

Climate Watch (Serial No.: 20150223 – 00)

Initial/Updated/Final

Topic: precipitation
Organization issuing
the statement: SEEVCCC

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Cancelled

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Valid from – to: 23-2-2015 – 8-3-2015 Next amendment: 2-3-2015

Region of concern: South-Eastern Europe

„From February 23rd to March 22nd, 2015, precipitation surplus is expected over central, southern and eastern Balkans, western Turkey and Cyprus. Over Aegean Sea, probability for exceeding upper tercile is up to 90%“

Monitoring

In the period from February 15th to 21st, 2015 below normal air temperature¹ with anomaly up to -7°C was registered over central, eastern and southern Balkans, in addition to northern and western half of Turkey. Western Balkans, western part of south Caucasus and eastern Turkey observed above normal air temperature, with anomaly up to +5°C. Weekly precipitation sums, reaching 100 mm, were observed in coastal areas of south Caucasus, northern and southern Turkey. Central parts of Turkey, Cyprus and most part of south Caucasus received up to 25 mm of precipitation. In other parts of the SEE region weekly precipitation totals were below 10 mm.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (February 23rd to March 1st, 2015), ECMWF monthly forecast predicts above normal mean weekly air temperature in southeastern Balkans, northeastern Turkey and western parts of Caucasus, with anomaly up to +3°C. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected over most part of the Balkans, especially over Aegean Sea, southwestern Turkey and Cyprus, where probability for exceeding upper tercile is up to 90%.

During the second week (March 2nd to 8th, 2015), below normal mean weekly air temperature is forecast for southwestern Balkans and southwestern Turkey, with anomaly up to -2°C. Probability for exceeding lower tercile is up to 60%. Precipitation surplus is expected over central Balkans, Carpathians, south Aegean Sea, Cyprus, southern and northern Turkey, and western Caucasus region with up to 70% probability for exceeding upper tercile.

In the period from February 23rd to March 22nd, 2015, below normal mean monthly air temperature is forecast for western Balkans, with anomaly up to -2°C. Above normal mean monthly air temperature is expected in south Caucasus, with anomaly up to +2°C. Probability for exceeding lower/upper tercile is up to 60%. Precipitation surplus is expected over central, southern and eastern Balkans, western Turkey and Cyprus. Over Aegean Sea, probability for exceeding upper tercile is up to 90%.

During the following three months (March, April and May) SEEVCCC seasonal forecast predicts average air temperature over most part of the SEE region. Precipitation surplus is predicted for Carpathian region, northeastern Turkey and south Caucasus, while deficit is expected over southern Aegean Sea and Cyprus.

