Climate Watch (Serial No.: 20160307 – 00)

Initial/Updated/Final

Topic: precipitation
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 7-3-2016 12:00 P.M.

Contact: E-mail: cws-seevccc@hidmet.gov.rs
Phone: +381112066925
Fax: +381112066929

Valid from – to: 7-3-2016 – 20-3-2016 Next amendment: 14-3-2016

Region of concern: the Balkans

„In the period from March 7th to 13th, above normal mean weekly air temperature is expected, with anomaly ranging from +1°C in the western Balkans to above +5°C in Ukraine, south Caucasus, northern Turkey and Romania. Probability for exceeding upper tercile is above 90% in most of the region. Precipitation surplus is predicted in central and southern Balkans, with above 80% probability for exceeding upper tercile.“

Monitoring

In the period from February 28th to March 5th 2016, above normal air temperature[1] was registered in the entire region, with anomaly ranging from +1°C to +9°C. Weekly precipitation sums were up to 100 mm in Croatia, Bosnia and Herzegovina, Montenegro and western Turkey.

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

Outlook

Within the first week (March 7th to 13th, 2016), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly ranging from +1°C in the western Balkans to above +5°C in Ukraine, south Caucasus, northern Turkey and Romania. Probability for exceeding upper tercile is above 90% in most of the region. Precipitation surplus is predicted in central and southern Balkans, with above 80% probability for exceeding upper tercile.

During the second week (March 14th to 20th, 2016), above normal mean weekly air temperature is forecasted, with anomaly up to +3°C in most part of the region. Probability for exceeding upper tercile is around 60%. Average precipitation is expected in most part of the region. Precipitation surplus is expected in Georgia, with around 70% probability for exceeding upper tercile.

In the period from March 7th to April 3rd 2016, above normal mean monthly air temperature is expected, with anomaly up to +3°C. Probability for exceeding upper tercile is around 80% in southern and eastern Balkans, south Caucasus, Turkey, Cyprus, Aegean and East Mediterranean Sea. Precipitation surplus is expected in central Balkans, with around 60% probability for exceeding upper tercile.

During the following three months (March, April and May) SEEVCCC seasonal forecast predicts above normal seasonal air temperature in most parts of the Balkans, central and eastern Turkey. Precipitation surplus is predicted in Carpathian Mountains, central and northeastern Turkey, as well as south Caucasus region. Precipitation deficit is expected over southern Balkans, Cyprus, Middle East and some parts of southern, southwestern and northwestern Turkey.

