

Climate Watch (Serial No.: 20150824 – 00)

Initial/**Updated**/Final

Topic: precipitation
Organization issuing
the statement: SEEVCCC

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Cancelled

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Valid from – to: 24-8-2015 – 6-9-2015 Next amendment: 31-8-2015

Region of concern: SEE region

„In the period from August 24th to 30th, 2015, monthly forecast predicts below normal mean weekly air temperature, with anomaly from -1°C to -3°C in most part of the SEE region, in eastern Balkans, western Turkey and south Caucasus even up to -4°C. Probability for exceeding lower tercile is around 90%. Precipitation surplus is expected in most part of Bulgaria, eastern Romania, Greece, southern and eastern Turkey and south Caucasus with around 90% probability for exceeding upper tercile.“

Monitoring

In the period from August 16th to 22nd 2015 above normal air temperature¹ with anomaly up to +5°C was observed in Turkey, south Caucasus, eastern Bulgaria and southern Greece. Weekly precipitation sums up to 100 mm are registered over central and western Balkans as well as in part of northern Turkey.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (August 24th to 30th, 2015), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly from -1°C to -3°C in most part of the SEE region, in eastern Balkans, western Turkey and south Caucasus even up to -4°C. Probability for exceeding lower tercile is around 90%. Precipitation surplus is expected in most part of Bulgaria, eastern Romania, Greece, southern and eastern Turkey and south Caucasus with around 90% probability for exceeding upper tercile.

During the second week (August 31st to September 6th, 2015), below normal mean weekly air temperature, with anomaly up to -2°C, is expected in eastern and southern part of the Balkans, in sothern Turkey and south Caucasus even up to -4°C. Probability for exceeding lower tercile is around 70%, in Turkey above 80%. Precipitation surplus is expected along Adriatic, in western part of the Balkans, in southern Greece and Turkey and south Caucasus with around 60% probability for exceeding upper tercile.

In the period from August 24th to September 20th, 2015, below normal mean weekly air temperature, with anomaly up to -2°C, is expected in southern and eastern part of the Balkans, south Caucasus and southern Turkey. Probability for exceeding lower tercile is around 80%. Precipitation surplus is expected in southern part of the Balkans, south Caucasus and southern and eastern Turkey. Probability for exceeding upper tercile is 60%, in south Caucasus and southern and eastern Turkey around 80%.

During the following three months (September, October and November) SEEVCCC seasonal forecast predicts above normal seasonal air temperature in northern and central part of the Balkans, most of Romania and Ukraine. Below normal seasonal air temperature is expected in most part of Turkey and Armenia. Precipitation surplus is predicted in mountainous regions of central and northern Romania, northern Greece, Adriatic Coast, most of Turkey and south Caucasus, while precipitation deficit is expected over most part of the Balkans.

