Climate Watch (Serial No.: 20150309 – 00)

Initial/Updated/Final

Topic: precipitation
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 9-3-2015 12:00 P.M.

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Valid from – to: 9-3-2015 – 22-3-2015 Next amendment: 16-3-2015

Region of concern: Aegean Sea, Turkey, south Caucasus and Middle East

„From March 9th to 15th, 2015, precipitation surplus is expected over southern Aegean region, south Caucasus, Middle East, central and eastern Turkey, with up to 90% probability for exceeding upper tercile. "

Monitoring

In the period from March 1st to 7th, 2015 above normal air temperature[1] with anomaly up to +5°C was registered in most parts of the SEE region. Weekly precipitation sums, reaching 100 mm, were observed over most part of the Balkans, while in other parts of the SEE region they were below 25 mm.

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

Outlook

Within the first week (March 9th to 15th, 2015), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly up to -4°C, over most of the Balkans, western Turkey and easternmost part of south Caucasus. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected over southern Aegean region, south Caucasus, Middle East, central and eastern Turkey, with up to 90% probability for exceeding upper tercile.

During the second week (March 16th to 22nd, 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 70% for the Aegean region and up to 90% for the south Caucasus. Precipitation surplus is expected over southern Aegean and Ionian Sea, with up to 60% probability for exceeding upper tercile.

In the period from March 9th to April 5th, 2015, below normal mean monthly air temperature is forecast for most of the Balkans, western Turkey and easternmost part of south Caucasus, with anomaly up to -2°C. Probability for exceeding lower tercile is around 70% for the Aegean region and up to 90% for the easternmost part of south Caucasus. Precipitation surplus is expected over southern Aegean region and Middle East, with around 70% probability for exceeding upper tercile.

