

## Climate Watch (Serial No.: 20150216 – 00)

Initial/Updated/Final

Topic: precipitation  
Organization issuing  
the statement: SEEVCCC

Issued/ Amended /  
Cancelled 16-2-2015 12:00 P.M.

Contact: E-mail: [cws-seevccc@hidmet.gov.rs](mailto:cws-seevccc@hidmet.gov.rs)  
Phone: +381112066925  
Fax: +381112066929

Valid from – to: 16-2-2015 – 1-3-2015 Next amendment: 23-2-2015

Region of concern: South-Eastern Europe

**„From February 16<sup>th</sup> to 22<sup>nd</sup>, 2015, below normal mean weekly air temperature is expected in Turkey, south Caucasus and Greece, with anomaly in a range from -1°C up to -4°C. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected over Adriatic and Ionian Sea. Probability for exceeding upper tercile is up to 80%.“**

### Monitoring

In the period from February 8<sup>th</sup> to 14<sup>th</sup>, 2015 below normal air temperature<sup>1</sup> was registered over most part of the SEE region, with anomaly up to -5°C. In south Caucasus and central and eastern Turkey above normal air temperature was observed, with anomaly up to +7°C. Weekly precipitation sums, reaching 100 mm, were observed in Cyprus and most part of Turkey. In southern Turkey weekly precipitation sums reached 200 mm.

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

## **Outlook**

Within the first week (February 16<sup>th</sup> to 22<sup>nd</sup>, 2015), ECMWF monthly forecast predicts below normal mean weekly air temperature in Turkey, south Caucasus and Greece, with anomaly in a range from -1°C up to -4°C. Probability for exceeding lower tercile is up to 90%. Precipitation deficit is expected over most part of the SEE region. Precipitation surplus is expected over Adriatic and Ionian Sea. Probability for exceeding lower/upper tercile is up to 80%.

During the second week (February 23<sup>rd</sup> to March 1<sup>st</sup>, 2015), below normal mean weekly air temperature is forecast for most of the Balkans, with anomaly up to -2°C. Above normal mean weekly air temperature is expected in eastern Turkey and south Caucasus, with anomaly up to +2°C. Probability for exceeding lower/upper tercile is around 60%. Precipitation surplus is expected over most part of the SEE region with less probability.

In the period from February 16<sup>th</sup> to March 15<sup>th</sup>, 2015, below normal mean weekly air temperature is forecast for most of the Balkans and central Turkey, with anomaly up to -2°C. This event is expected with less probability. Precipitation surplus is expected in southern Greece, over Adriatic and Aegean Sea and eastern Mediterranean. Probability for exceeding upper tercile is around 70%.