Update

An updated statement will be issued on 14-3-2016

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

ANNEX

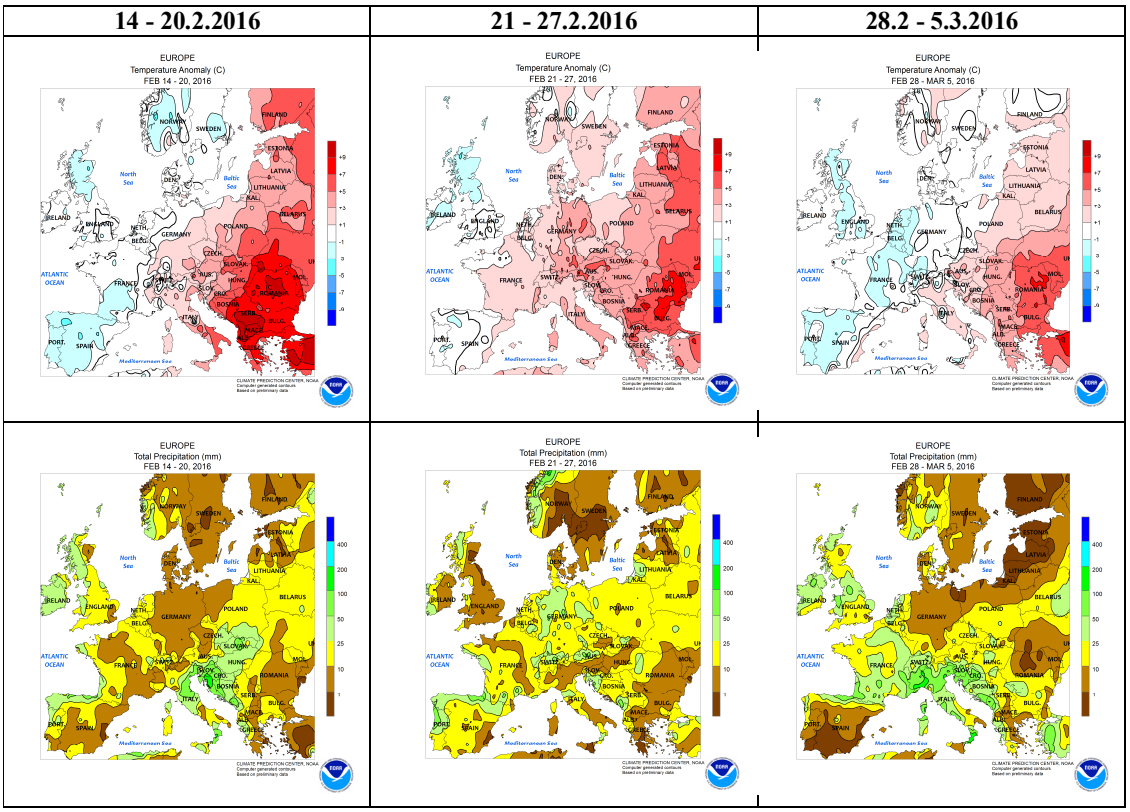

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

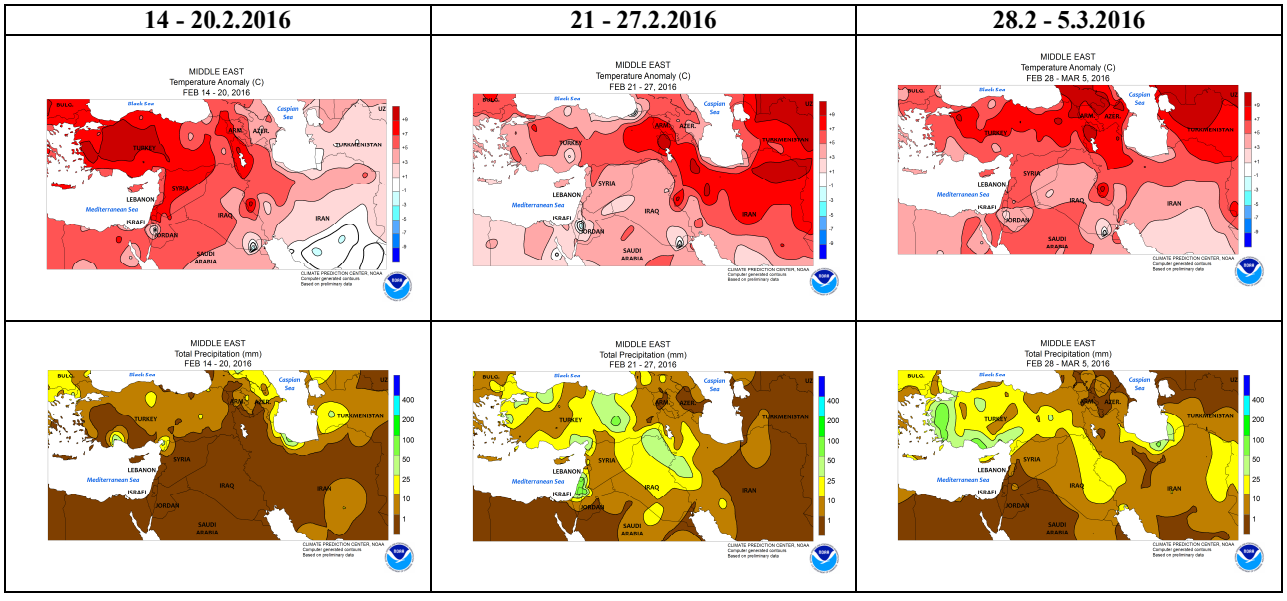

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

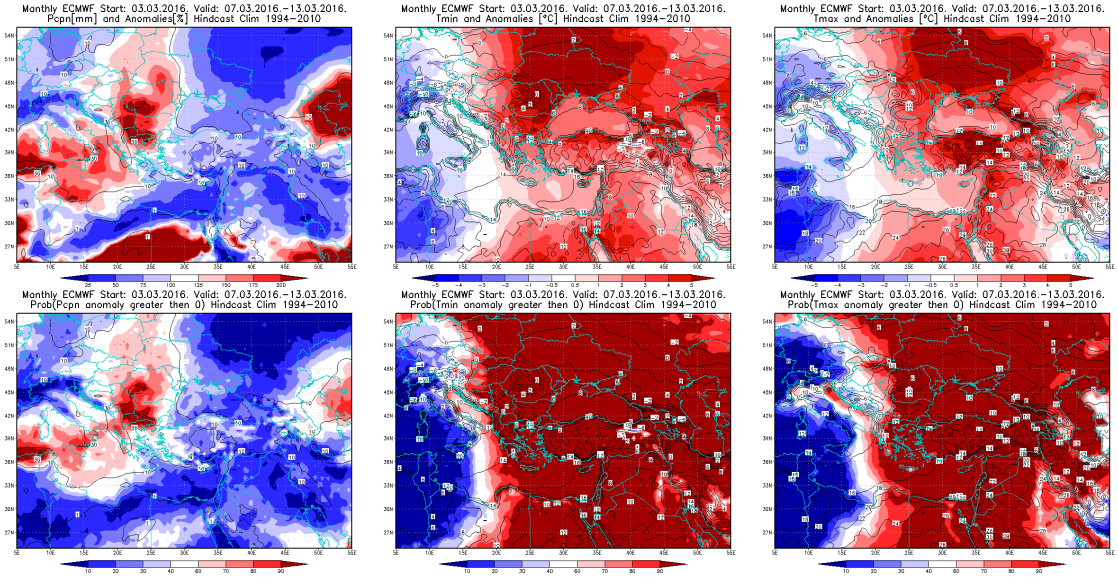

