Climate Watch (Serial No.: 20170613– 00)

Initial/Updated/Final

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

Issued/ Amended / Cancelled: 13-3-2017 12:00 P.M.

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Valid from – to: 13-3-2017– 9-4-2017 Next amendment: 20-3-2017

Region of concern: **SEE region**

„Within the first week (March 13th to 19th 2017), ECMWF monthly forecast predicts above normal mean weekly air temperature in almost the entire SEE region, with anomaly up to +3°C. Probability for exceeding upper tercile is in a range from 60% in western Balkans to around 90% in Romania and Moldova. Precipitation surplus is expected in eastern Romania and Moldova, with around 60% probability for exceeding upper tercile."

Monitoring

In the period from March 5th to 11th, 2017, above normal air temperature[1] was observed in the entire SEE region, with anomaly reaching up to +9°C, in northwestern Turkey and parts of the southern and eastern Balkans. Weekly precipitation sums reached up to 100 mm along Adriatic coast, while parts of southern Turkey recieved up to 200 mm of precipitation.

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

Outlook

Within the first week (March 13th to 19th 2017), ECMWF monthly forecast predicts above normal mean weekly air temperature in almost the entire SEE region, with anomaly up to +3°C. Probability for exceeding upper tercile is in a range from 60% in the western Balkans to around 90% in Romania and Moldova. Precipitation surplus is expected in eastern Romania and Moldova, with around 60% probability for exceeding upper tercile.

During the second week (March 20th to 26th 2017), above normal mean weekly air temperature is predicted in almost the entire SEE region, with anomaly up to +4°C. Probability for exceeding upper tercile is in a range from 60% in western Balkans to around 80% in Romania and Moldova. Precipitation surplus is expected in the southern Balkans, Aegean Sea and southern Turkey with up to 60% probability for exceeding upper tercile.

In the period from March 13th to April 9th 2017, above normal mean monthly air temperature, with anomaly up to +2°C, is expected in almost the entire SEE region, with around 80 % probability for exceeding upper tercile. Average precipitation is expected in most of the region.

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 20-3-2017

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

ANNEX

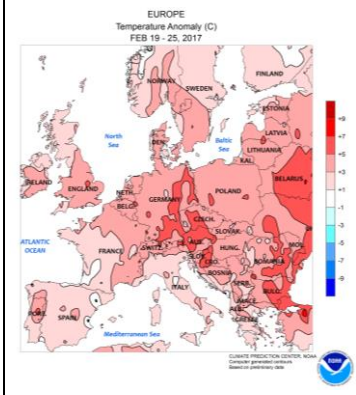
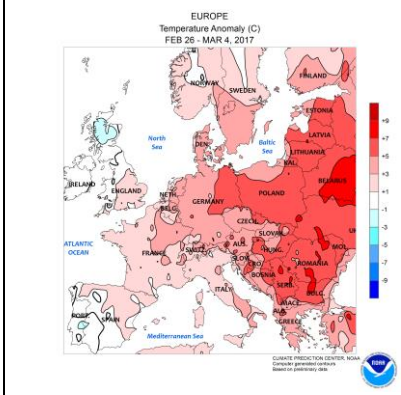
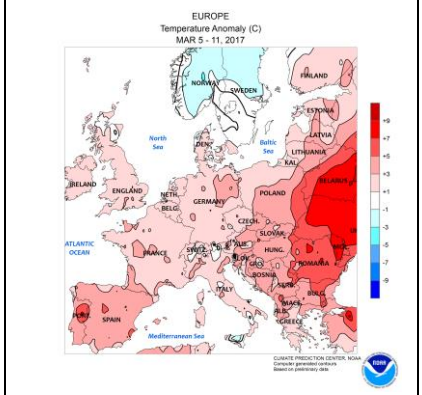
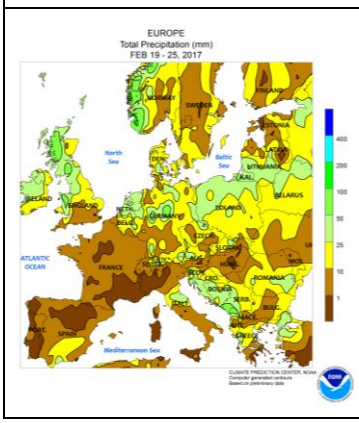
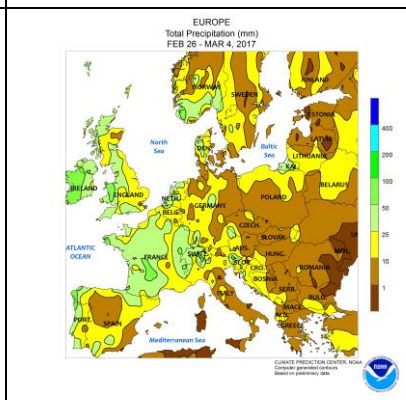
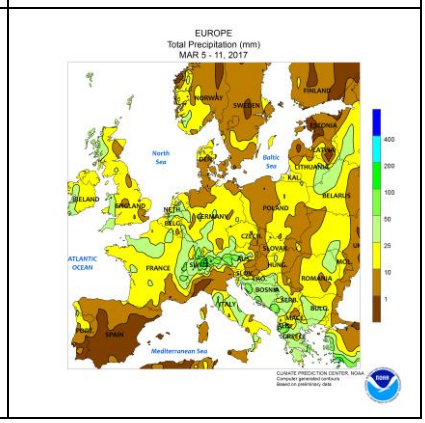
19 -25.2.2017	26.2-4.3.2017	5 -11.3.2017
		
