

## Climate Watch (Serial No.: 20160523– 00)

Initial/Updated/Final

Topic: **precipitation**

Organization issuing  
the statement: SEEVCCC

Issued/ Amended / 23-5-2016 12:00 P.M.  
Cancelled

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Valid from – to: 23-5-2016– 5-6-2016 Next amendment: 30-5-2016

Region of concern: easternmost Mediterranean, south Turkey and South Caucasus

**„In the period from May 23<sup>rd</sup> to June 19<sup>th</sup> 2016, forecast predicts precipitation surplus over easternmost Mediterranean, part of south Turkey and South Caucasus, with up to 90% probability for exceeding upper tercile.“**

### Monitoring

In the period from May 15<sup>th</sup> to 21<sup>st</sup> 2016, above normal air temperature<sup>1</sup> was registered in most of Turkey, and south Caucasus, with anomaly ranging from +1°C up to +5°C. Below normal air temperature was observed in rest of the region, with anomaly ranging from -1°C up to -3°C, in southwestern and northeastern part of Serbia even up to -5°C. Weekly precipitation sums were ranged from 25 mm up to 100 mm in southern and western Balkans, in some parts of Romania, south Caucasus and along the coasts of Black See.

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

## **Outlook**

Within the first week (May 23<sup>rd</sup> to 29<sup>th</sup>, 2016), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly up to -3°C, in Turkey and southern Adriatic, with probability up to 90%. Precipitation deficit is predicted for southern Balkans with around 80% probability for exceeding lower tercile. Precipitation surplus is expected in southern and central part of Turkey as well as in South Caucasus with up to 80% probability for exceeding upper tercile.

During the second week (May 30<sup>th</sup> to June 5<sup>th</sup>, 2016), above normal mean weekly air temperature, with anomaly ranging from +1°C to +3°C, is expected in the Balkans and most part of Turkey. Probability for exceeding upper tercile is up to 80%. Precipitation deficit is predicted over southern Balkans and most part of Turkey with around 60% probability for exceeding lower tercile.

In the period from May 23<sup>rd</sup> to June 19<sup>th</sup> 2016, above normal mean monthly air temperature is forecasted for southern Balkans, Aegean Sea and western Turkey with anomaly up to +2°C. Probability for exceeding upper tercile is around 70%. Precipitation surplus is forecasted over easternmost Mediterranean, part of south Turkey and South Caucasus, with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for southern Balkans with around 70% probability for exceeding lower tercile.