Update

An updated statement will be issued on 2-3-2015

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

ANNEX

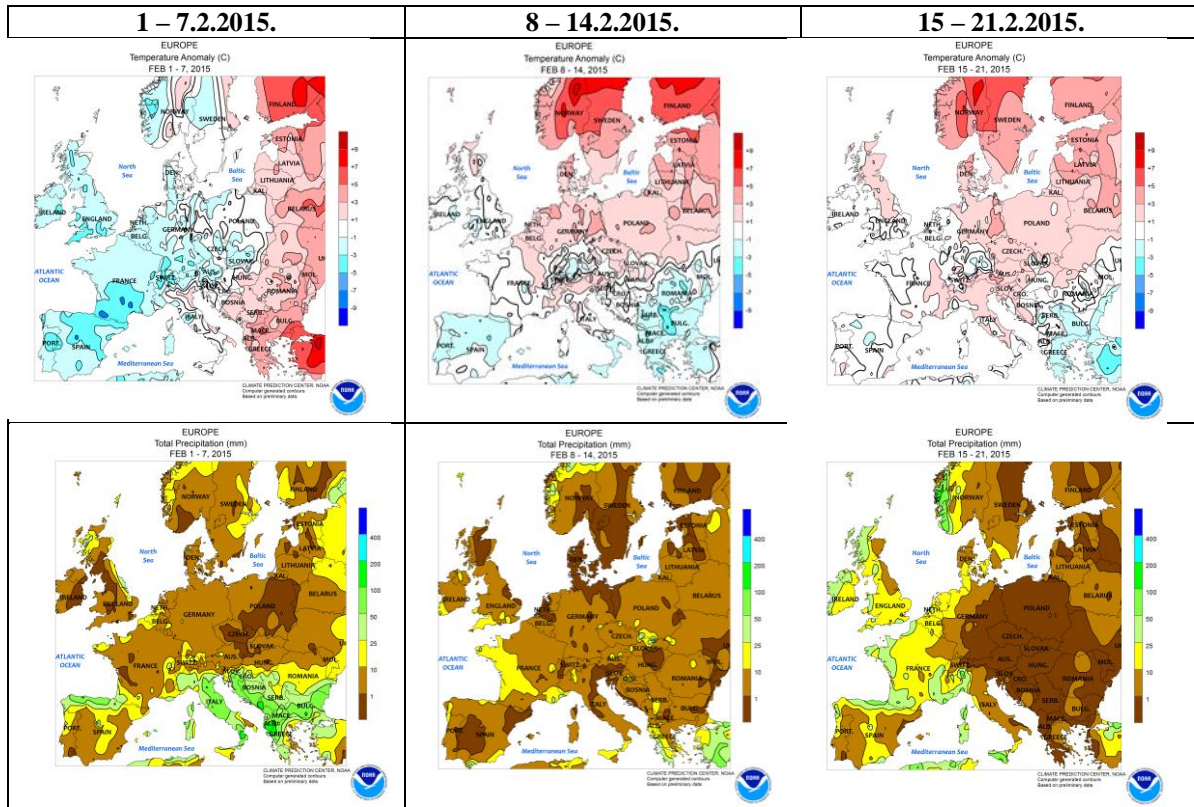


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

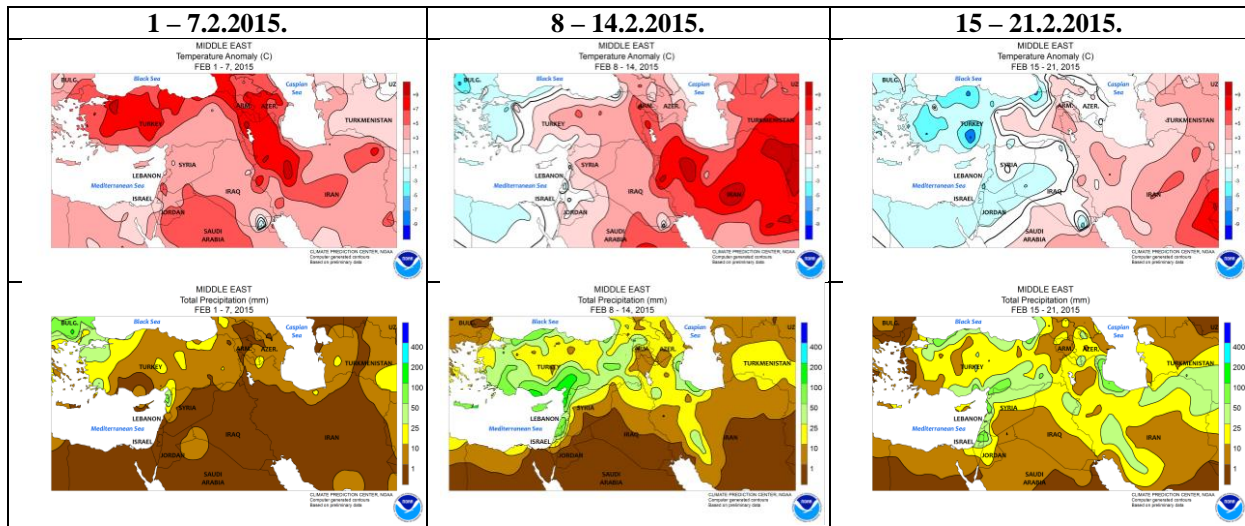


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

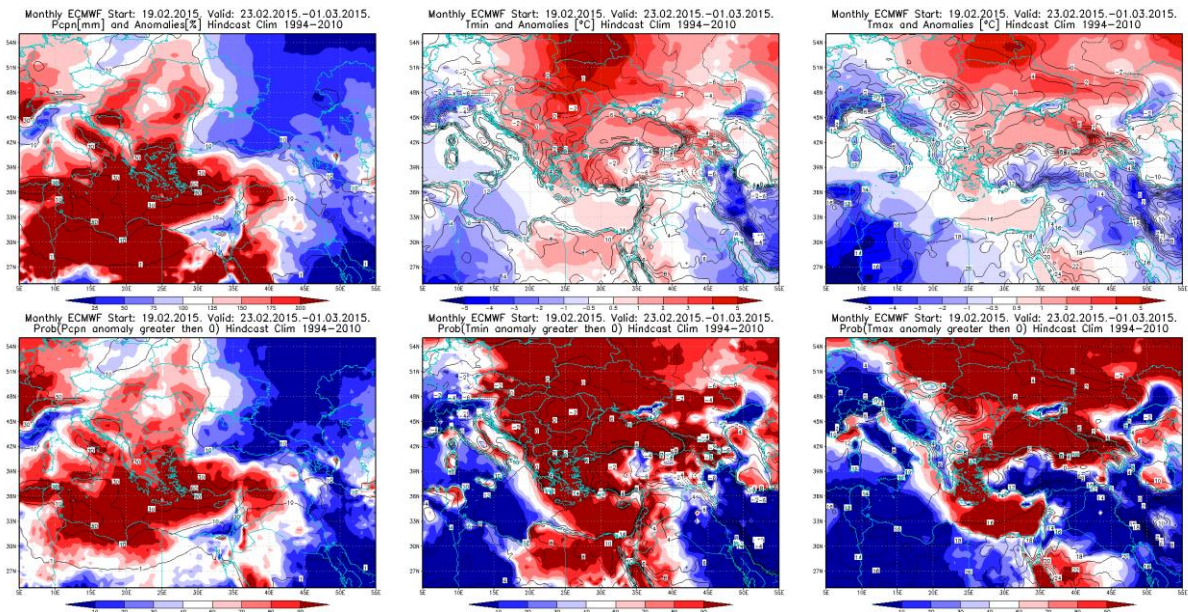


