

## Climate Watch (Serial No.: 20160418 – 00)

Initial/Updated/Final

Topic: **air temperature**

Organization issuing  
the statement: SEEVCCC

Issued/ Amended /  
Cancelled 18-4-2016 12:00 P.M.

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Valid from – to: 18-4-2016 – 1-5-2016 Next amendment: 25-4-2016

Region of concern: **SEE region**

**„In the period from April 18<sup>th</sup> to 24<sup>th</sup>, forecast predicts above normal mean weekly air temperature, with anomaly up to +6°C. Probability for exceeding upper tercile is around 90%. Precipitation deficit is expected over most part of the SEE region. Probability for exceeding lower tercile is around 90%.“**

### Monitoring

In the period from April 10<sup>th</sup> to 16<sup>th</sup> 2016, above normal air temperature<sup>1</sup> was registered in the SEE region, with anomaly up to +7°C. Weekly precipitation sums were below 25 mm in most of the region whereas parts of Romania, some parts of Turkey and south Caucasus received up to 50 mm of rain.

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<sup>1</sup> Reference climatological period is the 1981-2010 period

## **Outlook**

Within the first week (April 18<sup>th</sup> to 24<sup>th</sup>, 2016), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +6°C. Probability for exceeding upper tercile is around 90%. Precipitation deficit is expected over most part of the SEE region. Probability for exceeding lower tercile is around 90%.

During the second week (April 25<sup>th</sup> to May 1<sup>st</sup>, 2016), above normal mean weekly air temperature is forecasted, with anomaly ranging from +2°C up to +5°C, over Aegean Sea, Turkey, south Caucasus, Cyprus and Middle East, with around 90% probability for exceeding upper tercile. Below normal mean weekly air temperature is expected over most part of the Balkans, with anomaly up to -3°C, and around 80% probability for exceeding lower tercile. Precipitation surplus is expected over northern Balkans and along the Adriatic coast, with low probability for exceeding upper tercile. Precipitation deficit is forecasted for southern Balkans, Cyprus and most of Turkey, with around 80% probability for exceeding lower tercile.

In the period from April 18<sup>th</sup> to May 15<sup>th</sup> 2016, above normal mean monthly air temperature is expected in southern Balkans, Turkey, Cyprus, south Caucasus and Middle East, with anomaly up to +4°C and probability of around 90% for exceeding upper tercile. Below normal mean monthly air temperature is forecasted for northern Balkans, with anomaly up to -2°C and probability of around 60% for exceeding lower tercile. Precipitation surplus is forecasted for northern Romania and Moldova. Precipitation deficit is expected over southern Balkans, Cyprus, Turkey and Middle East. Probability for exceeding upper/lower tercile is around 80%.

