Climate Watch (Serial No.: 20170220– 00)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 20-2-2017 12:00 P.M.

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Valid from – to: 20-2-2017– 5-3-2017 Next amendment: 27-2-2017

Region of concern: **Carpathian Mountains, Adriatic coast, central Balkans and Ukraine**

„In the period from February 20th to 26th 2017, precipitation surplus is predicted over the Carpathian Mountains, along Adriatic coast, most of Ukraine and the central Balkans. Probability for exceeding upper tercile is up to 90%"

Monitoring

In the period from 12th to 18th February 2017, below normal air temperature[1] was observed in most of the SEE region, with anomaly up to -5°C, in northeastern Turkey and Armenia reaching up to -9°C. Above normal air temperature was recorded along the Adriatic coast with anomaly around +3°C. Weekly precipitation sums were below 25 mm in most of the region, except in northeastern Turkey where up to 100 mm of precipitation was registered.

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

Outlook

Within the first week (February 20th to 26th 2017), ECMWF monthly forecast predicts above normal mean weekly air temperature in most of the SEE region, with anomaly up to +5°C. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is predicted over the Carpathian Mountains, along Adriatic coast, most of Ukraine and the central Balkans. Precipitation deficit is expected in the southern and eastern Balkans, Turkey, south Caucasus, Cyprus, Israel and Jordan. Probability for exceeding upper/lower tercile is up to 90%.

During the second week (February 27th to March 5th 2017), above normal mean weekly air temperature is predicted for the SEE region, with anomaly reaching up to +3°C and up to 80% probability for exceeding upper tercile in Turkey and south Caucasus. Average precipitation sums are predicted for most of the region.

In the period from February 20th to March 19th 2017, above normal mean monthly air temperature, with anomaly up to +3°C, is expected in most of the SEE region with around 80% probability for exceeding upper tercile. Precipitation surplus is expected in most of the Balkans and Ukraine, with up to 80% probability for exceeding upper tercile in Ukraine.

During the following three months (March, April and May) seasonal forecast predicts above normal seasonal air temperature in the eastern and southern Balkans, Ukraine, central and eastern Turkey. Precipitation surplus is predicted along southern Adriatic, over the Carpathian Mountains, southeastern Balkans, central and northeastern Turkey and south Caucasus, while precipitation deficit is expected over Cyprus, costal part of Greece, southern Turkey and along the coasts of the Black Sea.