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 23.2 – 1.3.2015 period

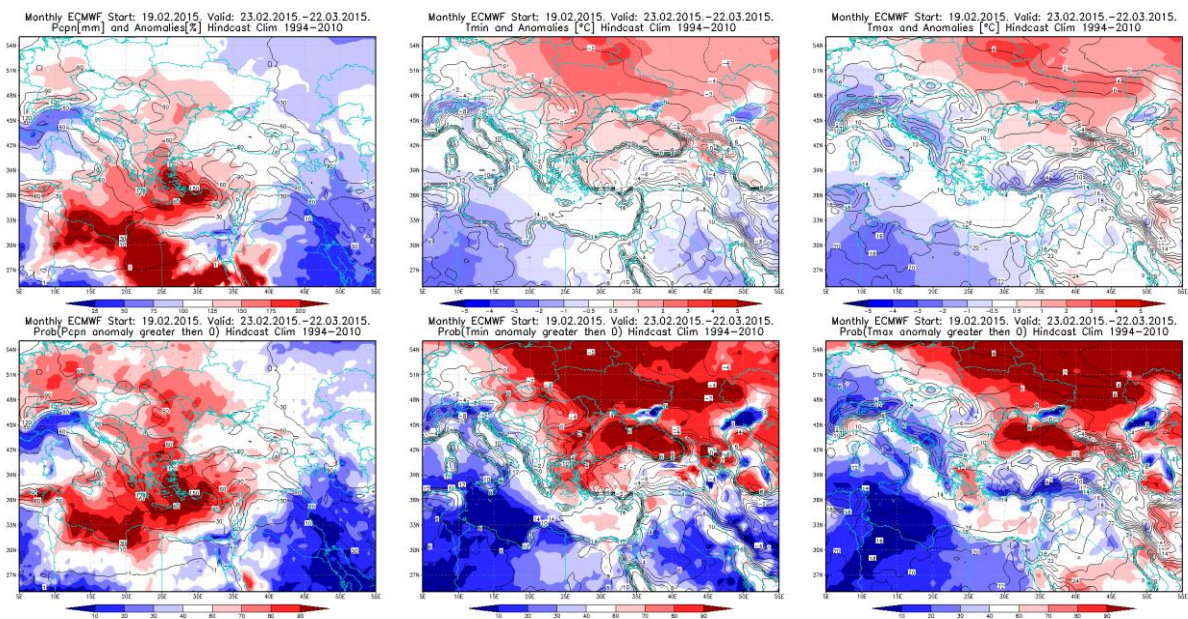


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 23.2 – 22.3.2015 period

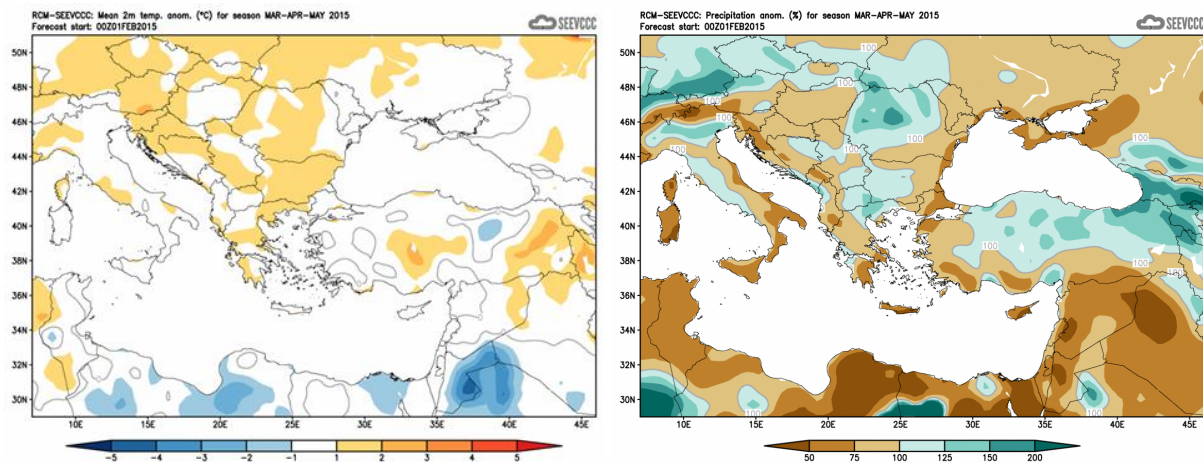


Figure 5. Mean seasonal temperature and precipitation anomaly for the season MAM (seasonal outlook from RCM – SEEVCCC)

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/>)