Update

An updated statement will be issued on 31-8-2015

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

ANNEX

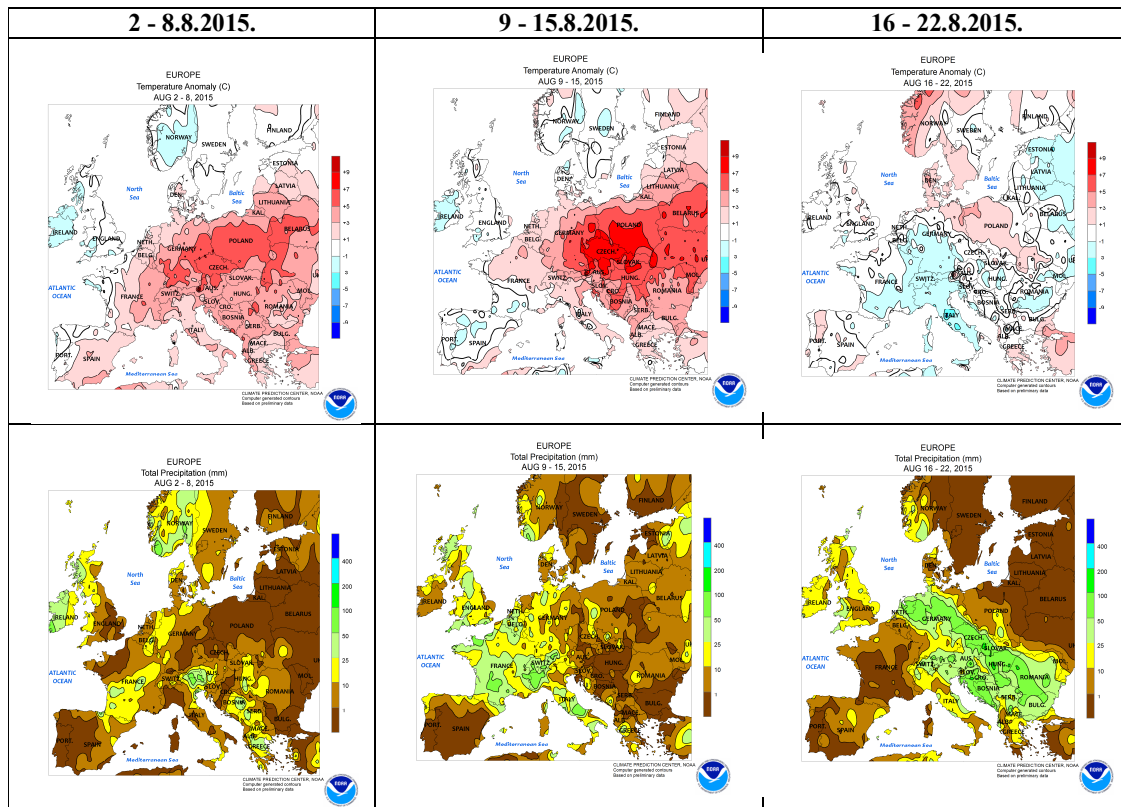


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

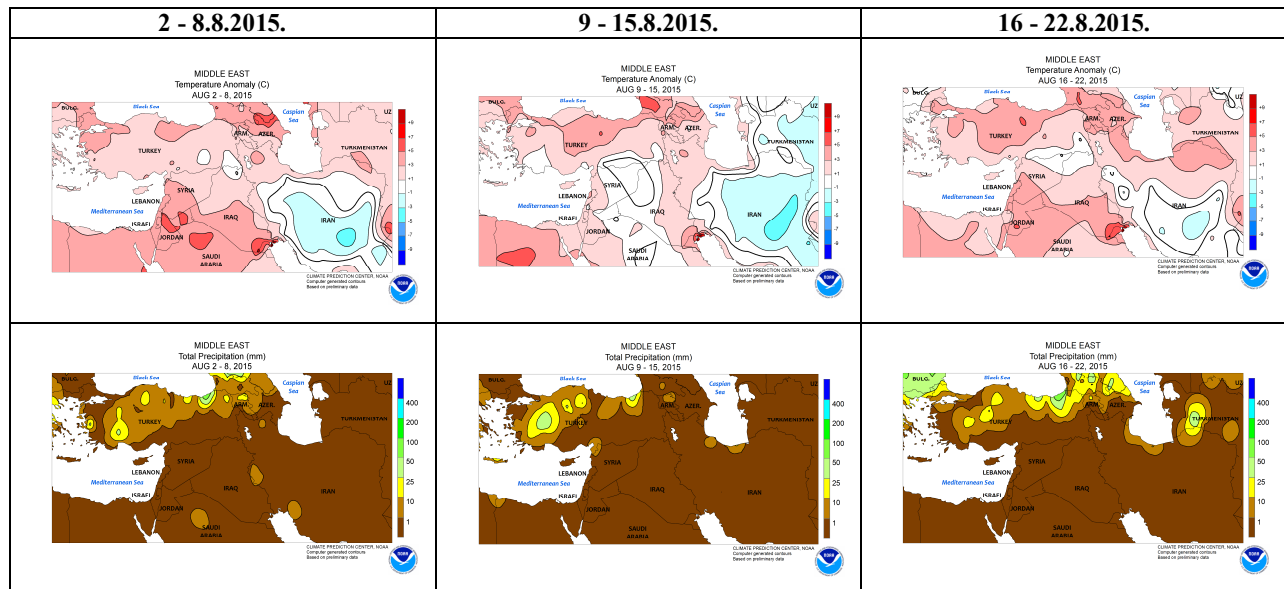


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

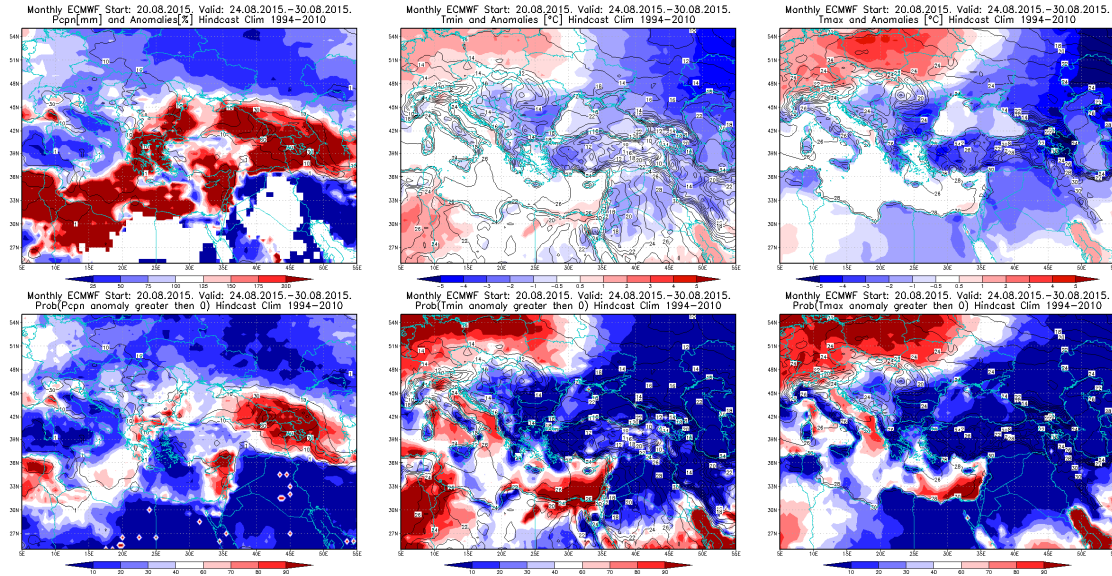


