

Climate Watch (Serial No.: 20141201 – 00)

Initial/Updated/Final

Topic: precipitation
Organization issuing
the statement: SEEVCCC

Issued/ Amended /
Cancelled 1-12-2014 12:00 P.M.

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Valid from – to: 1-12 – 14-12-2014 Next amendment: 8-12-2014

Region of concern: South-Eastern Europe

„During the next week, below normal temperature, with anomaly up to -5°C is expected in most of Balkans, Romania, Moldova, and south Caucasus. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is forecast for most of the SEE region with up to 90% probability for exceeding upper tercile“.

Monitoring

In the period from November 23rd to 29th, 2014 above normal air temperature¹, with anomaly up to +5°C, was registered along Adriatic coast, while in Moldova, most part of Romania, Bulgaria, Turkey and south Caucasus anomaly reached up to -5°C. Weekly precipitation sums ranging from 25 mm to 100 mm were observed in Montenegro, southern and northern Turkey and part of south Caucasus.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (December 1st to 7th, 2014), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +3°C in southern Balkans, Cyprus and most of Turkey. Temperature below normal, with anomaly up to -5°C is expected in most of Balkans, Romania, Moldova, and south Caucasus. Probability for exceeding upper/lower tercile is up to 90%. Precipitation surplus is forecast for most of the SEE region with up to 90% probability for exceeding upper tercile.

During the second week (December 8th to 14th, 2014), below normal mean weekly air temperature, with anomaly up to -4°C, is forecast for the whole SEE region. Probability for exceeding lower tercile is around 60%. Precipitation surplus is expected in eastern and central Turkey and south Caucasus. Precipitation deficit is forecast for northern and central Serbia, northwestern Romania and southern Montenegro. Probability for exceeding upper/lower tercile is expected with less confidence.

In the period from December 1st to 28th 2014, below normal mean monthly air temperature, with anomaly around -3°C, is forecast for Moldova, most of Romania, northernmost Bulgaria, northeastern Turkey and south Caucasus. Probability for exceeding lower tercile is around 70%. Precipitation surplus is expected in southern Romania, eastern Bulgaria, central and eastern Turkey and south Caucasus. Probability for exceeding upper tercile is around 80%.

