Climate Watch (Serial No.: 20150330 – 00)

Initial/Updated/Final

Topic: precipitation
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 30-3-2015 12:00 P.M.

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Valid from – to: 30-3-2015 – 12-4-2015 Next amendment: 6-4-2015

Region of concern: Turkey, Ionian and Aegean Sea and southern Balkans

„From March 30th to April 5th, 2015, below normal mean weekly air temperature is forecast in most of Romania, Montenegro, Cyprus and most of Turkey, with anomaly up to -2°C and, with anomaly up to -4°C, in south Caucasus. Probability for exceeding lower tercile is around 80%, while in Turkey and Cyprus this event is expected with less probability. Precipitation surplus is forecast for Moldova, northern Romania and northern Turkey, with around 80% probability for exceeding upper tercil.“

Monitoring

In the period from March 22nd to 28th, 2015 below normal air temperature[1] with anomaly up to -3°C, was observed in part of central and southern Turkey. Above normal air temperature, with anomaly up to +5°C was registered in the rest of the region. Weekly precipitation sums, reaching 100 mm, were observed in southwestern Turkey, western and part of northern Greece, southeastern Albania and southeastern FYR Macedonia, while in other parts of the SEE region they were below 50 mm.

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

Outlook

Within the first week (March 30th to April 5th, 2015), ECMWF monthly forecast predicts below normal mean weekly air temperature in most of Romania, Montenegro, Cyprus and most of Turkey, with anomaly up to -2°C and, with anomaly up to -4°C, in south Caucasus. Probability for exceeding lower tercile is around 80%, while in Turkey and Cyprus this event is expected with less probability. Precipitation surplus is forecast for Moldova, northern Romania and northern Turkey, with around 80% probability for exceeding upper tercile.

During the second week (April 6th to 12th, 2015), below normal mean weekly air temperature, with anomaly up to -2°C, is forecast for eastern Turkey and south Caucasus, with up to 70% probability for exceeding lower tercile. Precipitation surplus is expected in most of the Balkans and southern Romania. Precipitation deficit is forecast for most of Turkey and south Caucasus. Probability for exceeding upper/lower tercile is expected with around 70%.

In the period from March 30th to April 26th, 2015, most part of the SEE region will observe average mean monthly air temperature and average precipitation sums.

During the following three months (April, May and June) SEEVCCC seasonal forecast predicts above seasonal air temperature for the Balkans, Romania and parts of central and eastern Turkey. Precipitation surplus is predicted for central Romania, northeastern Turkey and south Caucasus, while deficit is expected over most part of the Balkans, Mediterranean Sea, Cyprus, eastern Romania, western and southern Turkey and most part of the Middle East.

Update

An updated statement will be issued on 6-4-2015

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

ANNEX

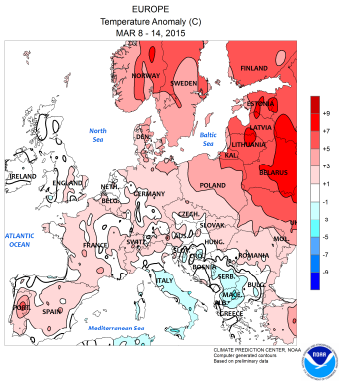
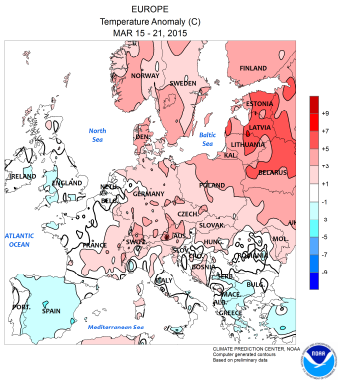
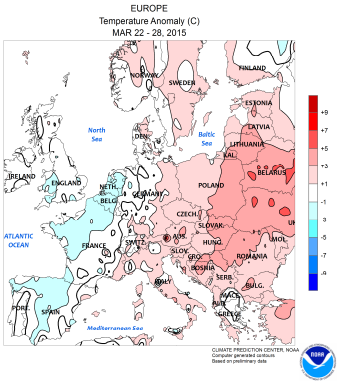
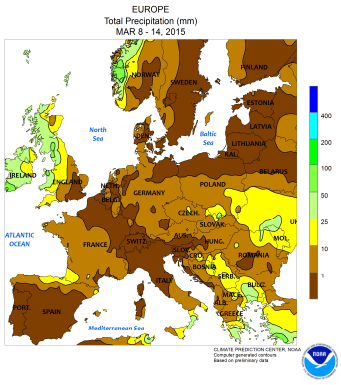
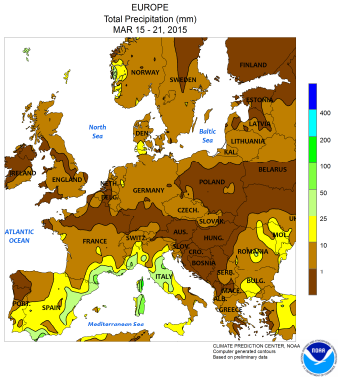
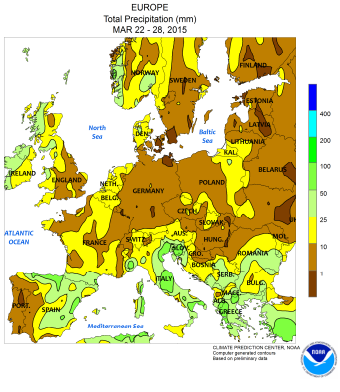
8 – 14.3.2015.	15 – 21.3.2015.	22 – 28.3.2015.
		