		

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

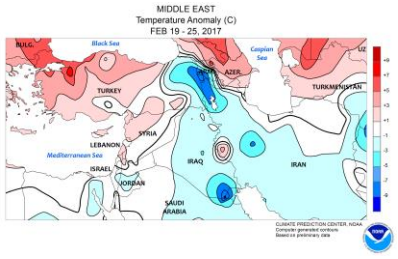
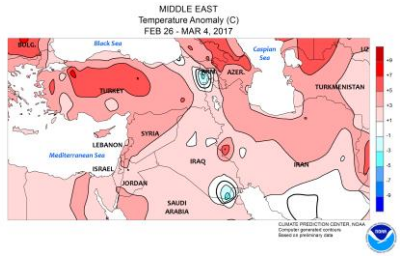
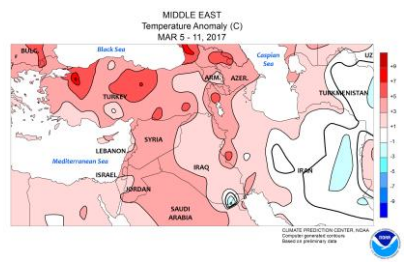
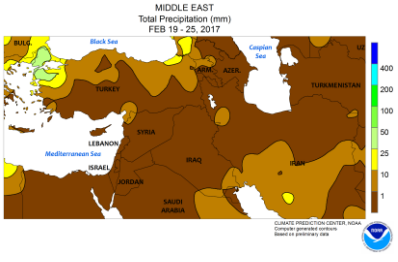
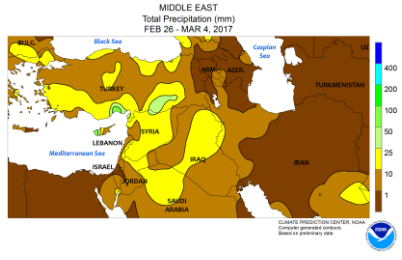
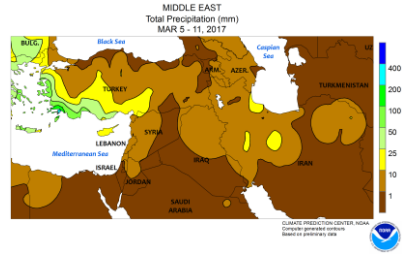
19 -25.2.2017	26.2-4.3.2017	5 -11.3.2017
		
		