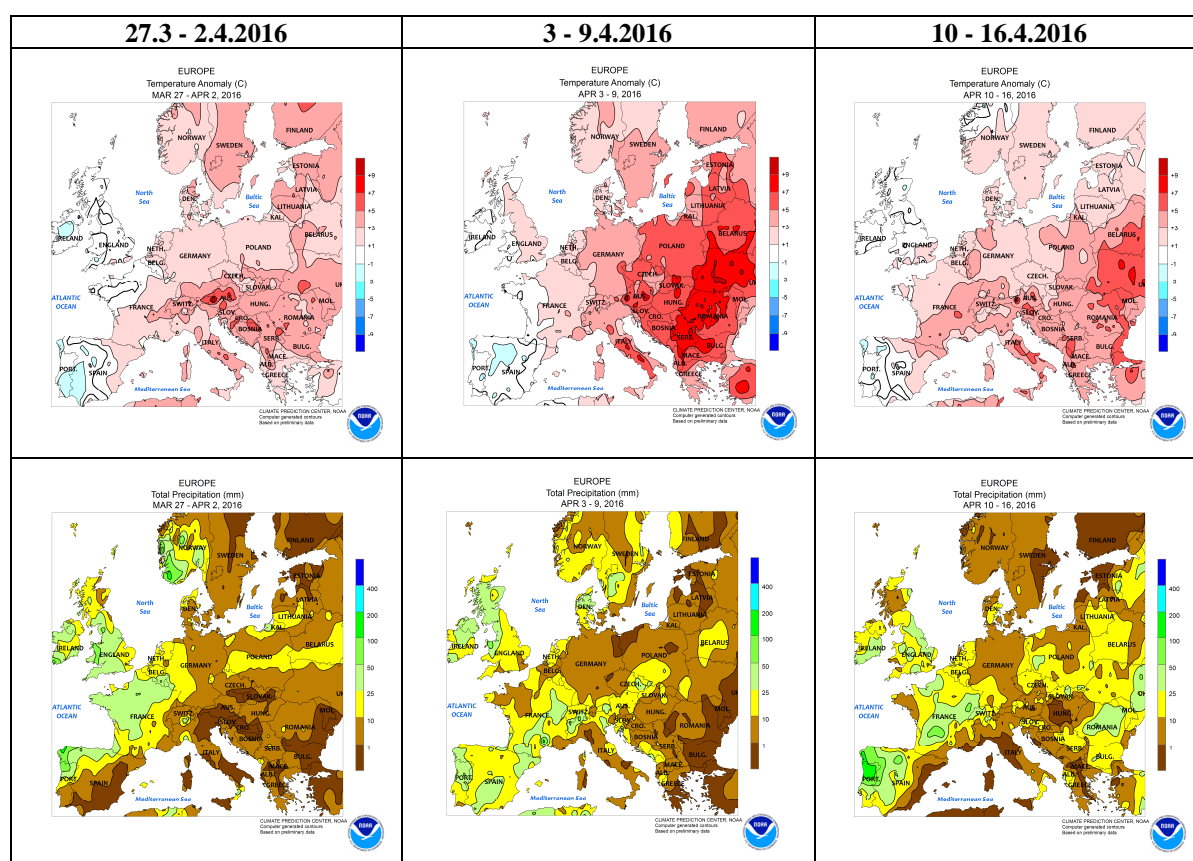
During the following three months (May, June and July) SEEVCCC seasonal forecast predicts above normal seasonal air temperature over the Balkans, central and eastern Turkey. Precipitation surplus is predicted in central Romania, northeastern Turkey, as well as south Caucasus region. Precipitation deficit is expected over southern, southeastern, western and northwestern Balkans, over Aegean Sea and Cyprus.

## **Update**

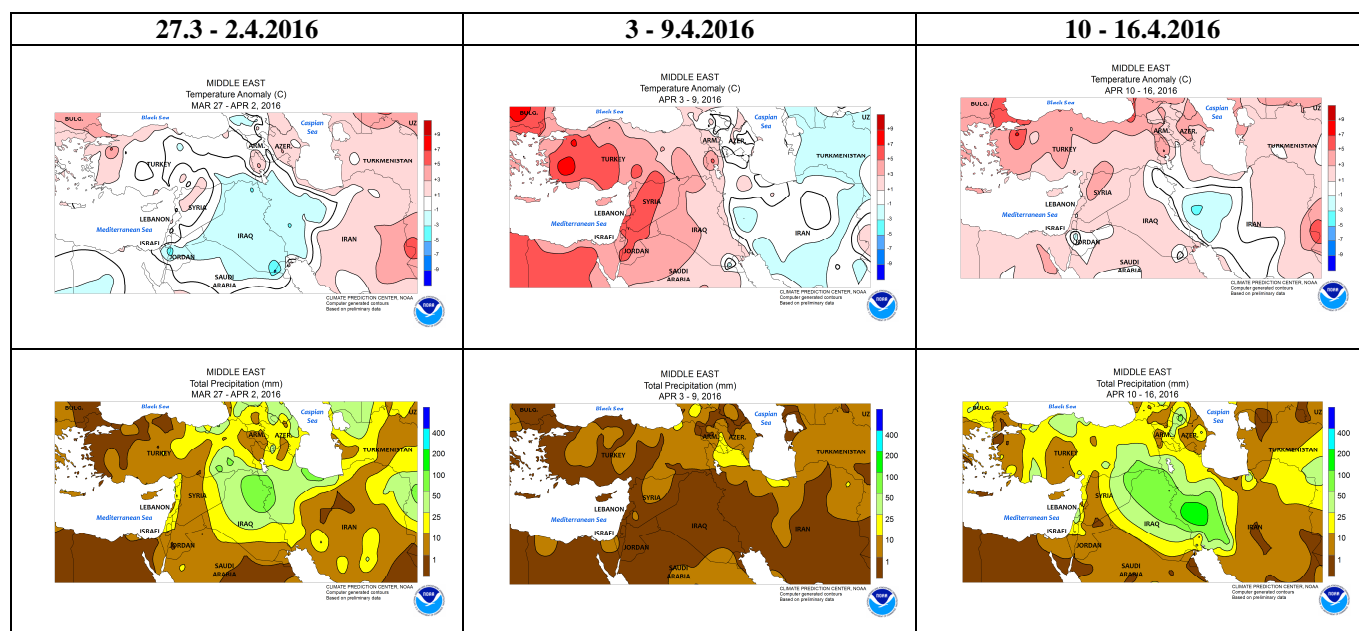
An updated statement will be issued on 25-4-2016