		

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

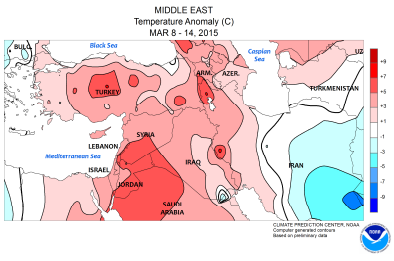
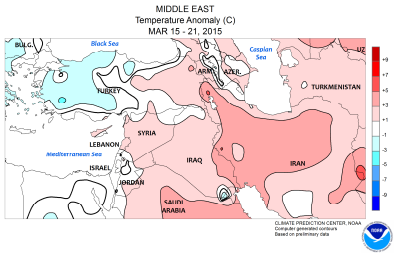
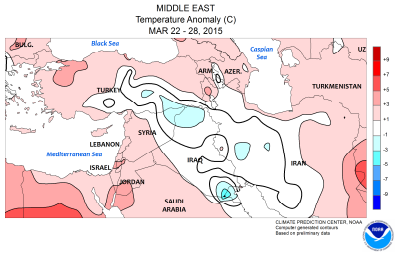
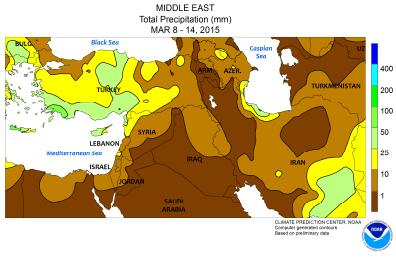
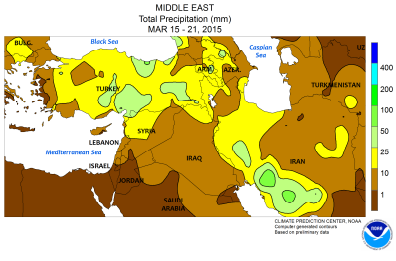
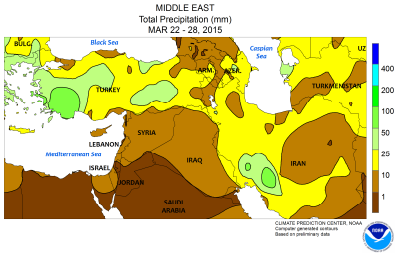
8 – 14.3.2015.	15 – 21.3.2015.	22 – 28.3.2015.
		
		

