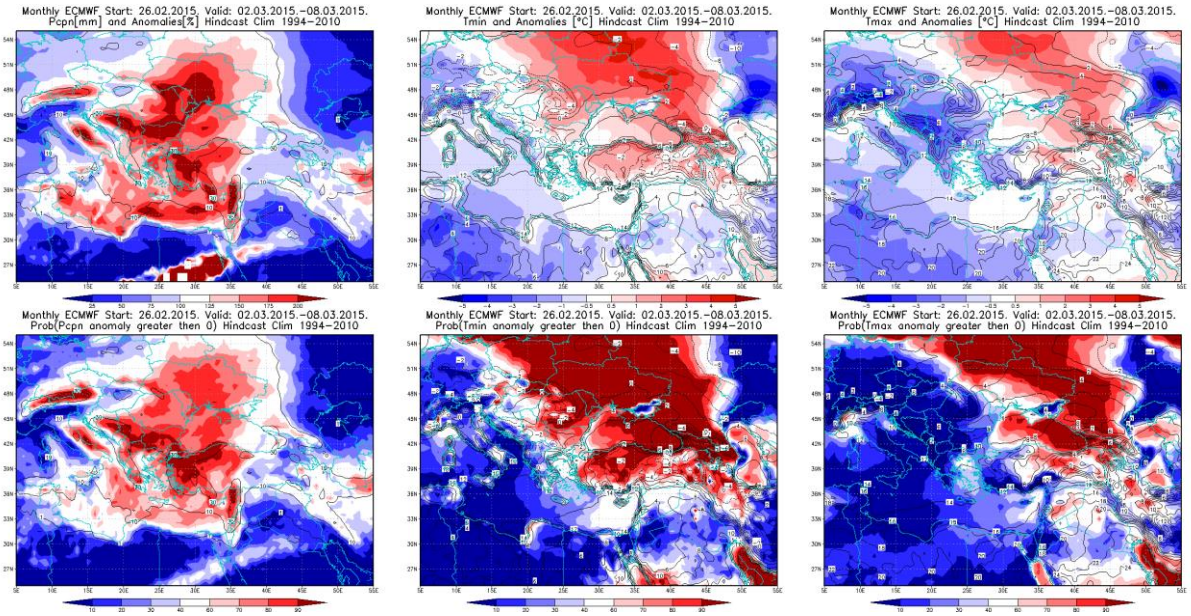

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 2 – 8.3.2015 period

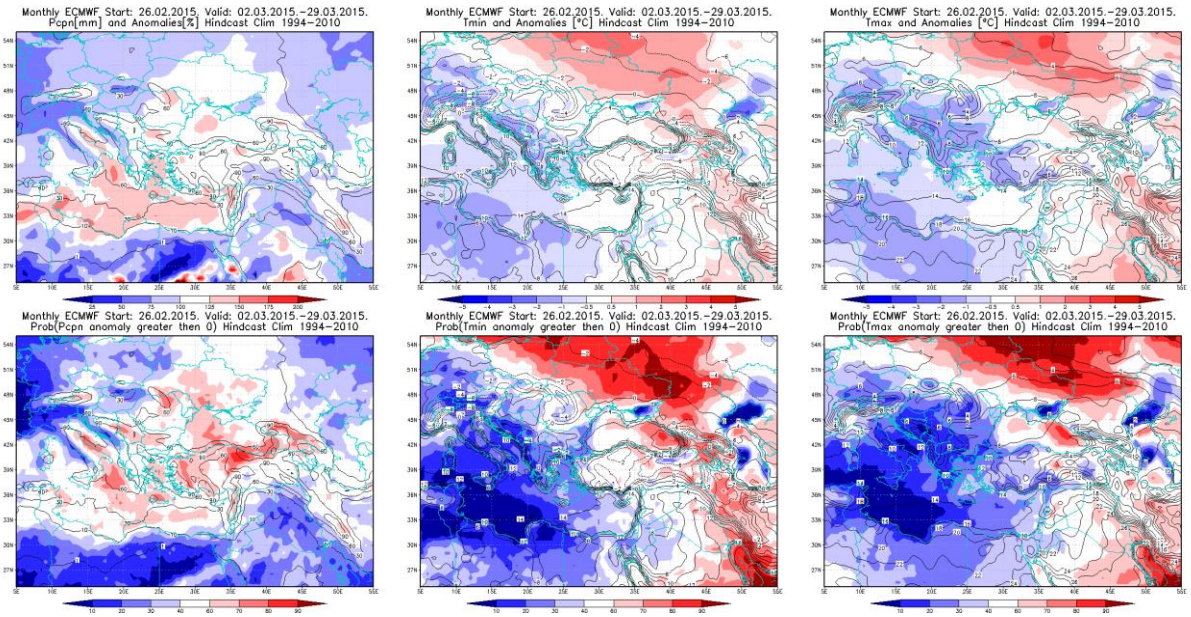

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 2 – 29.3.2015 period

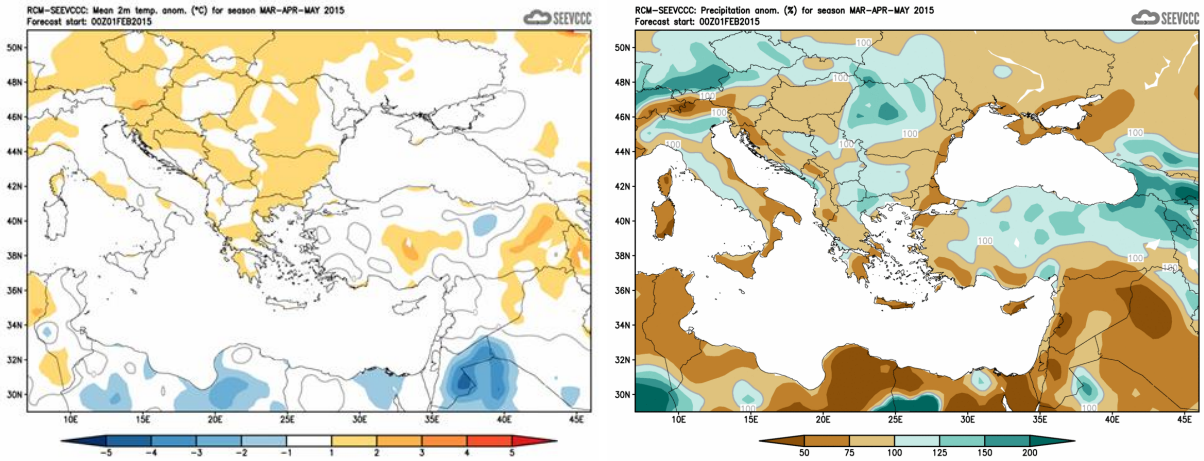

Figure 5. Mean seasonal temperature and precipitation anomaly for the season MAM (seasonal outlook from RCM – SEEVCCC)

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/)