

Climate Watch (Serial No.: 20141229 – 00)

Initial/Updated/Final

Topic: precipitation
Organization issuing the statement: SEEVCCC

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Cancelled

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Valid from – to: 29-12-2014 – 11-1-2015 Next amendment: 5-1-2015

Region of concern: South-Eastern Europe

„From December 29th, 2014 to January 4th, 2015, below normal mean weekly air temperature, with anomaly up to -5°C is forecast for the Balkans. Probability for exceeding lower tercile is around 90%. Precipitation surplus is expected over Greece and Turkey with 90% probability for exceeding upper tercile.“

Monitoring

In the period from December 21st to 27th, 2014 above normal air temperature¹ was registered in the entire SEE region, with anomaly up to +7°C in parts of Croatia, Bulgaria, Romania and Moldova. Weekly precipitation sums, reaching 100 mm, were observed over central part of Romania and western and southern part of Turkey.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (December 29th, 2014 to January 4th, 2015), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly up to -5°C in the Balkans. Probability for exceeding lower tercile is around 90%. Above normal mean weekly air temperature, with anomaly around +2°C, is expected in central and eastern Turkey. Probability for exceeding upper tercile is around 70%. Precipitation deficit is forecast over western Balkans with 80% probability for exceeding lower tercile. Precipitation surplus is expected over Greece and Turkey with 90% probability for exceeding upper tercile.

During the second week (December 5th, 2014 to January 11th, 2015), below normal mean weekly air temperature, with anomaly around -3°C, is forecast for most part of the region. Probability for exceeding lower tercile is up to 80%. Average amount of precipitation is forecast for most part of the Balkans.

In the period from December 29th, 2014 to January 25th, 2015, below normal mean monthly air temperature, with anomaly around -3°C, is expected for most part of the SEE region with 80% probability for exceeding lower tercile. Average amount of precipitation is expected for most part of the Balkans. Precipitation surplus is expected over northern and western Turkey with 80% probability for exceeding upper tercile.