Update

An updated statement will be issued on 27-2-2017

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

ANNEX

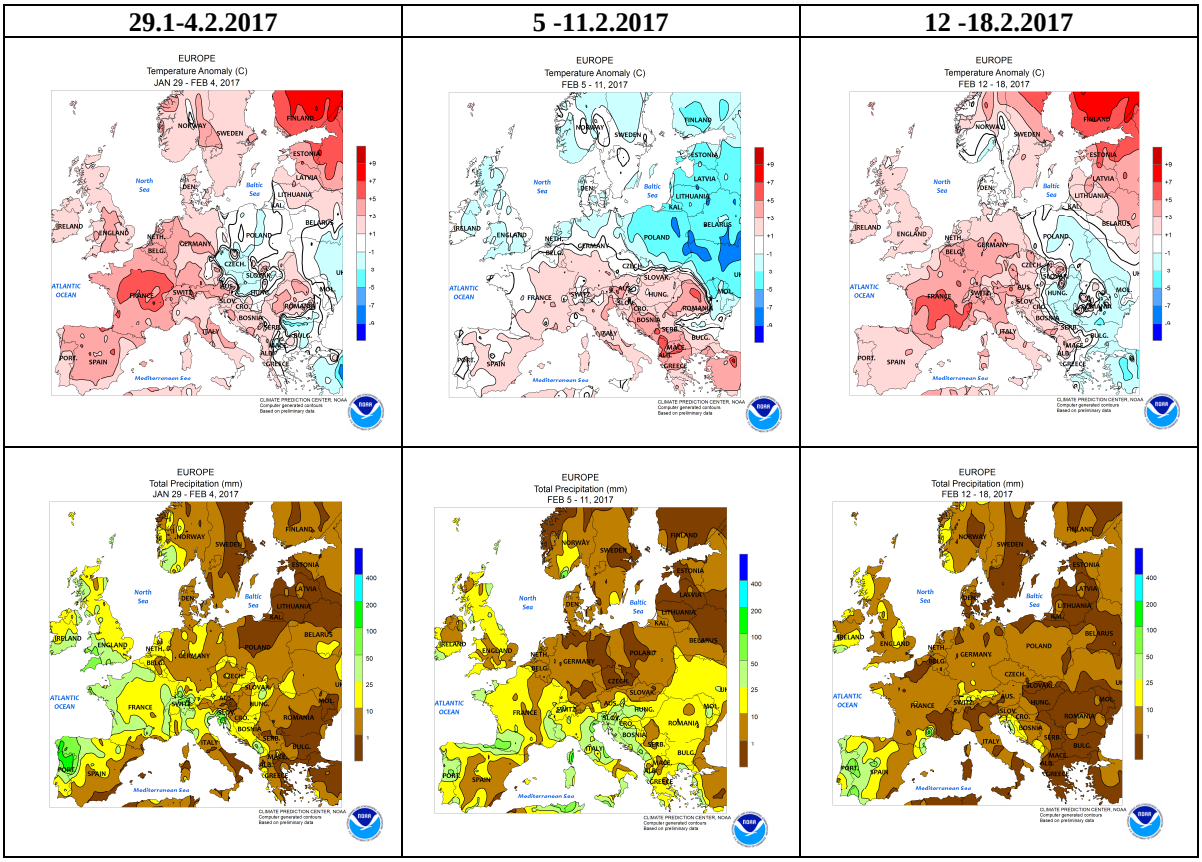

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

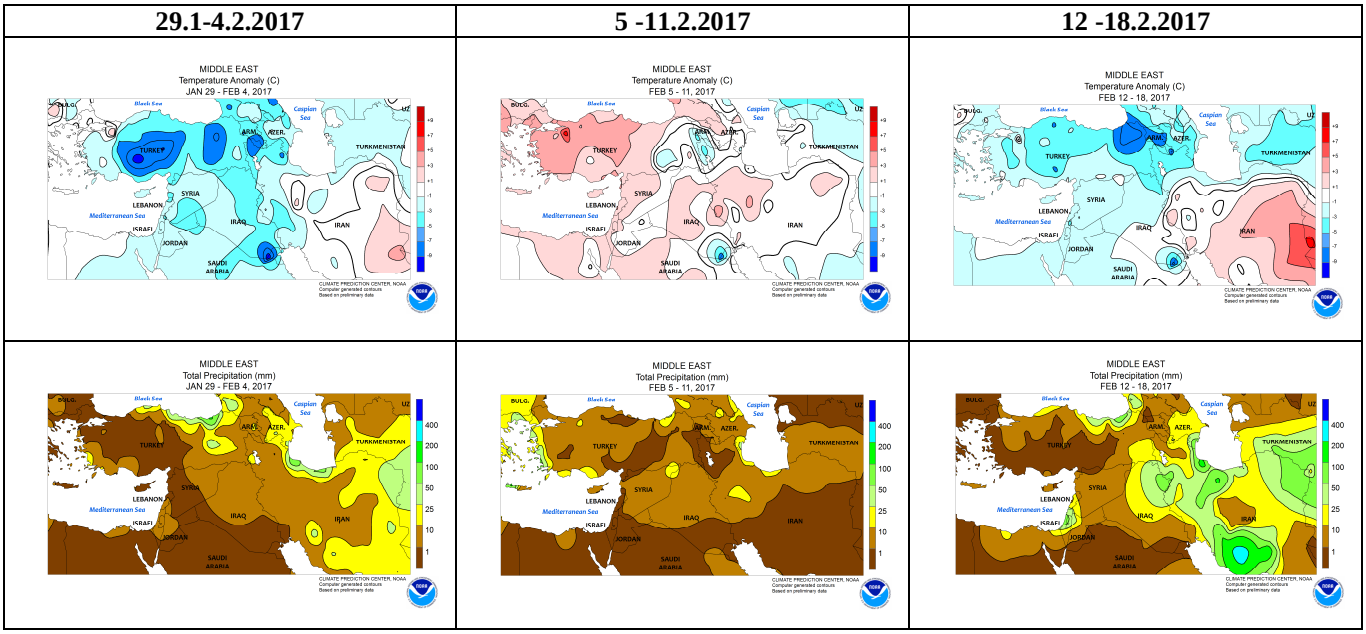

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

