Climate Watch (Serial No.: 20170606– 00)

Initial/Updated/Final

Topic: **precipitation**
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 6-3-2017 12:00 P.M.

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Valid from – to: 6-3-2017– 2-4-2017 Next amendment: 13-3-2017

Region of concern: **Balkans, Greece and Turkey**

„In the period from March 6th to 12th 2017, precipitation surplus is expected in the western and southern Balkans, as well as southwestern Turkey, with up to 90% probability for exceeding upper tercile. Also, for the period until April 2nd precipitation surplus is expected in Greece and southwestern Turkey, with up to 80% probability for exceeding upper tercile."

Monitoring

In the period from February 26th to March 4th 2017, above normal air temperature[1] was observed in almost the entire SEE region, with anomaly up to +9°C, in northwestern Turkey and parts of the central and eastern Balkans. Weekly precipitation sums were below 25 mm in almost the entire SEE region, except in western Cyprus and parts of southern Turkey where up to 100 mm of precipitation was registered.

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

Outlook

Within the first week (March 6th to 12th 2017), ECMWF monthly forecast predicts above normal mean weekly air temperature in Ukraine, eastern Balkans, Georgia, and most parts of Turkey, with anomaly up to +5°C. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is expected in the western and southern Balkans, as well as southwestern Turkey, with up to 90% probability for exceeding upper tercile.

During the second week (March 13th to 19th 2017), above normal mean weekly air temperature is predicted in most parts of Turkey and South Caucasus, with anomaly reaching up to +3°C and up to 60% probability for exceeding upper tercile. Precipitation surplus is expected in southern Ukraine, with up to 60% probability for exceeding upper tercile.

In the period from March 6th to April 2nd 2017, above normal mean monthly air temperature, with anomaly up to +3°C, is expected in Ukraine, Moldova, Turkey and South Caucasus, with around 60 % probability for exceeding upper tercile. Precipitation surplus is expected in Greece and southwestern Turkey, with up to 80% probability for exceeding upper tercile.

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 13-3-2017

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

ANNEX

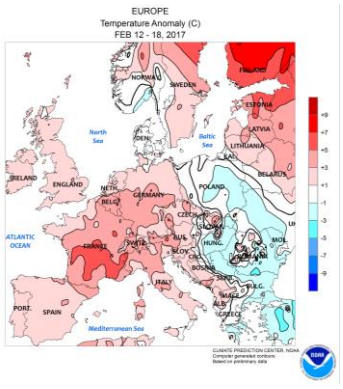
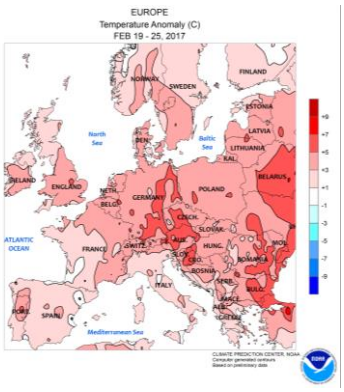
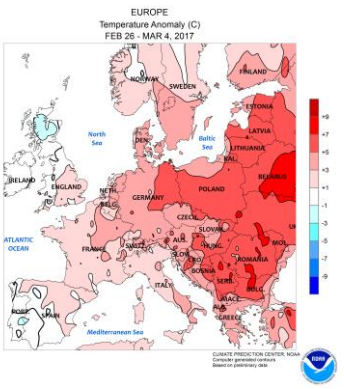
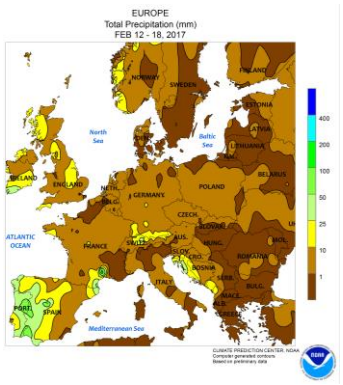
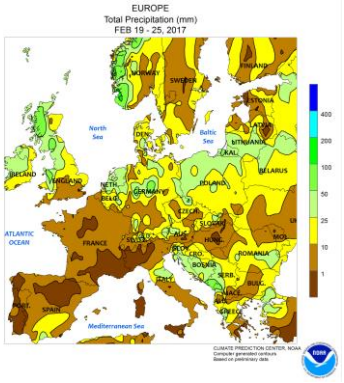
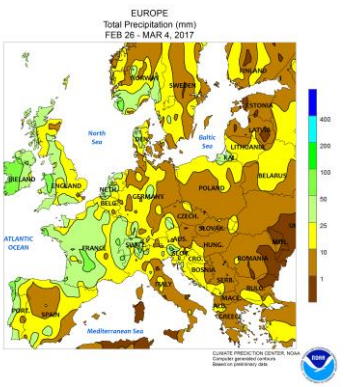
12 -18.2.2017	19 -25.2.2017	26.2-4.3.2017
		