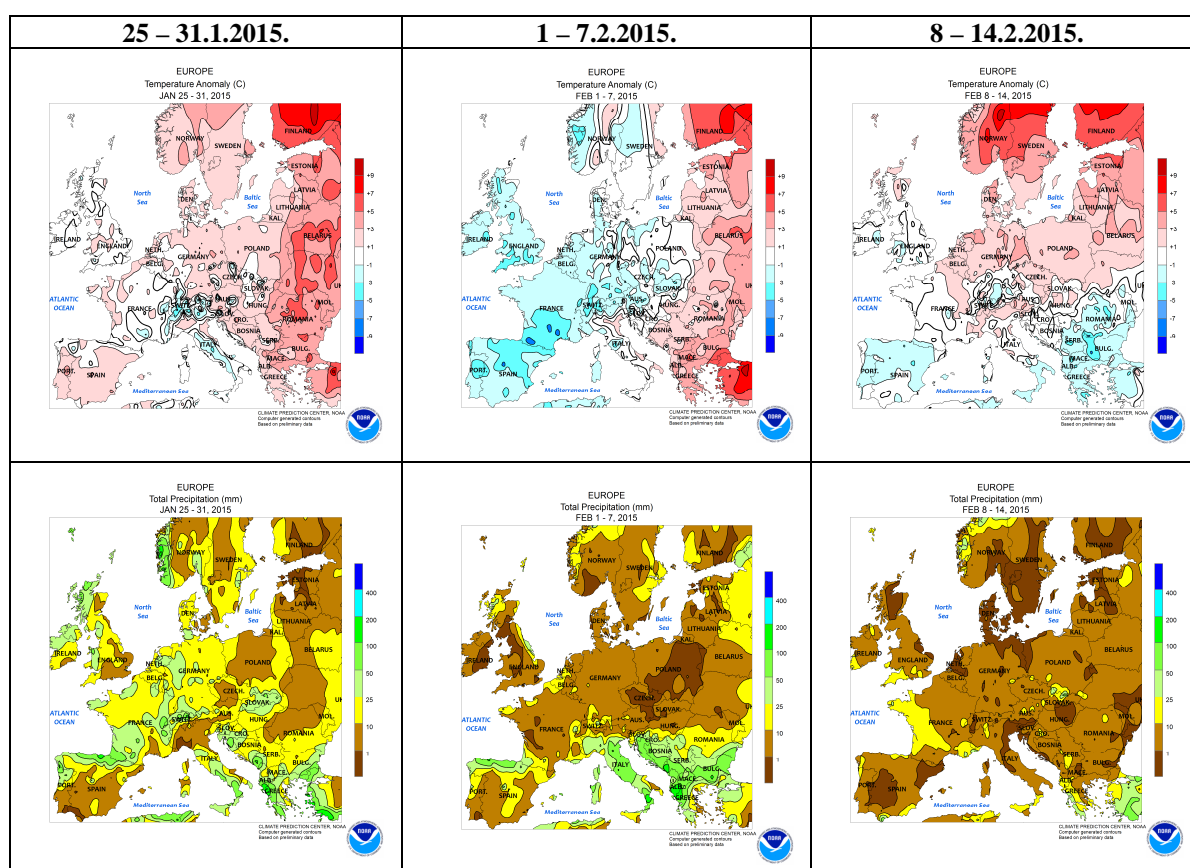
During the following three months (February, March and April) SEEVCCC seasonal forecast predicts above average air temperature over most part of the region. Precipitation surplus is predicted for northern Turkey, south Caucasus and western Romania as well as along the Adriatic coast.

## **Update**

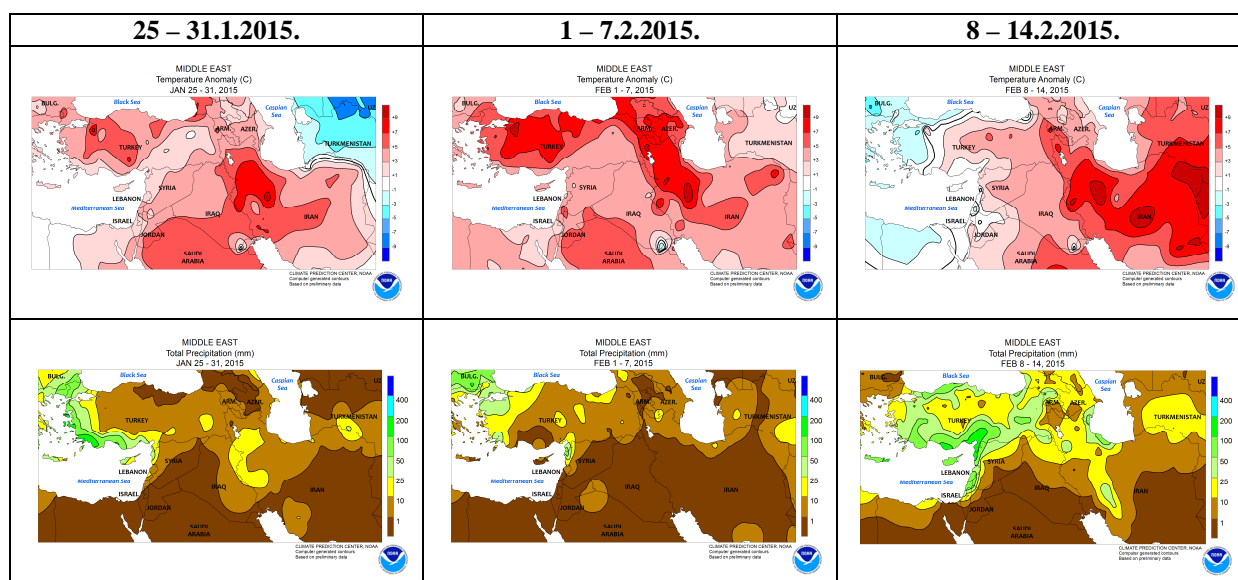
An updated statement will be issued on 23-2-2015