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation 7.3 – 13.3.2016 period

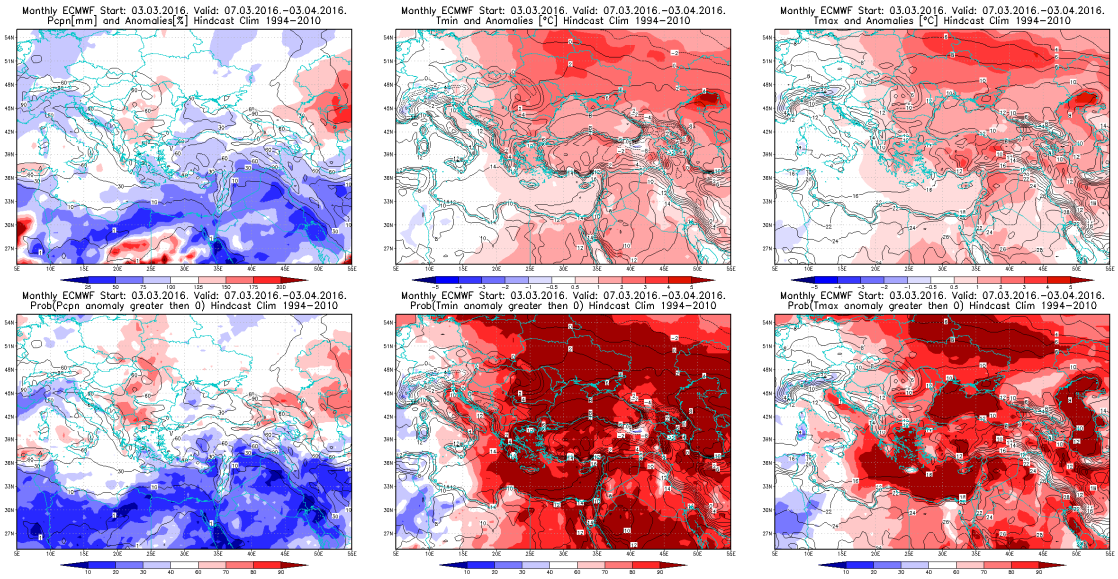

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 7.3 – 3.4.2016 period

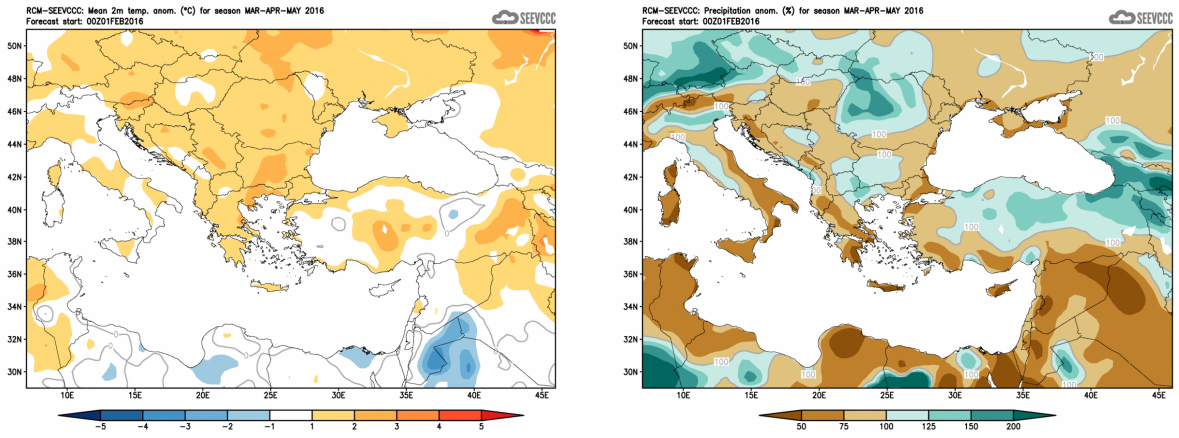

Figure 5. Mean seasonal temperature and precipitation anomaly for the season MAM (seasonal outlook from RCM – SEEVCCC)

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/)