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 24.8 – 30.8.2015 period

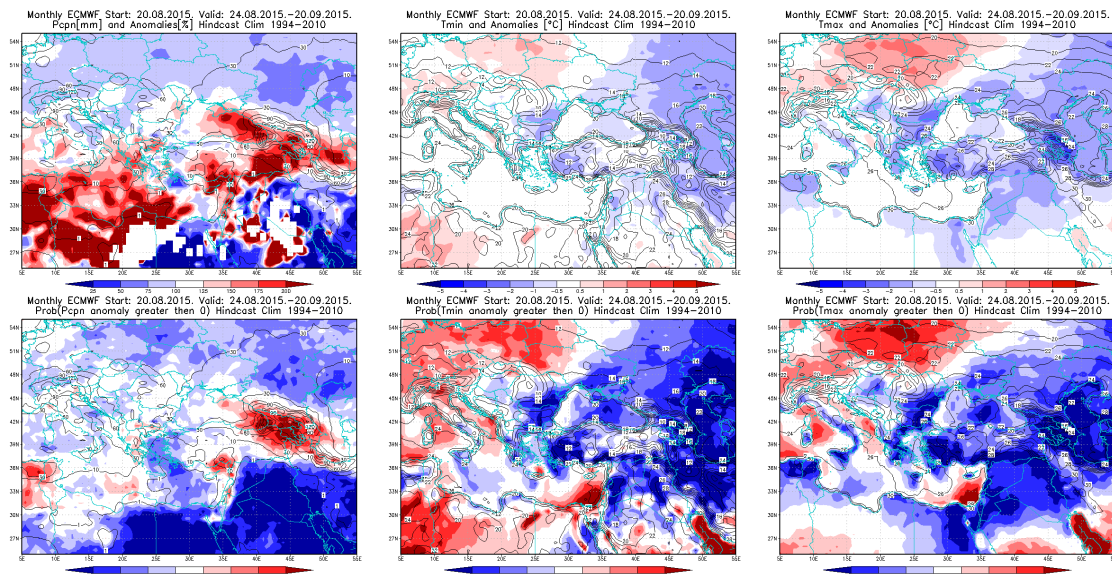


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 24.8 – 20.9.2015 period

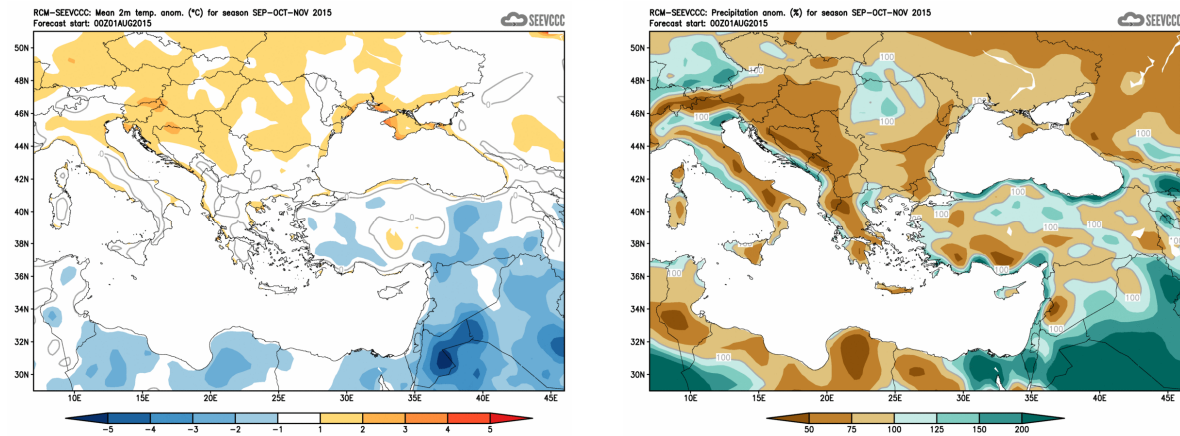


Figure 5. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook from RCM – SEEVCCC)

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/>)