		

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

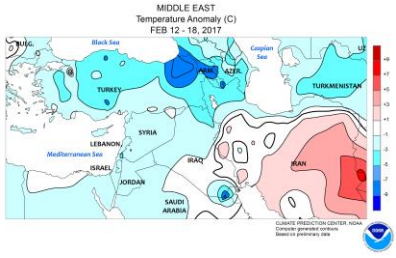
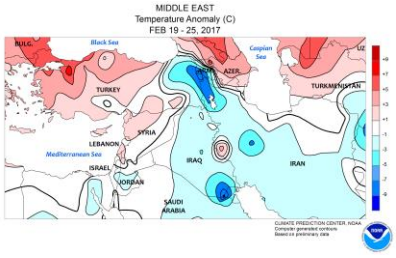
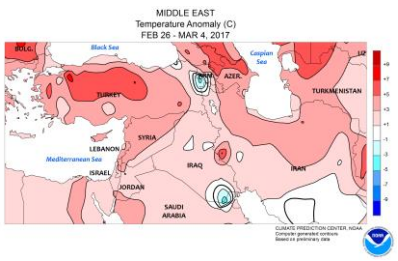
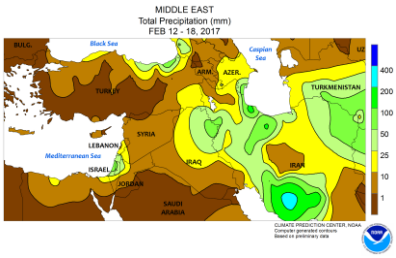
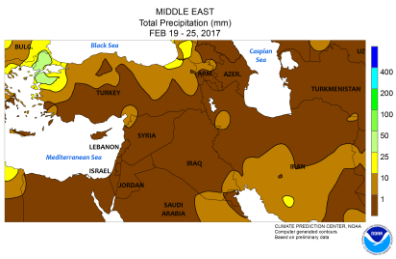
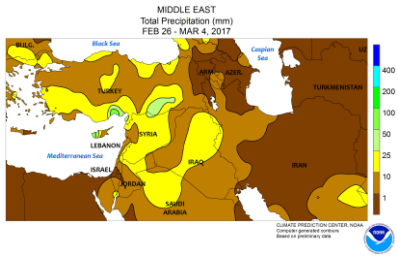
12 -18.2.2017	19 -25.2.2017	26.2-4.3.2017
		
		