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

Update

An updated statement will be issued on 5-1-2015

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

ANNEX

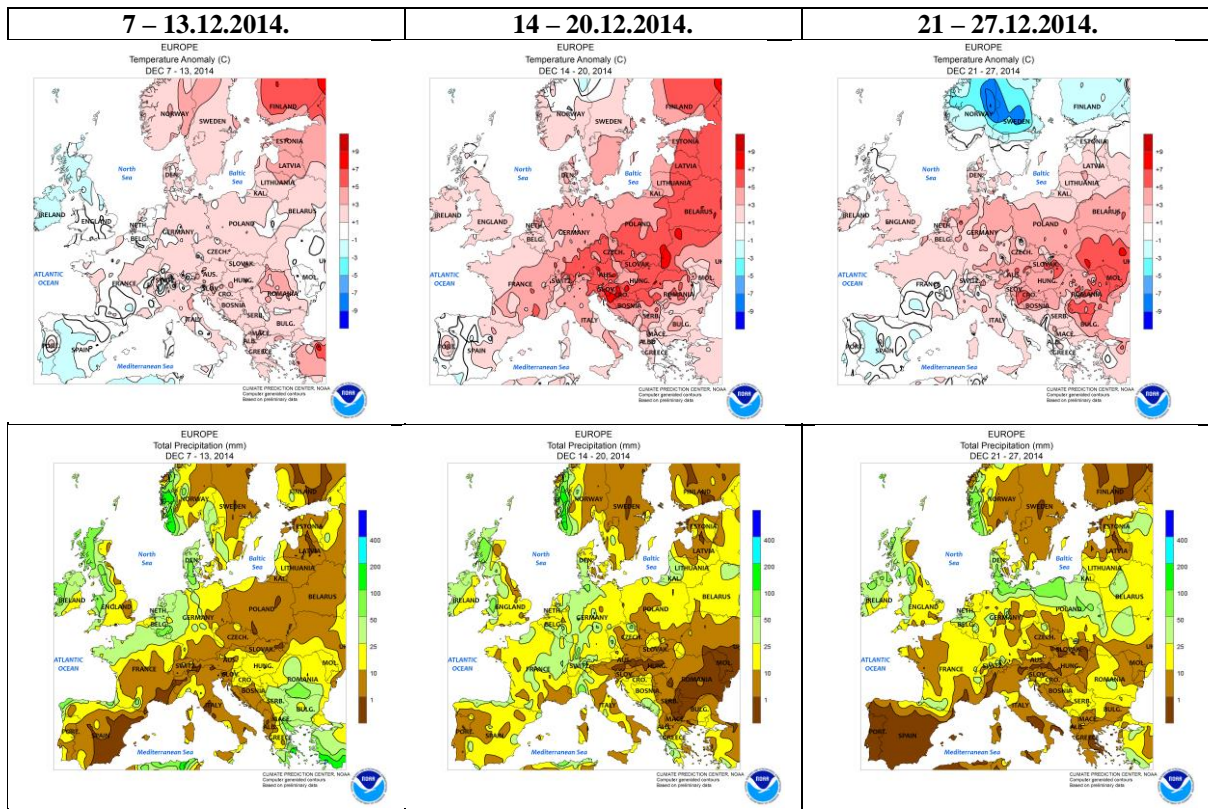


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

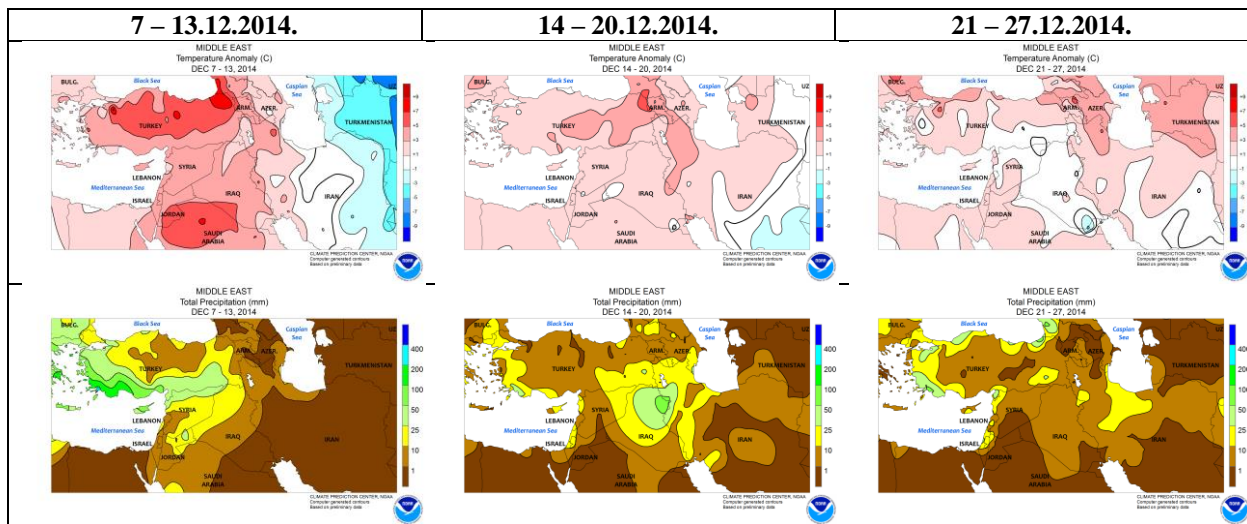


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

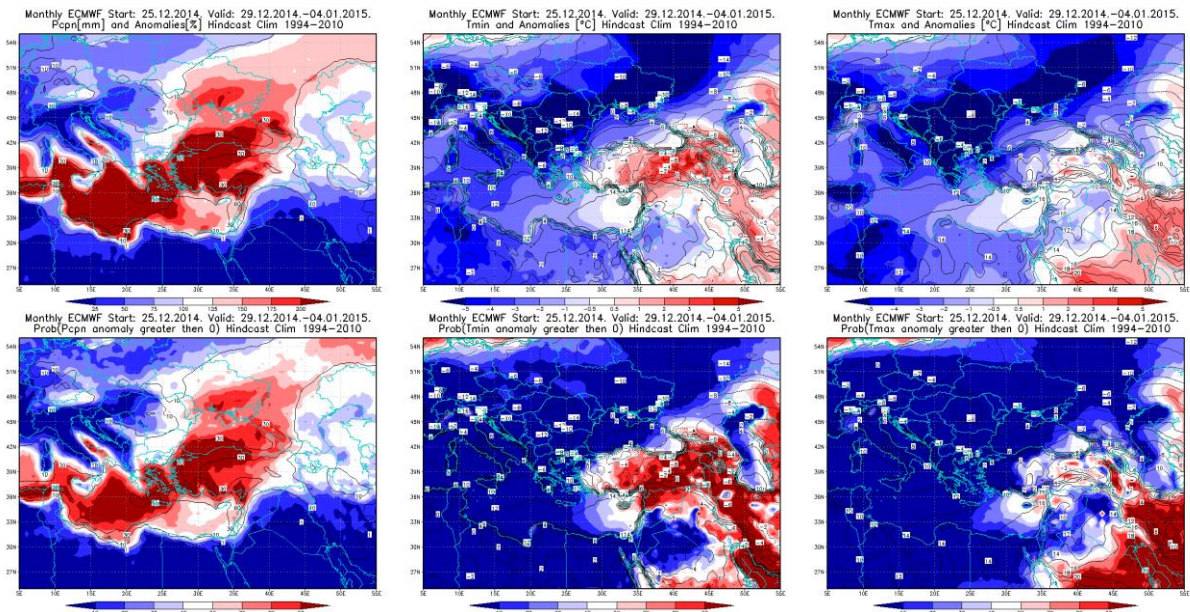


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 29.12.2014 – 4.1.2015 period