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

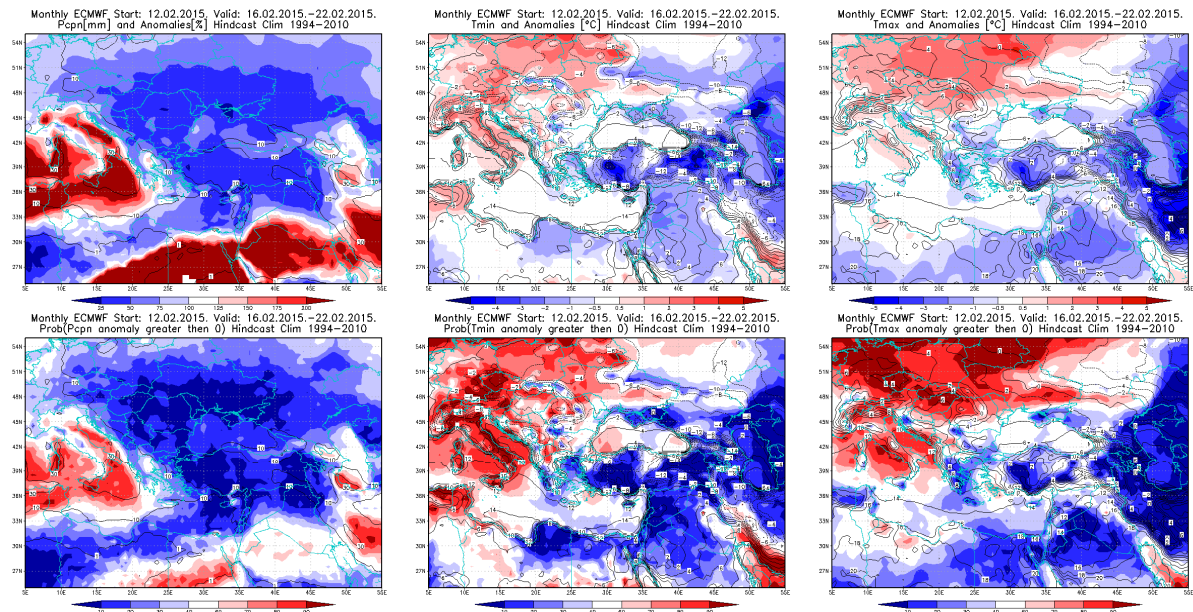
## ANNEX



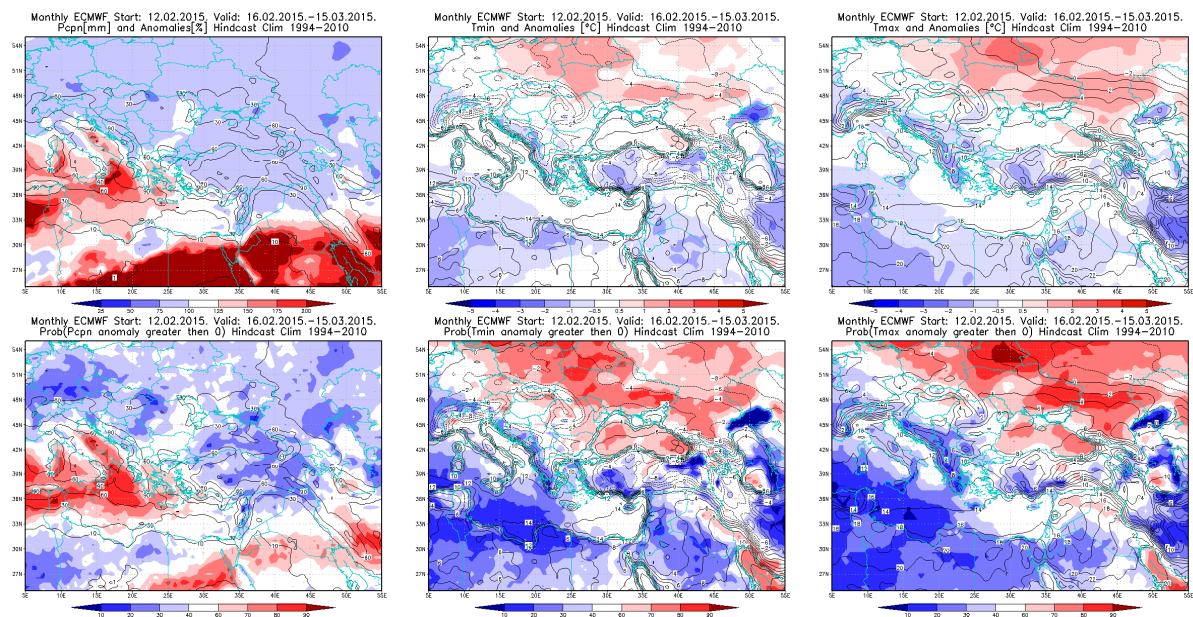
**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)



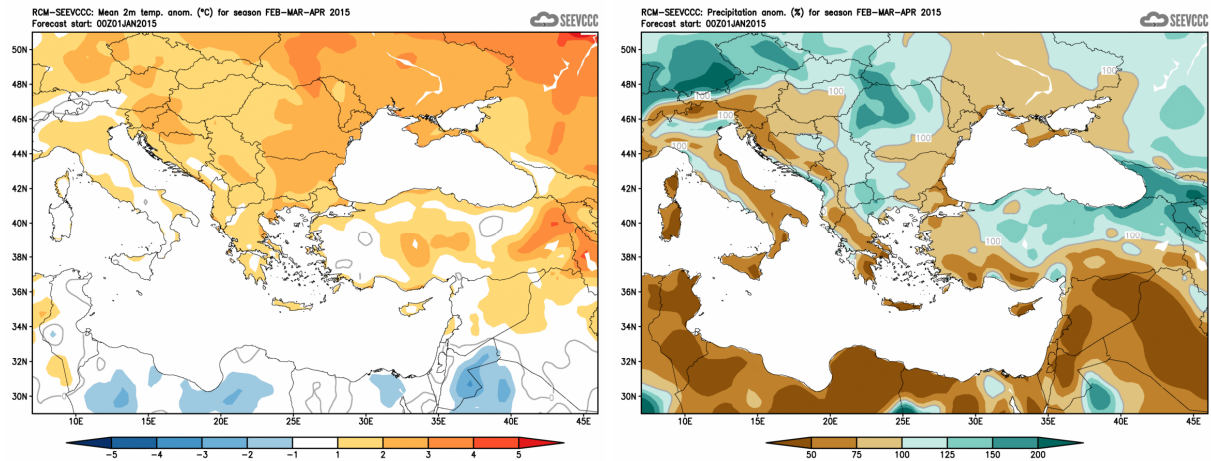
**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 16 – 22.2.2015 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 16.2 – 15.3.2015 period



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