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

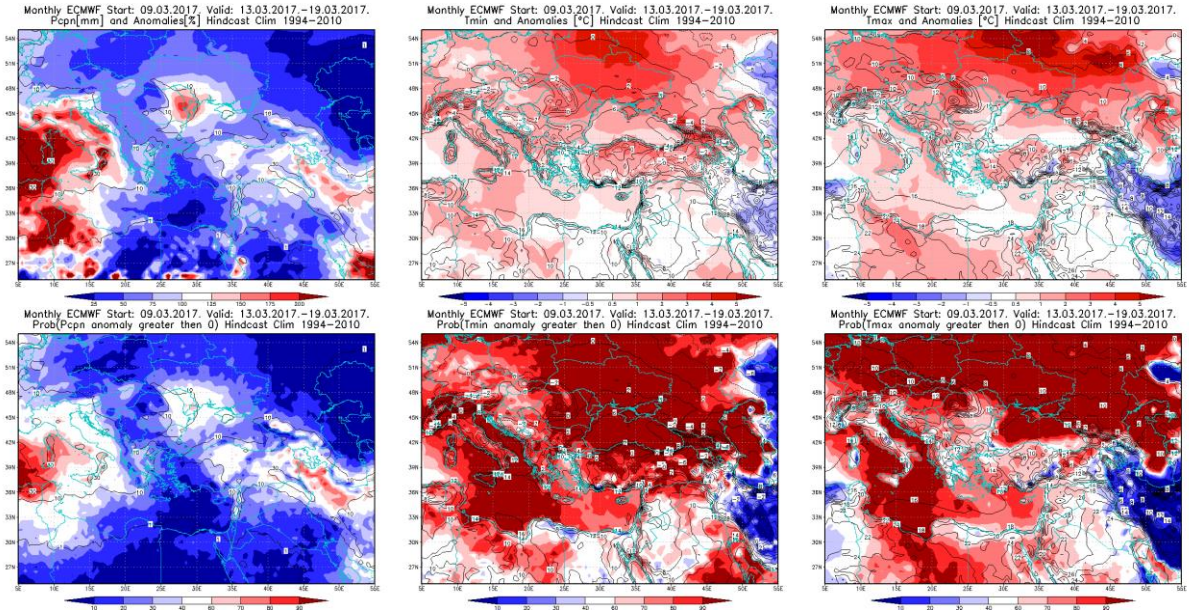


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 13 – 19.3.2017 period

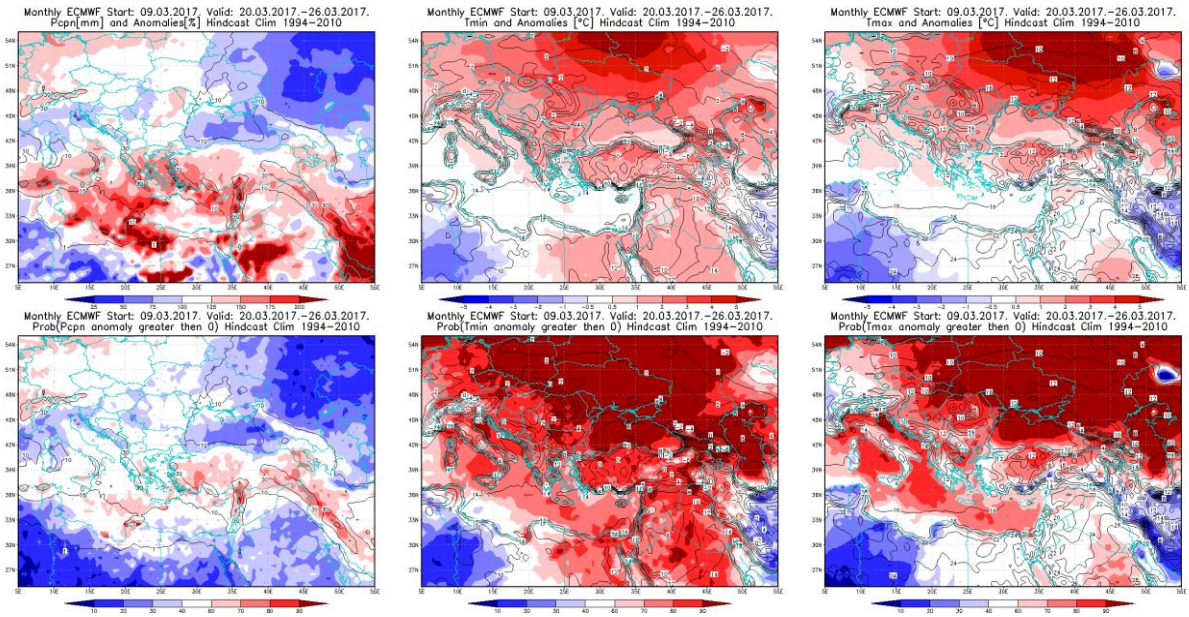


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 20 – 26.3.2017 period