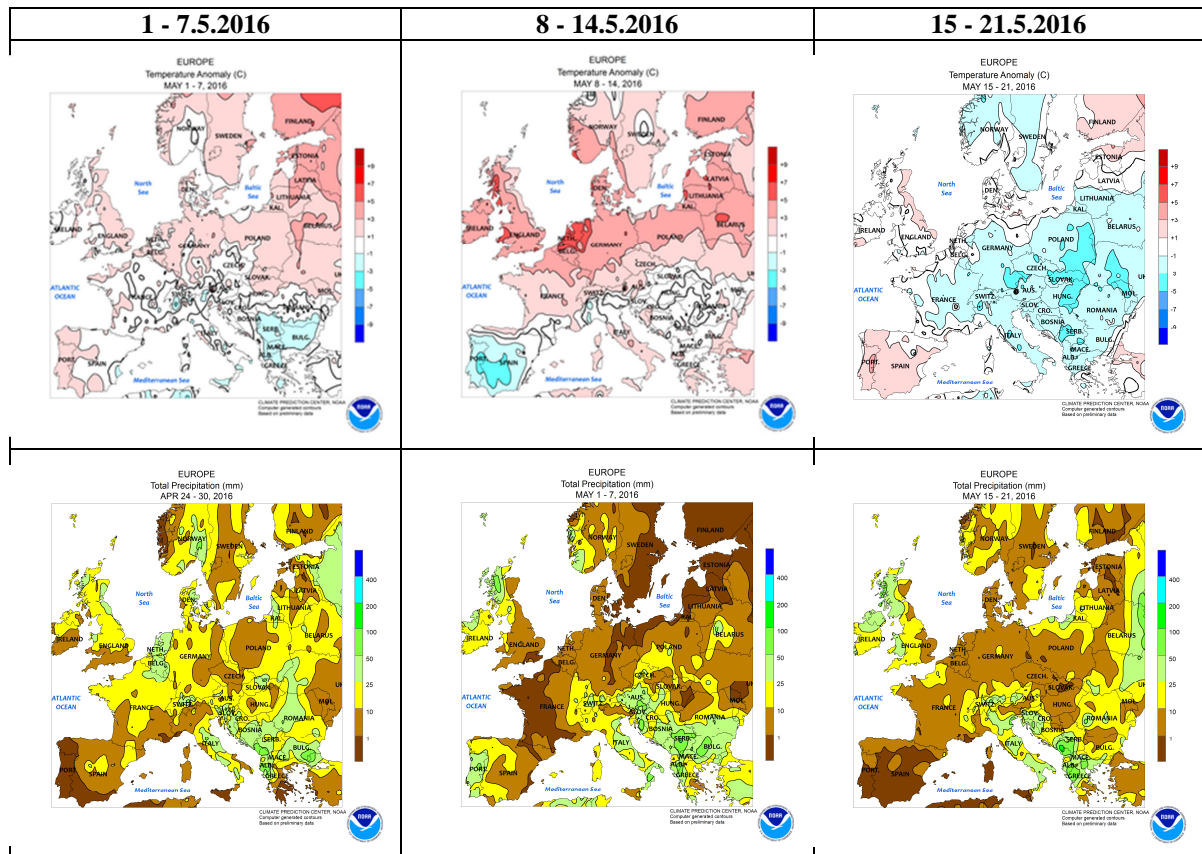
During the following three months (June, July and August) SEEVCCC seasonal forecast predicts above normal seasonal air temperature over the Balkans, some parts of south Caucasus, central and eastern Turkey. Precipitation surplus is predicted over Carpathian and Rhodope Mountains, northeastern Turkey, as well as south Caucasus. Precipitation deficit is expected over Pannonian plain, Ionian and Aegean Sea, Cyprus, western and southern Turkey.

## **Update**

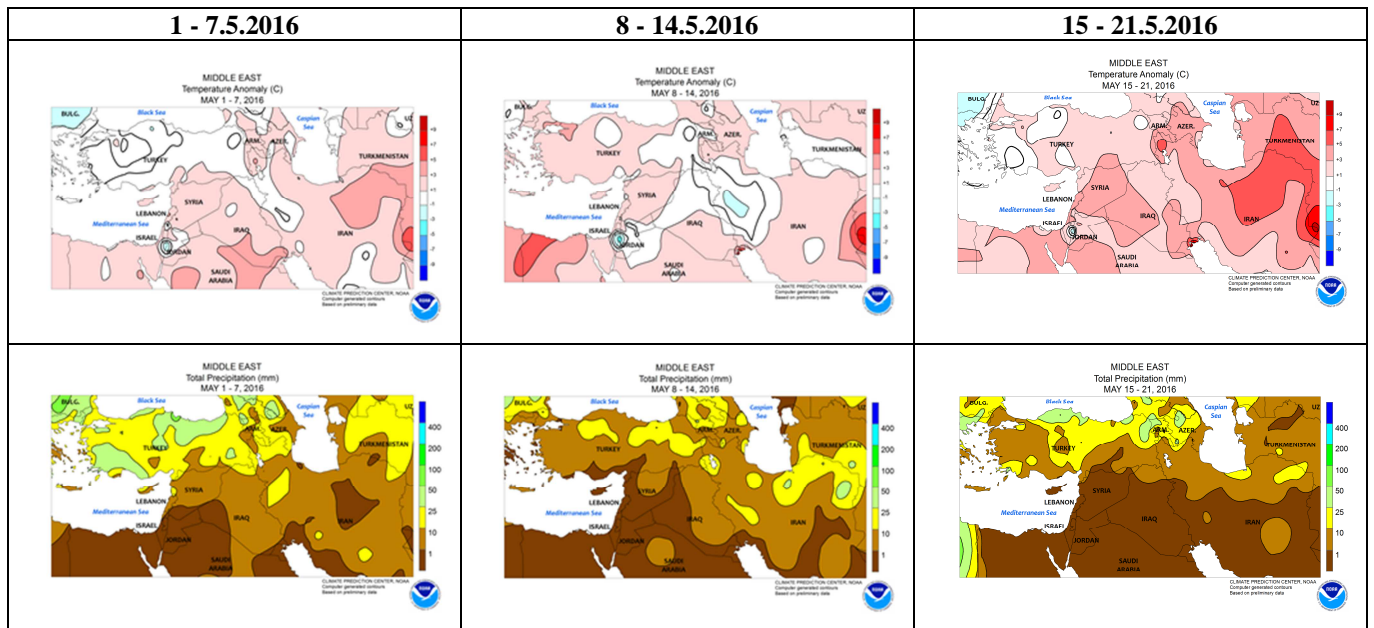
An updated statement will be issued on 30-5-2016