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

Update

An updated statement will be issued on 8-12-2014

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

ANNEX

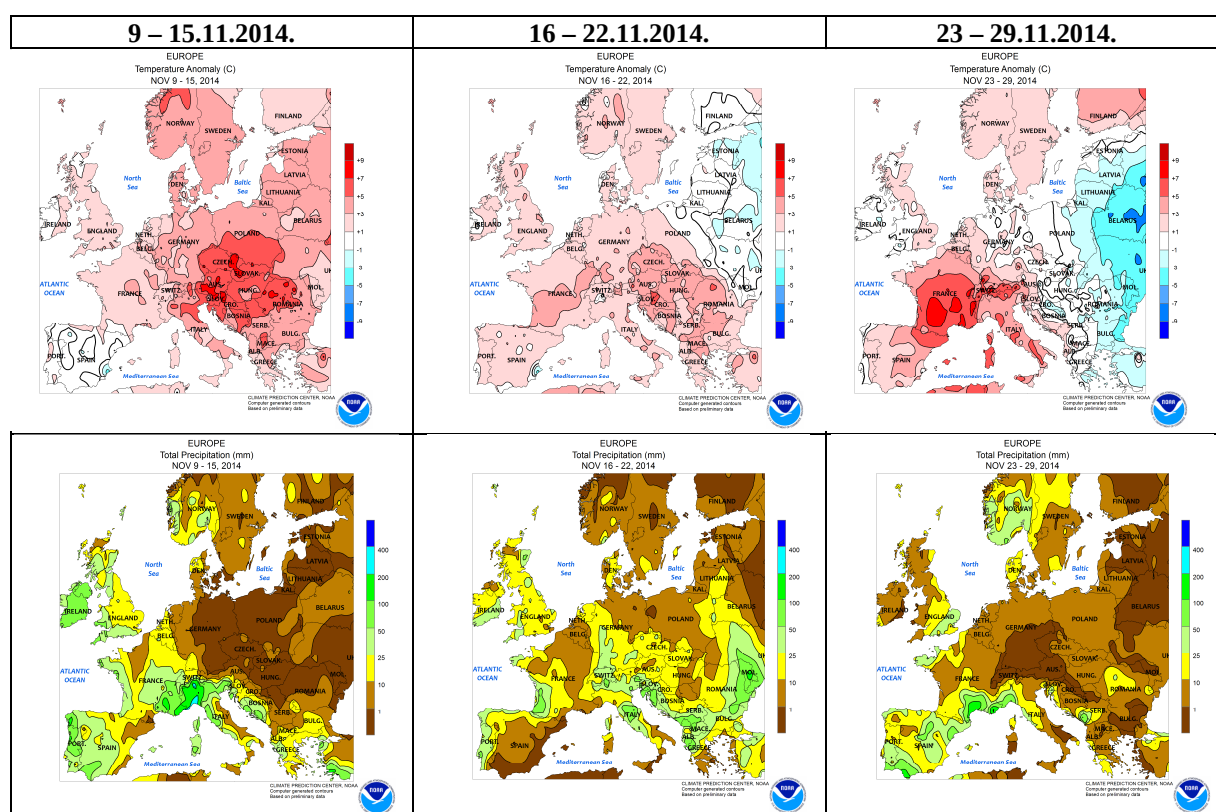


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

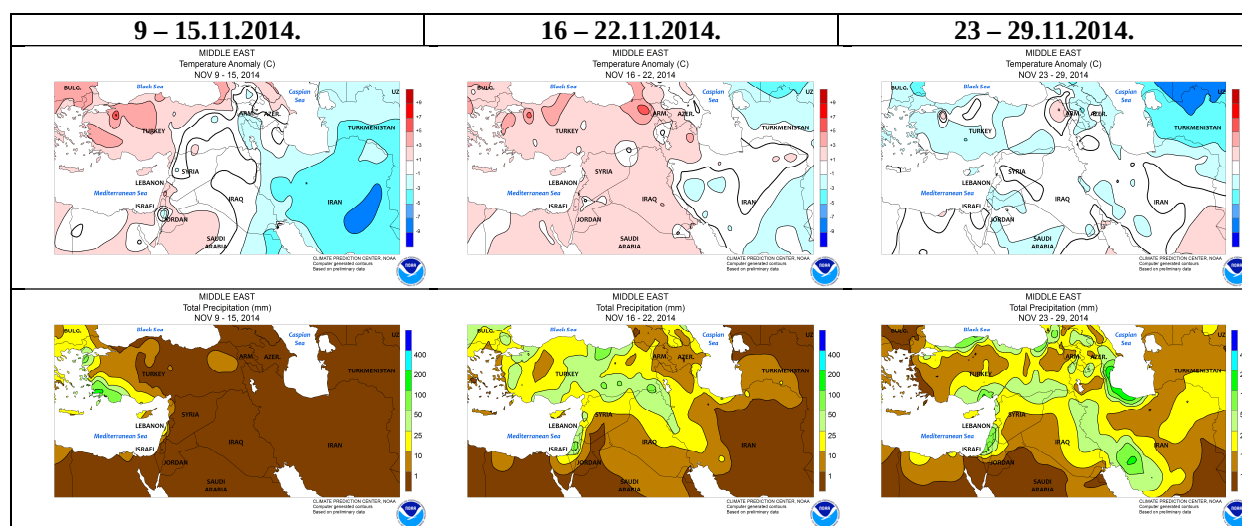


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

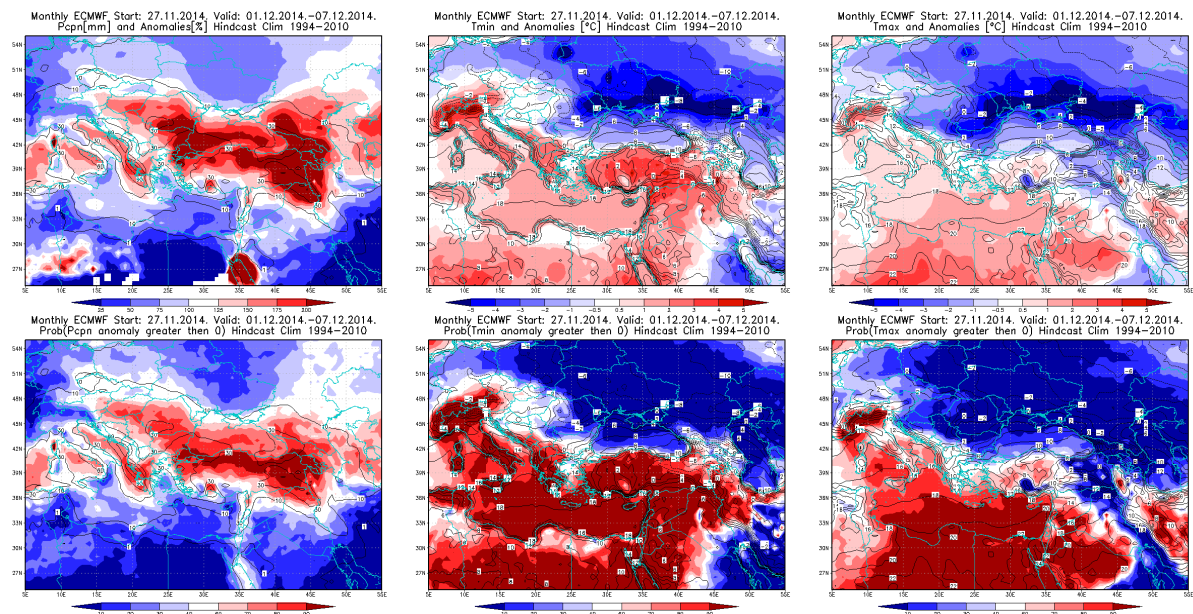