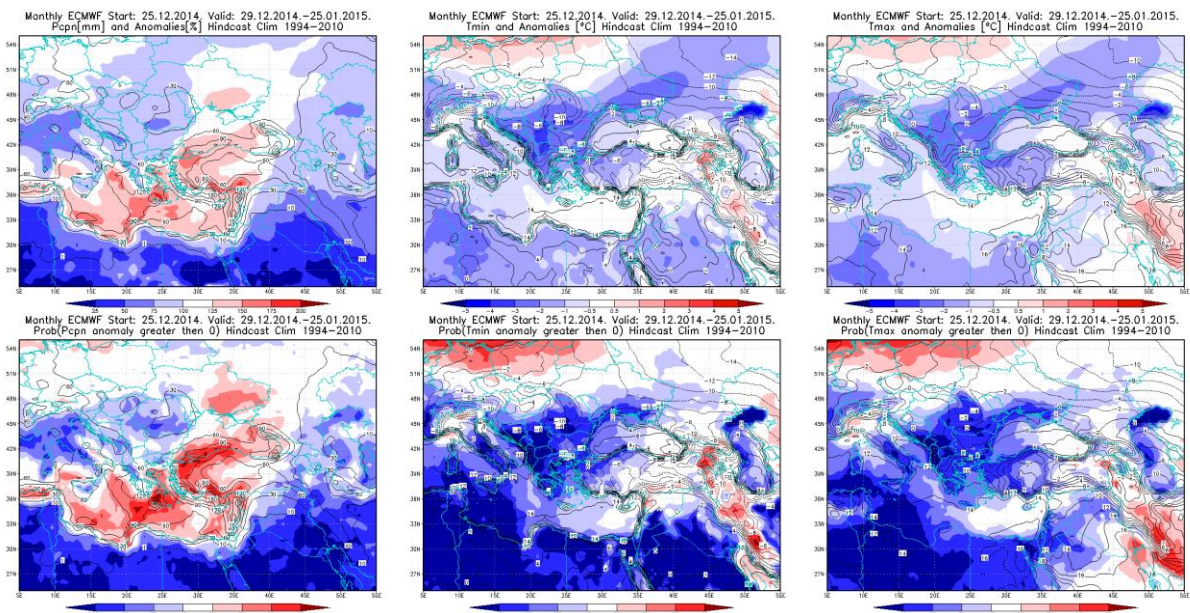


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 29.12.2014 – 25.1.2015 period

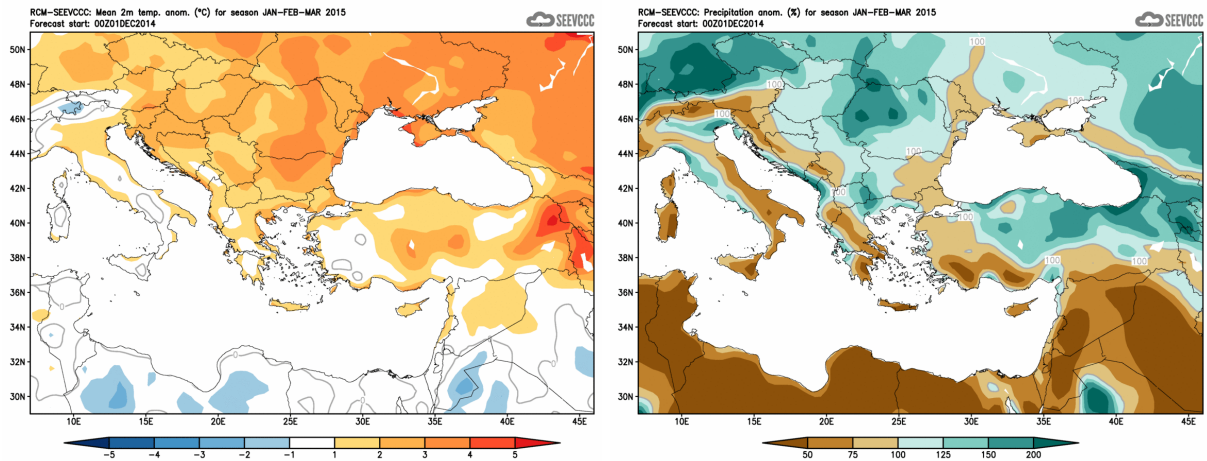


Figure 5. Mean seasonal temperature and precipitation anomaly for the season JFM (seasonal outlook from RCM – SEEVCCC)

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/>)