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

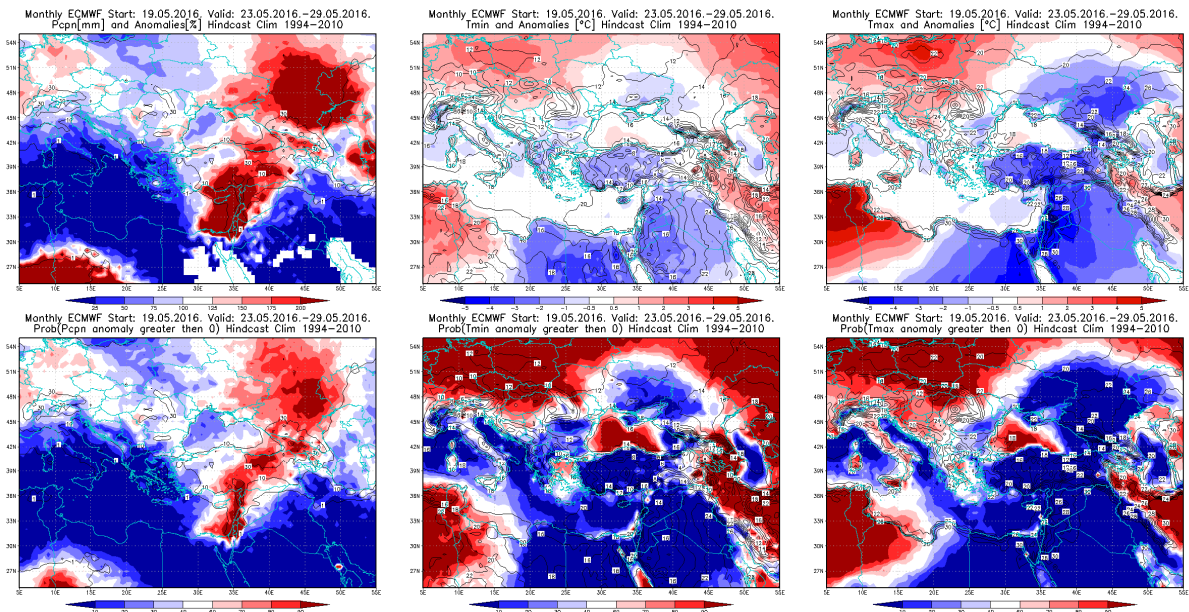
# ANNEX



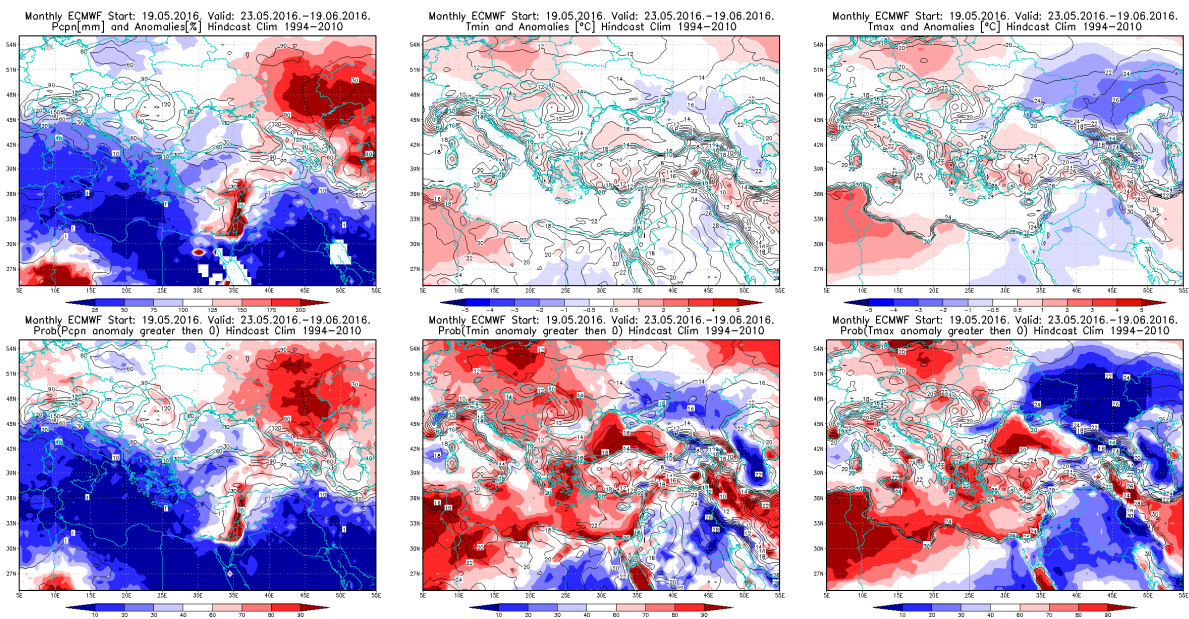
**Figure1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



**Figure2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

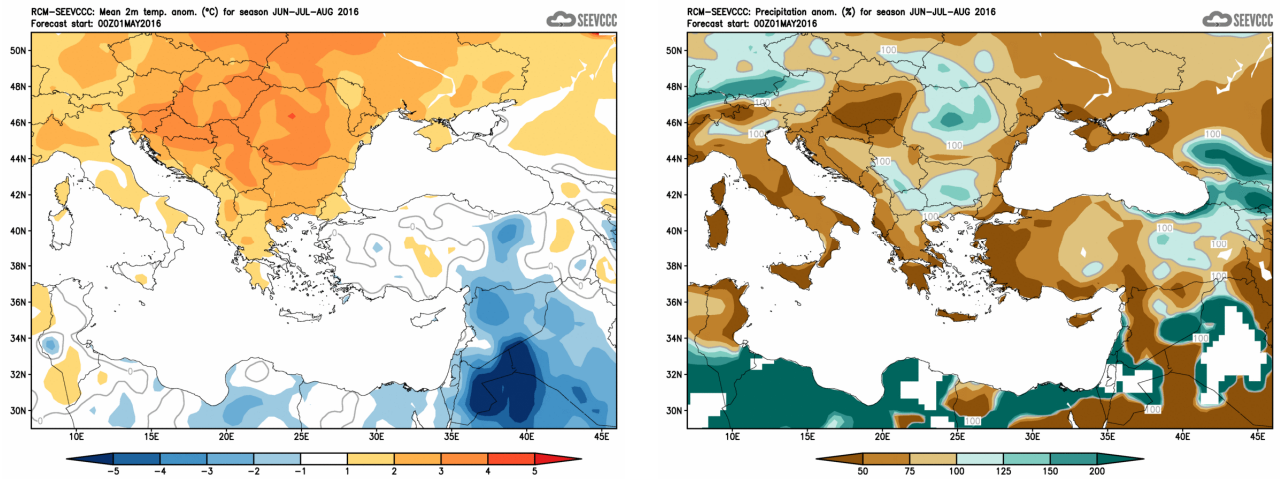


**Figure3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 23–29.5.2016 period



**Figure4.** 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 23.5–19.6.2016 period





**Figure 5.** Mean seasonal temperature and precipitation anomaly for the season JJA (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/>)