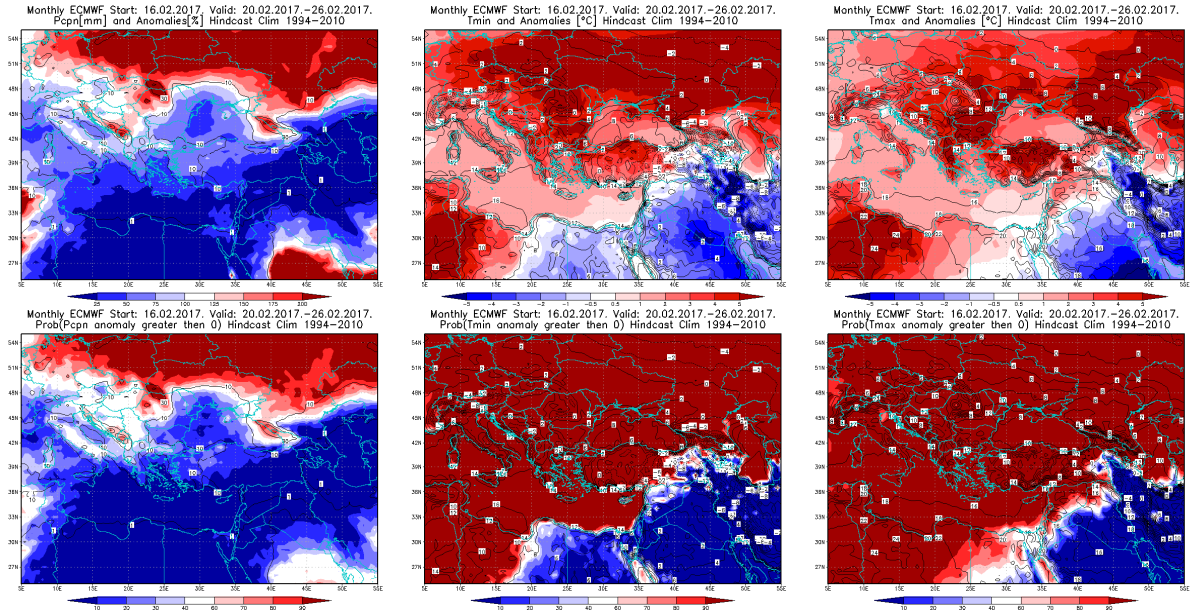

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 20 – 26.2.2017 period

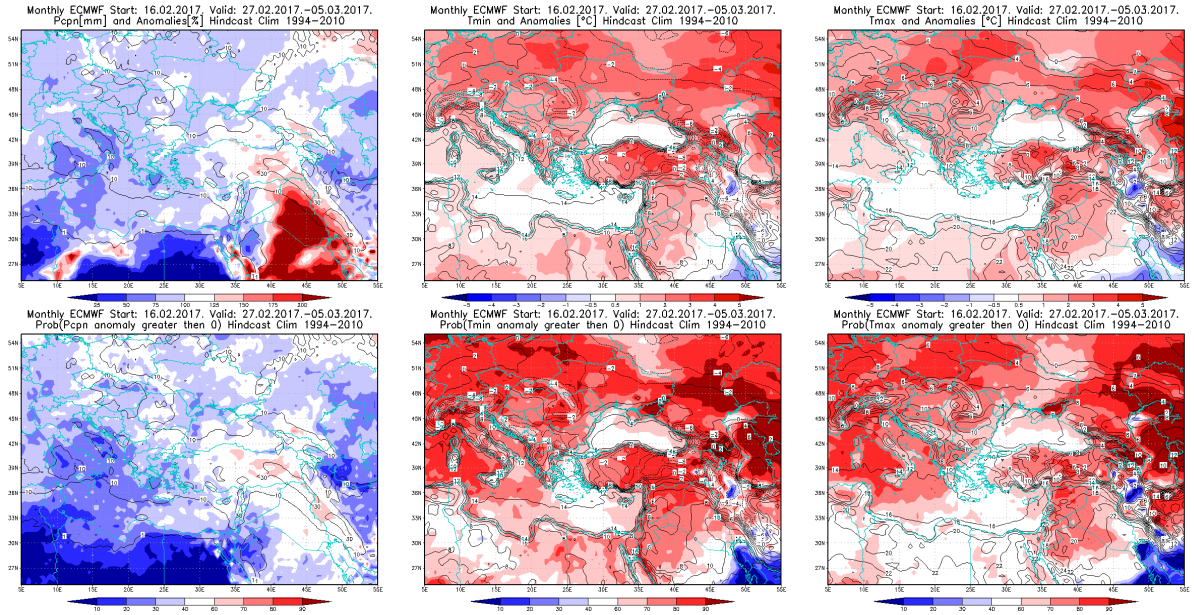

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 27.2 – 5.3.2017 period

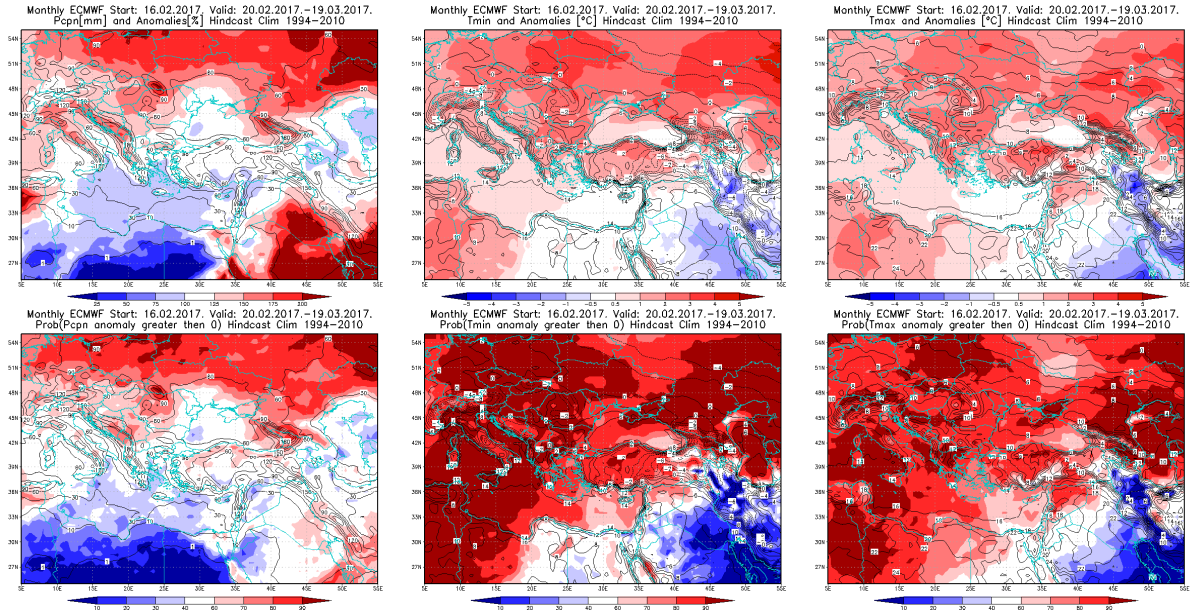

Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 20.2– 19.3.2017 period

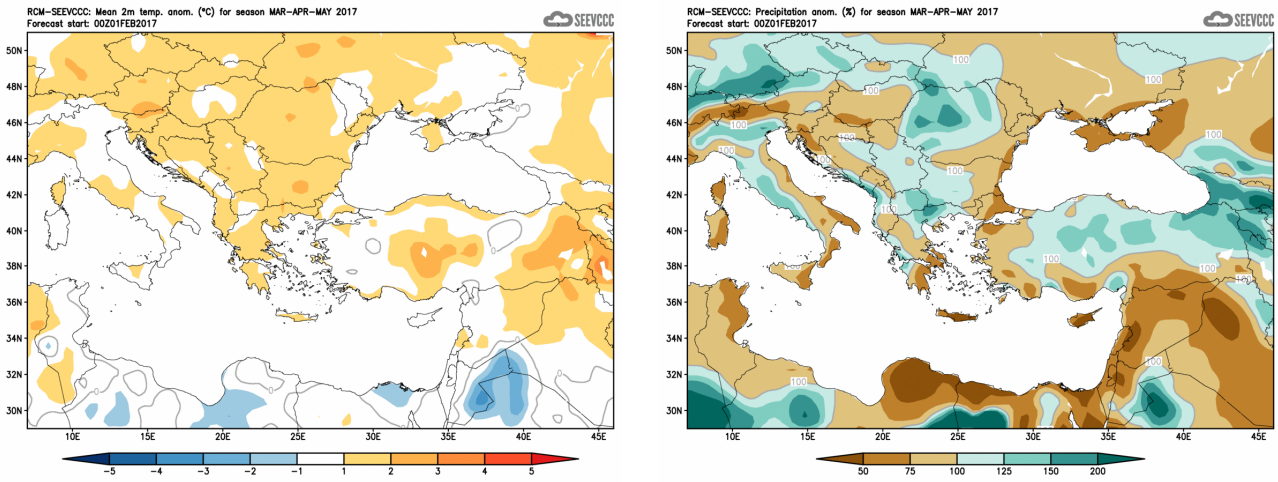

Figure 6. Mean seasonal temperature and precipitation anomaly for the season MAM (seasonal outlook from RCM – SEEVCCC)

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/)