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

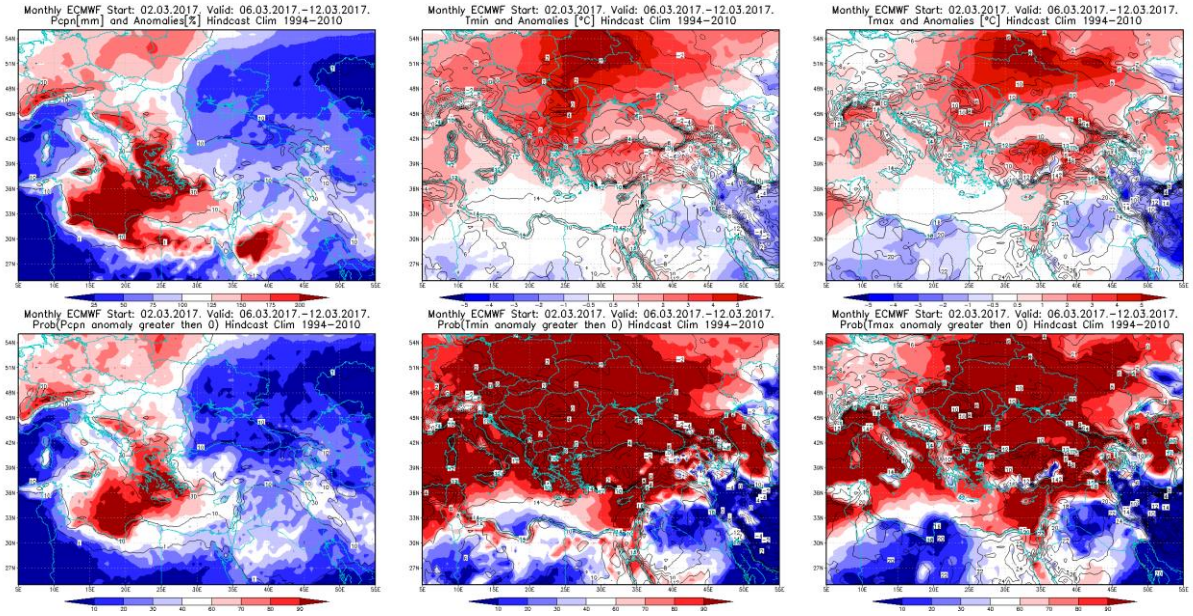


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 6 – 12.3.2017 period

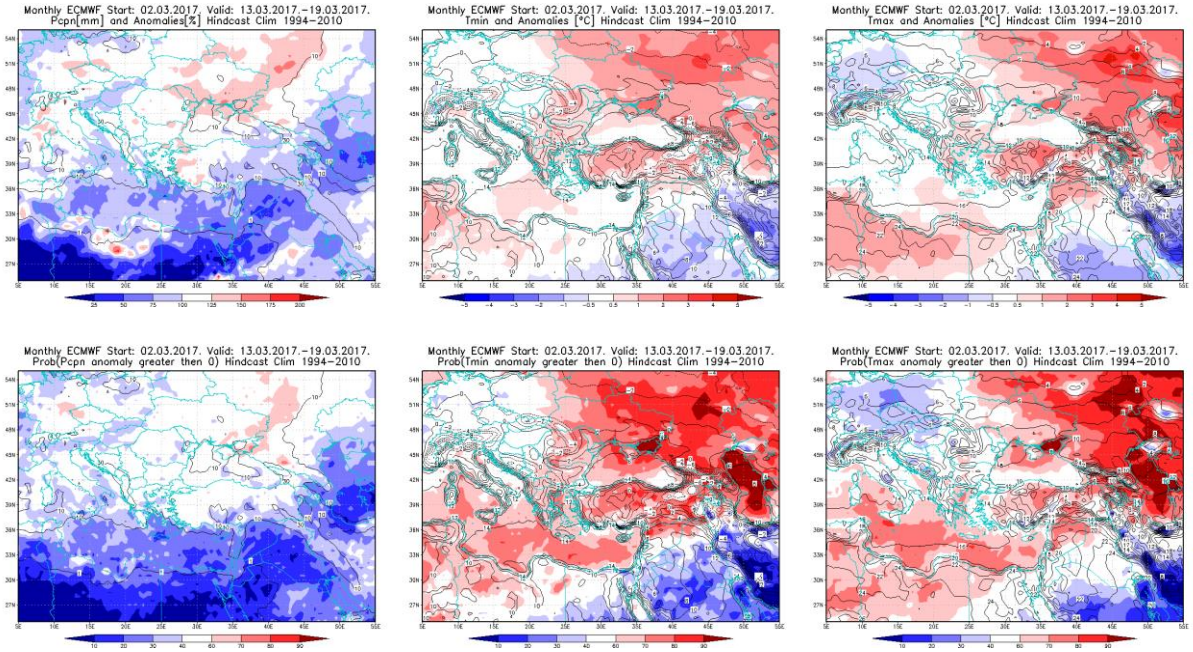


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 13 – 19.3.2017 period