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

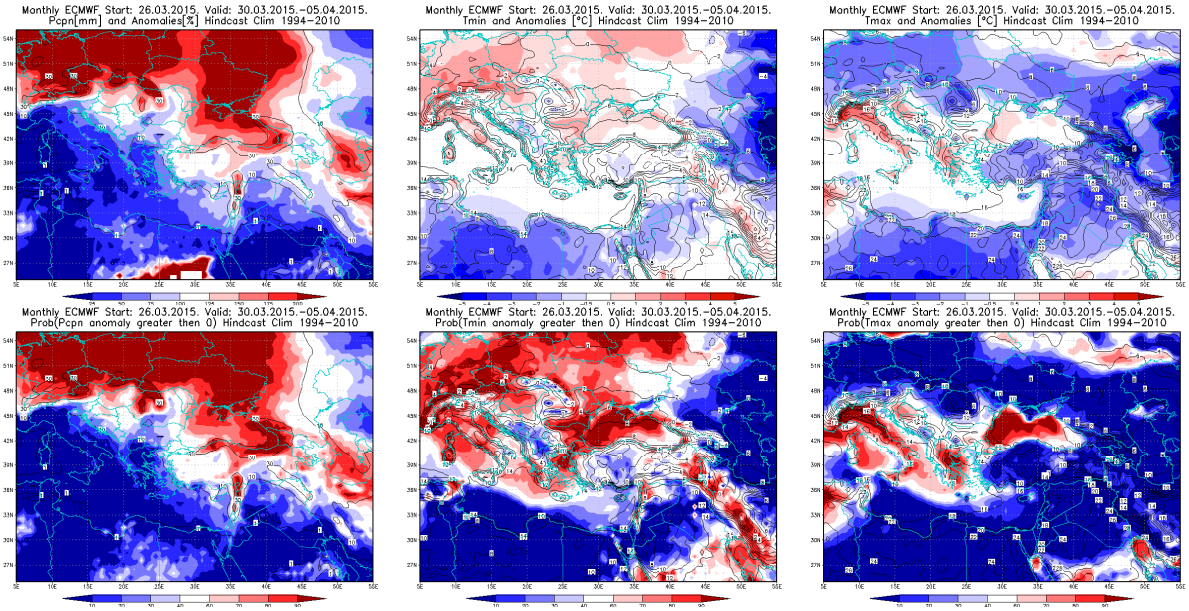


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 30.3 – 5.4.2015 period

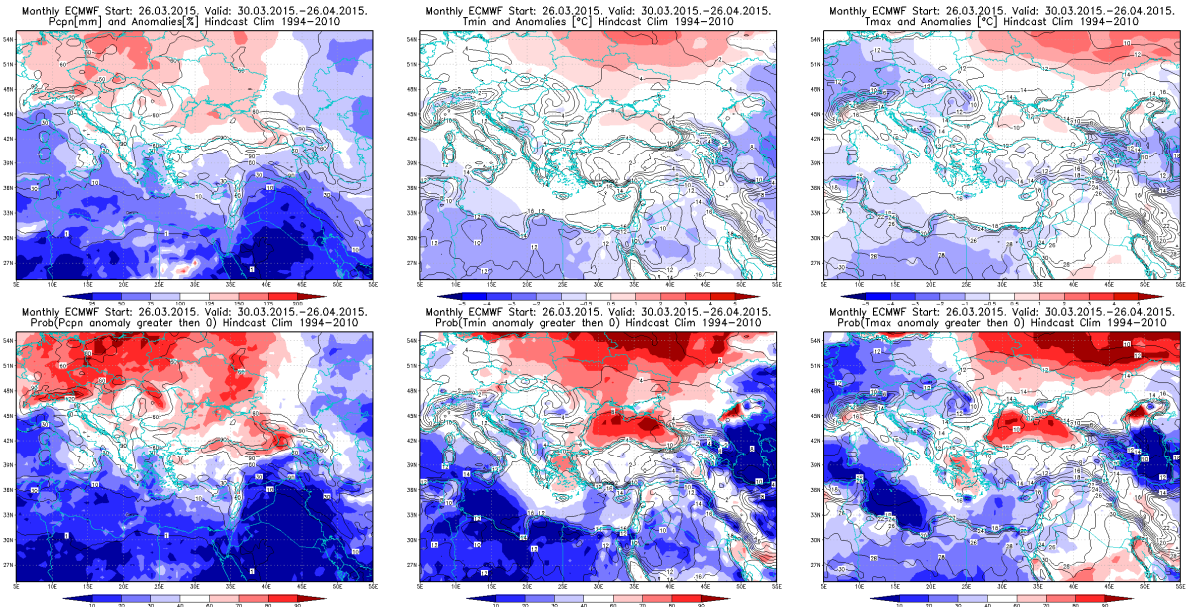


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 30.3 – 26.4.2015 period

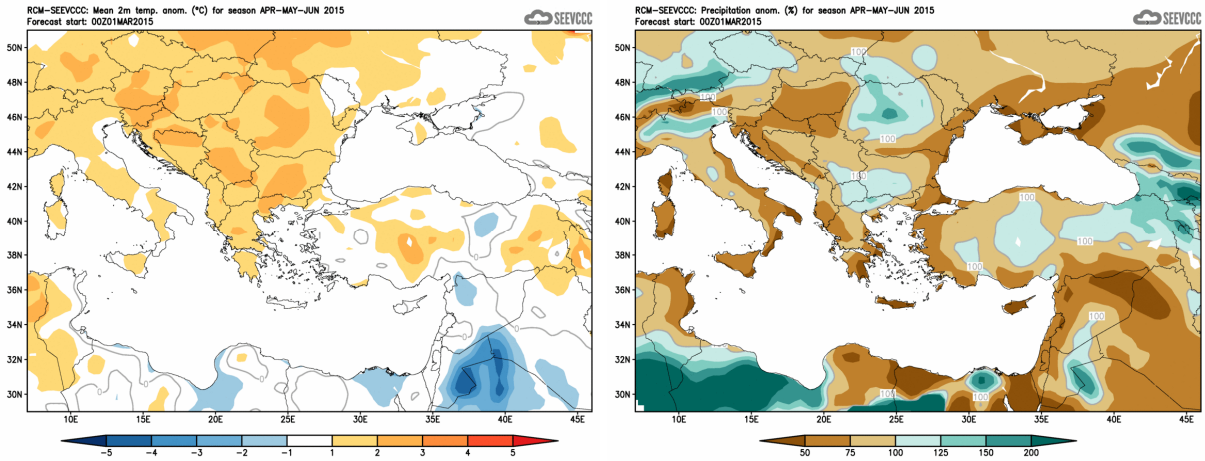


Figure 5. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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/)