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 16-3-2015

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

ANNEX

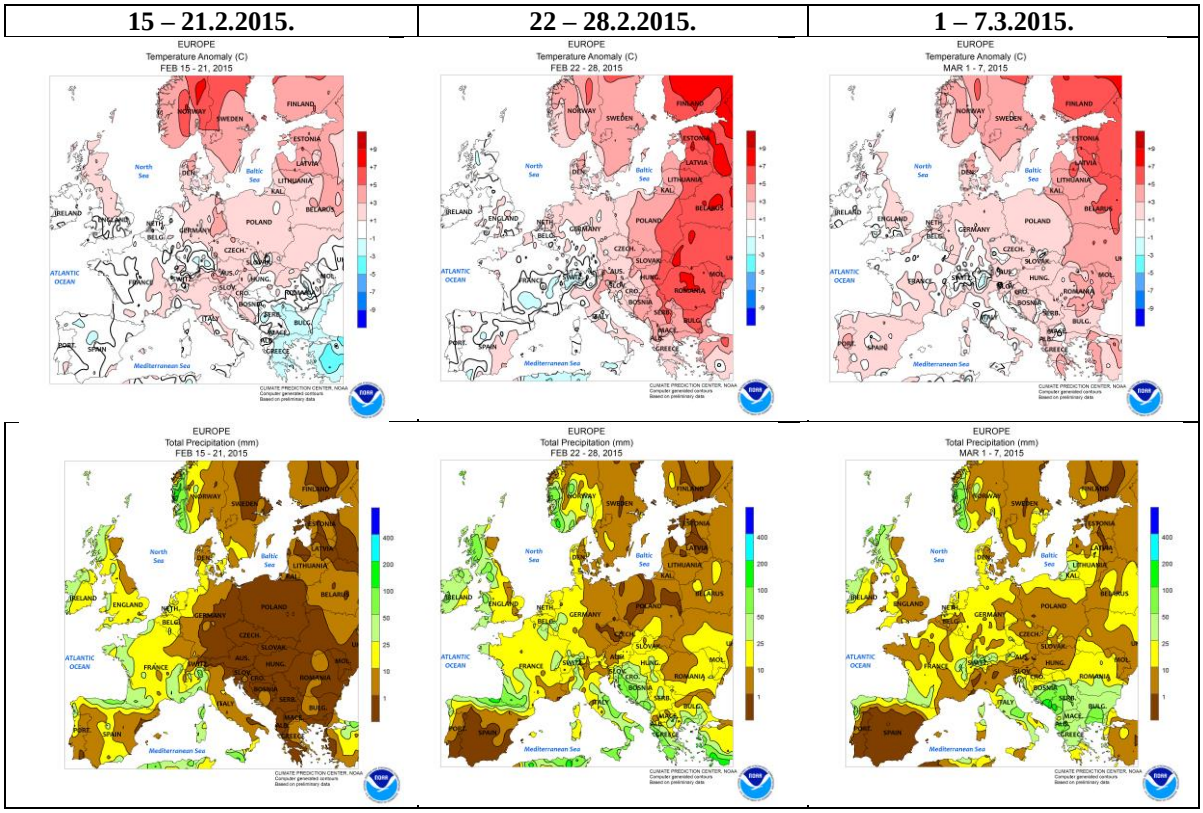

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

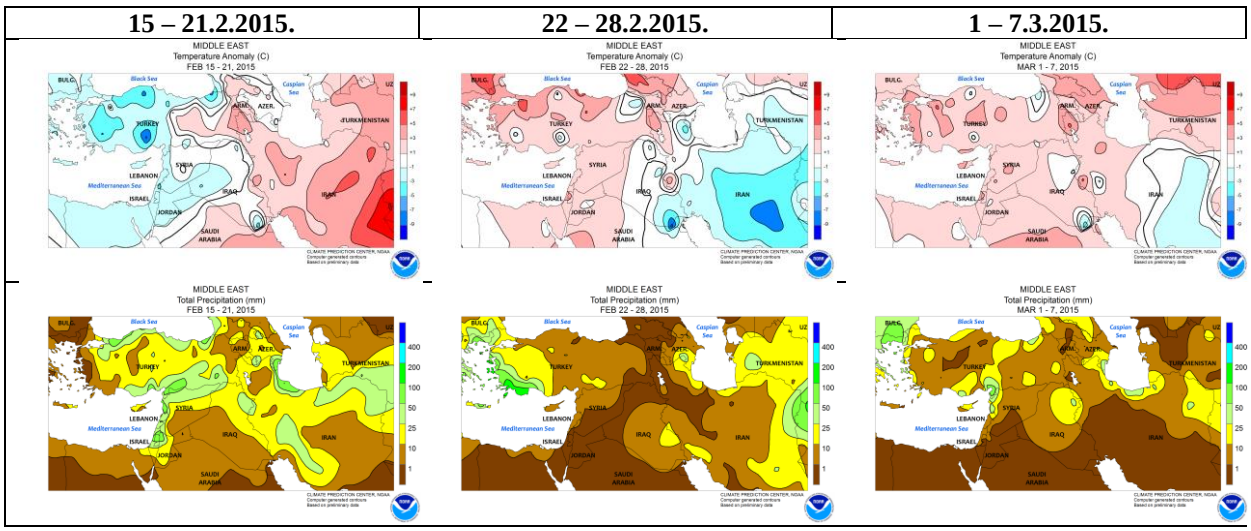

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

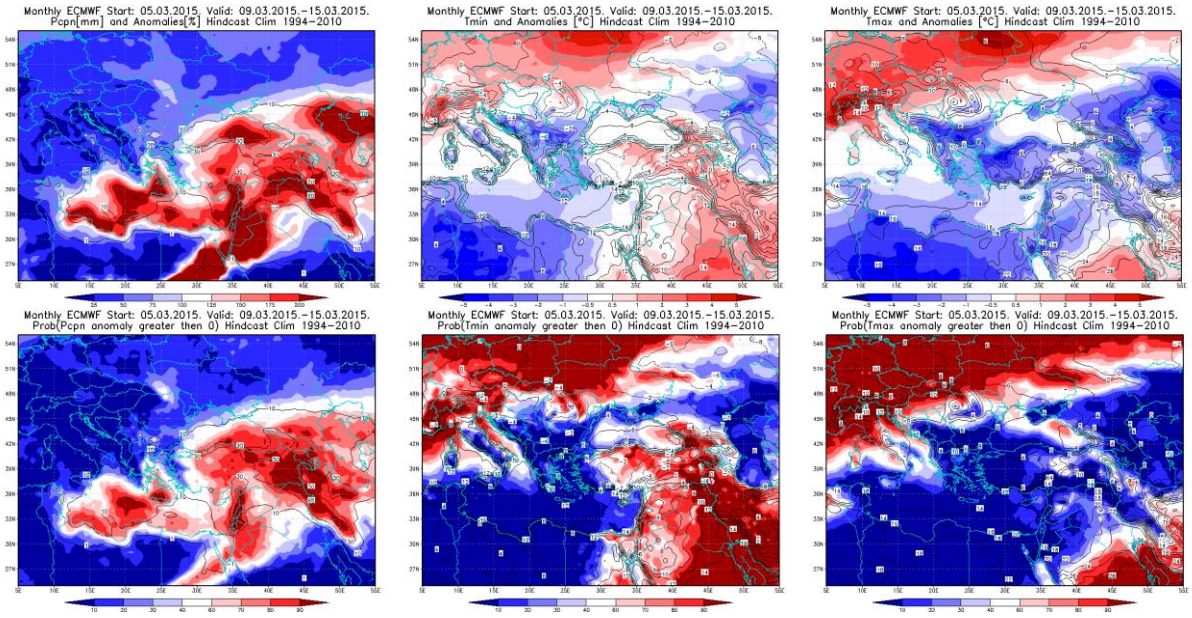