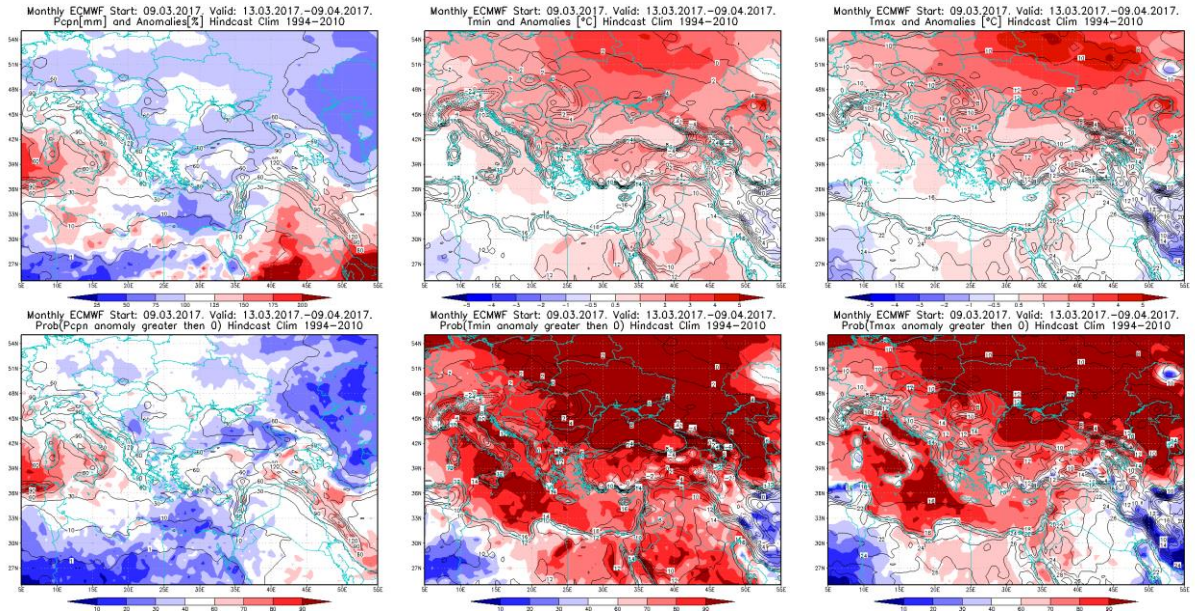


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 13.3– 9.4.2017 period

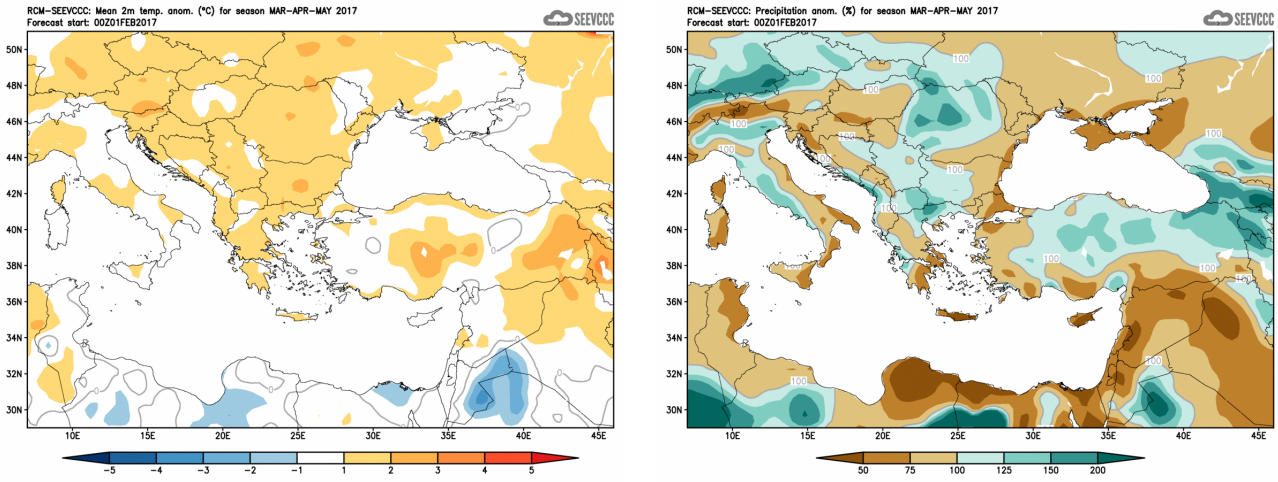


Figure 6. Mean seasonal temperature and precipitation anomaly for the season MAM (seasonal outlook from RCM – SEEVCCC)

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/)