For further information please contact [cws-seevccc@hidmet.gov.rs](mailto:cws-seevccc@hidmet.gov.rs)

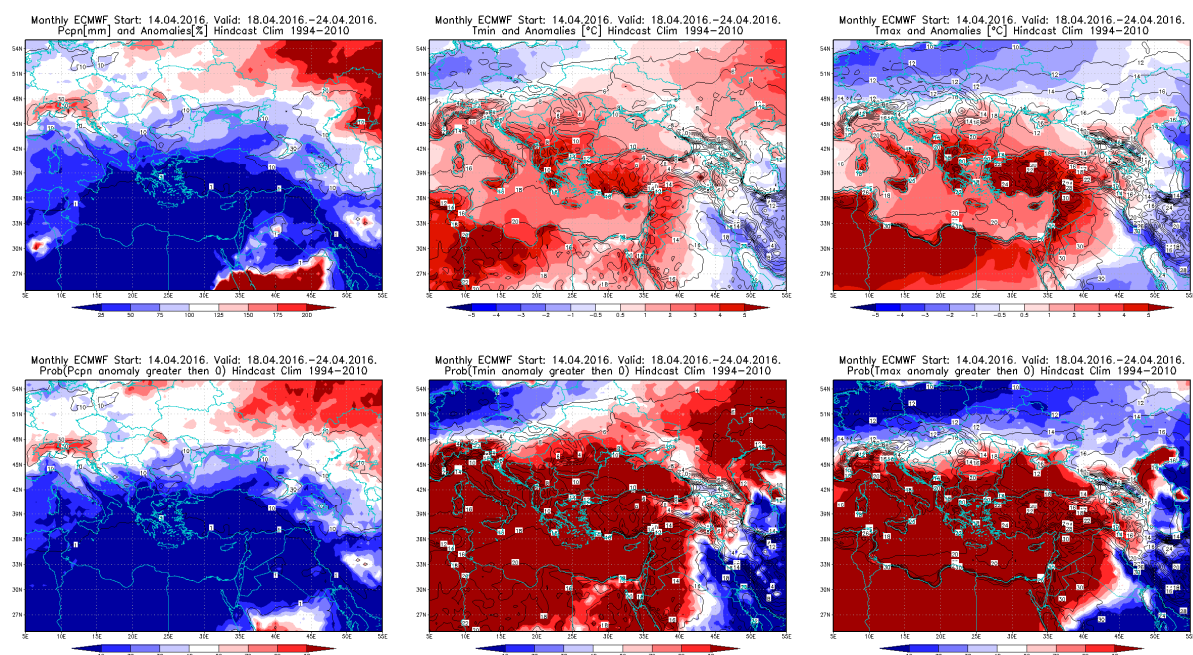
## ANNEX



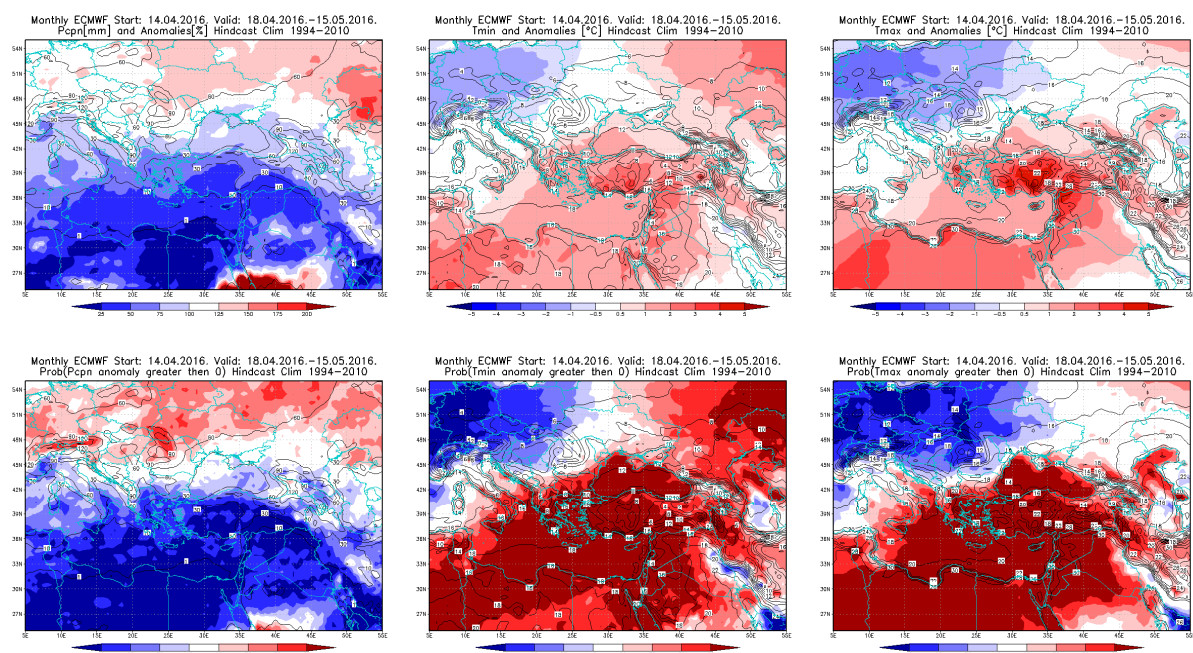
**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



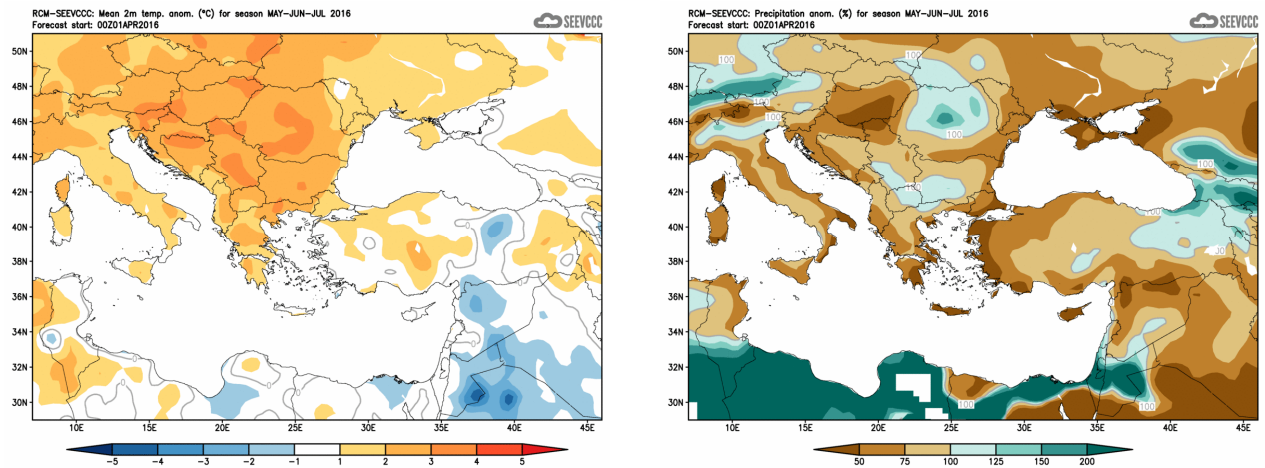
**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation 18.4 – 24.4.2016 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 18.4 – 15.5.2016 period



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

## Sources

- Republic Hydrometeorological Service of Serbia ([www.hidmet.gov.rs](http://www.hidmet.gov.rs))
- South East European Virtual Climate Change Center ([www.seevccc.rs](http://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/>)