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 9 – 15.3.2015 period

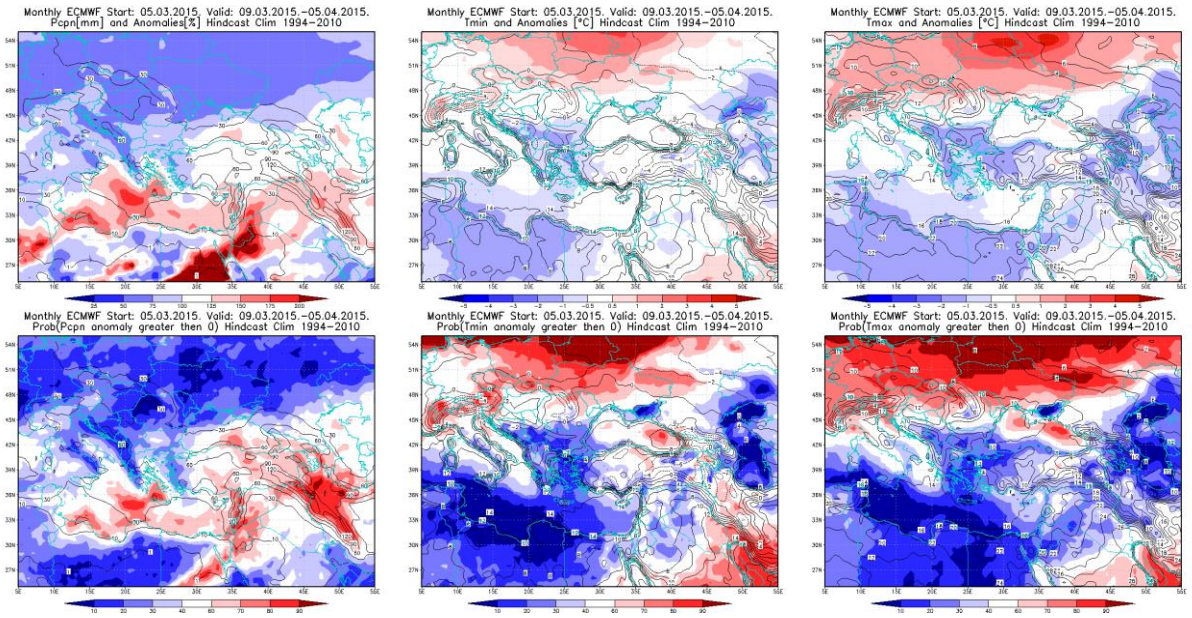

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 9 – 5.4.2015 period

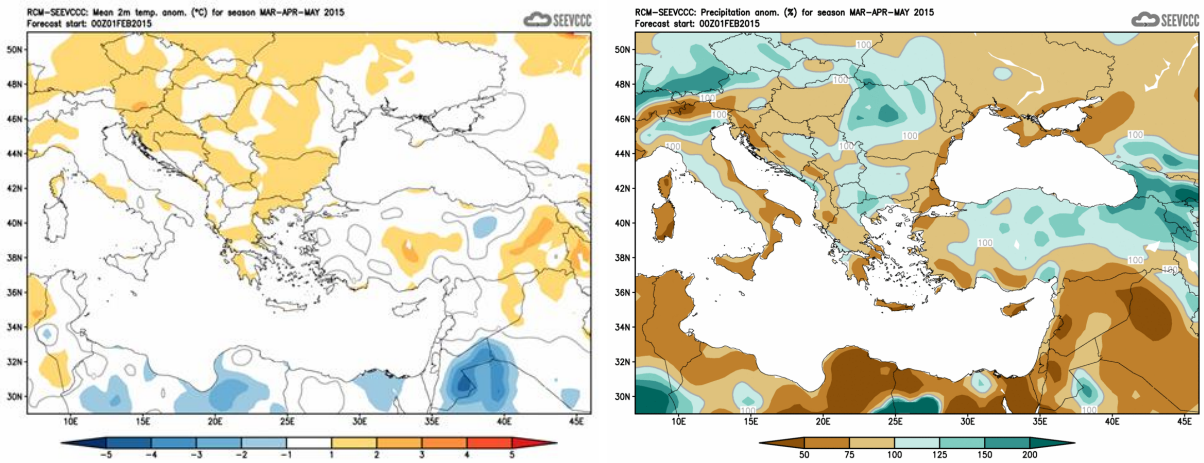

Figure 5. Mean seasonal temperature and precipitation anomaly for the season MAM (seasonal outlook from RCM – SEEVCCC)

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/)