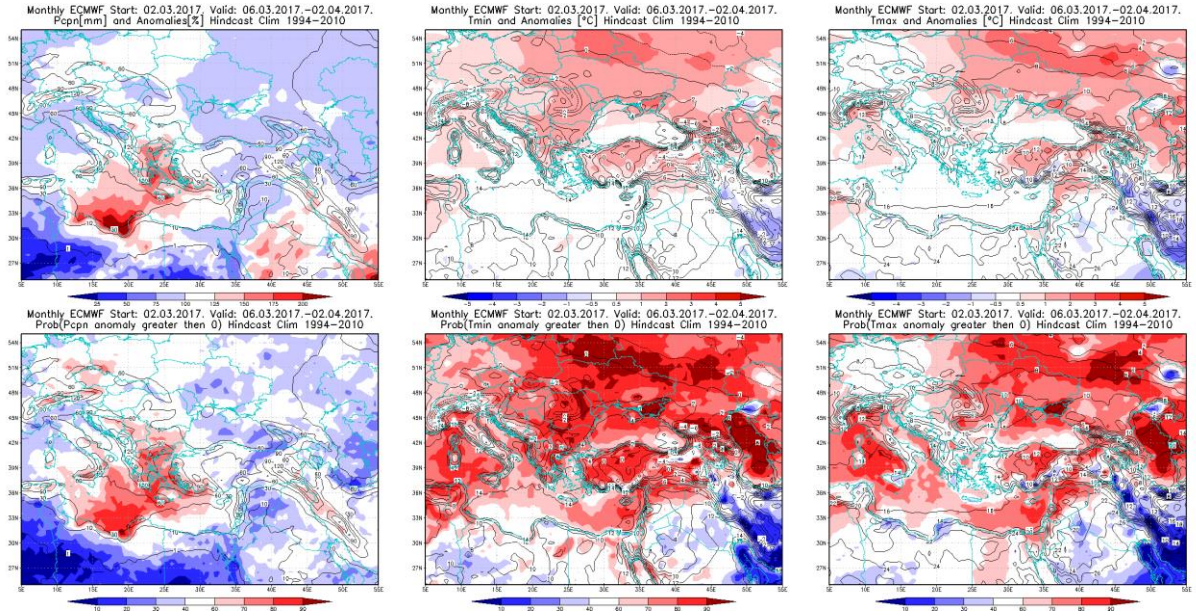


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 6.3– 2.4.2017 period

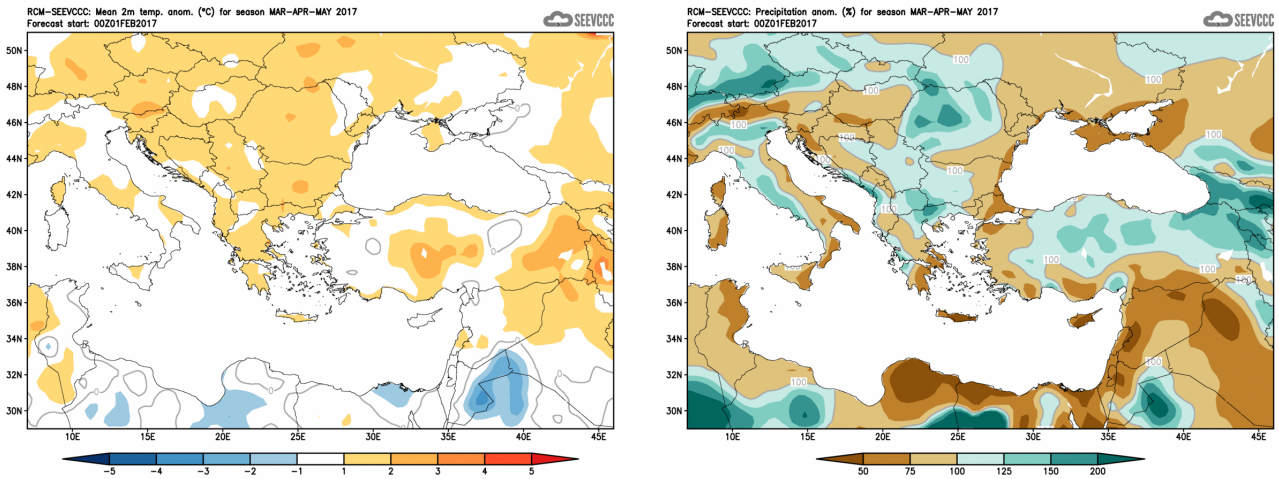


Figure 6. Mean seasonal temperature and precipitation anomaly for the season MAM (seasonal outlook from RCM – SEEVCCC)

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/)