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 1 – 7.12.2014 period

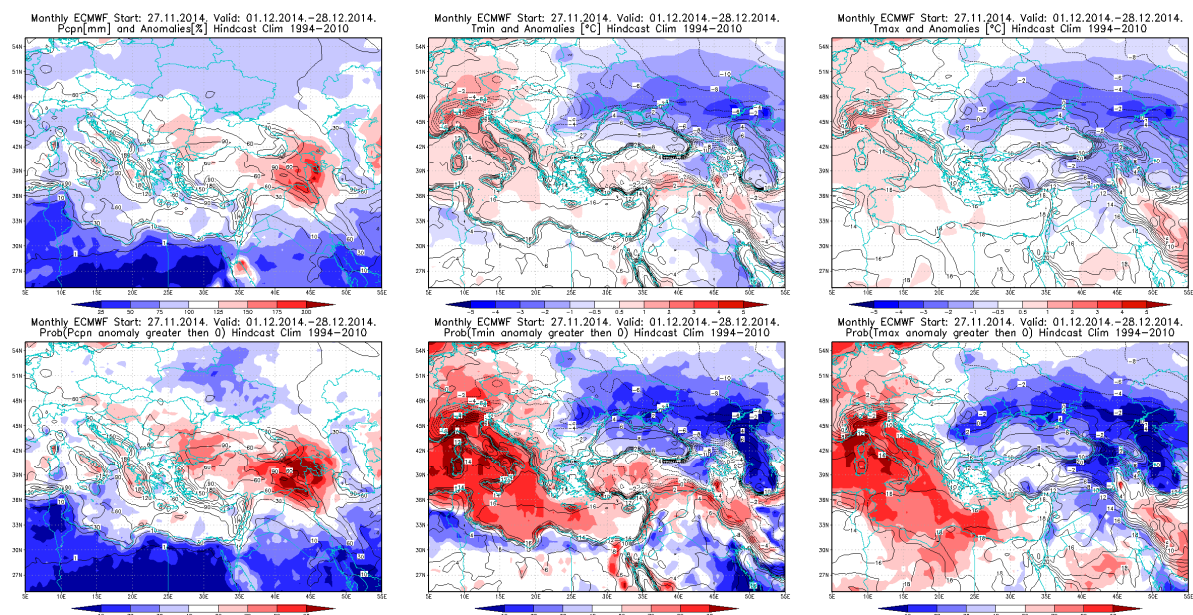


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 1 – 28.12.2014 period

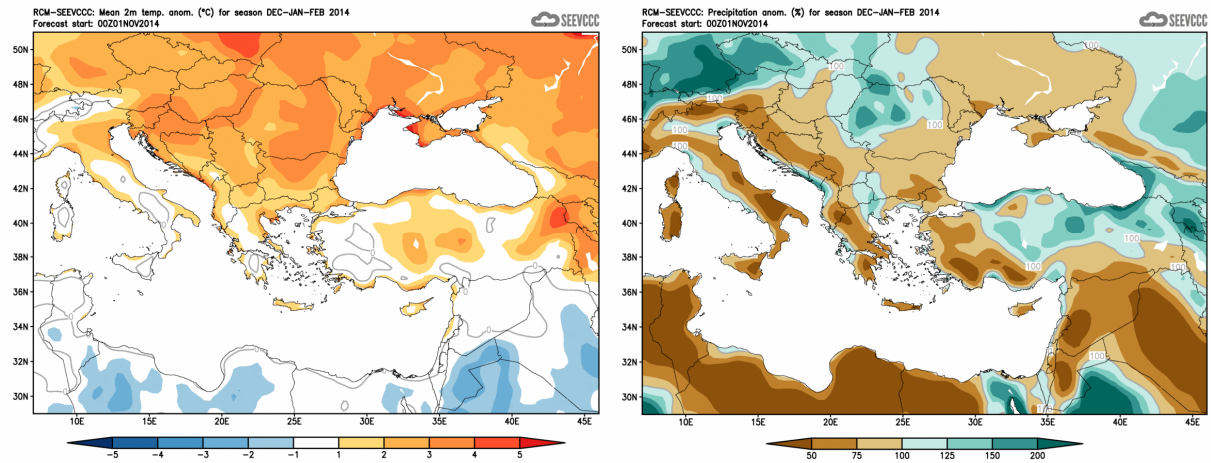


Figure 5. Mean seasonal temperature and precipitation anomaly for the season DJF (seasonal outlook from RCM – SEEVCCC)

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/>)