

Climate Watch (Serial No.: 20160829– 00)

Initial/**Updated**/Final

Topic: **precipitation**

Organization issuing
the statement: SEEVCCC

Issued/ Amended /
Cancelled 29-8-2016 12:00 P.M.

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Valid from – to: 29-8-2016– 11-9-2016 Next amendment: 5-9-2016

Region of concern: **Turkey, South Caucasus**

„In the period from August 29th to September 4th 2016, precipitation surplus is expected in southern and central Turkey and South Caucasus. Probability for exceeding upper tercile is around 70%.“

Monitoring

In the period from August 21st to 27th 2016, above normal air temperature¹ was registered in the eastern and western part of the Balkans, with anomaly up to +5°C in Moldova, in central Turkey reaching up to +7°C. Weekly precipitation sums reached 50 mm in some parts of Serbia, Croatia, Romania, Bulgaria and northwestern Turkey. The remainder of the SEE region received less than 25 mm of precipitation.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (August 29th to September 4th, 2016), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +3°C, in the Balkans, central and eastern Turkey and south Caucasus, while below normal mean weekly air temperature, with anomaly up to -3°C, is expected only in some parts of southern Turkey. Probability for exceeding upper/lower tercile is around 90%. Precipitation surplus is expected in southern and central Turkey and South Caucasus. Probability for exceeding upper tercile is around 70%. Precipitation deficit is predicted for the Balkans with around 70% probability for exceeding lower tercile.

During the second week (September 5th to 11th, 2016), above normal mean weekly air temperature is expected in the Balkans and western Turkey, with anomaly up to +3°C. Probability for exceeding upper tercile is around 80%. Below normal mean weekly air temperature, with anomaly up to -2°C, is expected in part of eastern Turkey with around 70% probability for exceeding lower tercile. Precipitation surplus is expected in southern and eastern part of Turkey and South Caucasus. Probability for exceeding upper tercile is around 70%. Average precipitation is expected in most of the Balkans.

In the period from August 29th to September 25th 2016, above normal mean monthly air temperature is expected in the Balkans and central Turkey, with anomaly up to +2°C. Probability for exceeding upper tercile is up to 80%. Precipitation surplus is expected in eastern part of Turkey and South Caucasus, with around 60% probability for exceeding upper tercile.

During the following three months (September, October and November) SEEVCCC seasonal forecast predicts above normal seasonal air temperature in the western Balkans, Romania, and most part of Ukraine. Below normal seasonal air temperature is predicted in most of Turkey, as well as south Caucasus, Jordan and Israel. Precipitation deficit is expected over most part of the SEE region, while precipitation surplus is predicted over Carpathian Mountains, Israel, Jordan, northernmost and southernmost part of Turkey, and along southern Adriatic coast.

Update

An updated statement will be issued on 5-9-2016

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

ANNEX

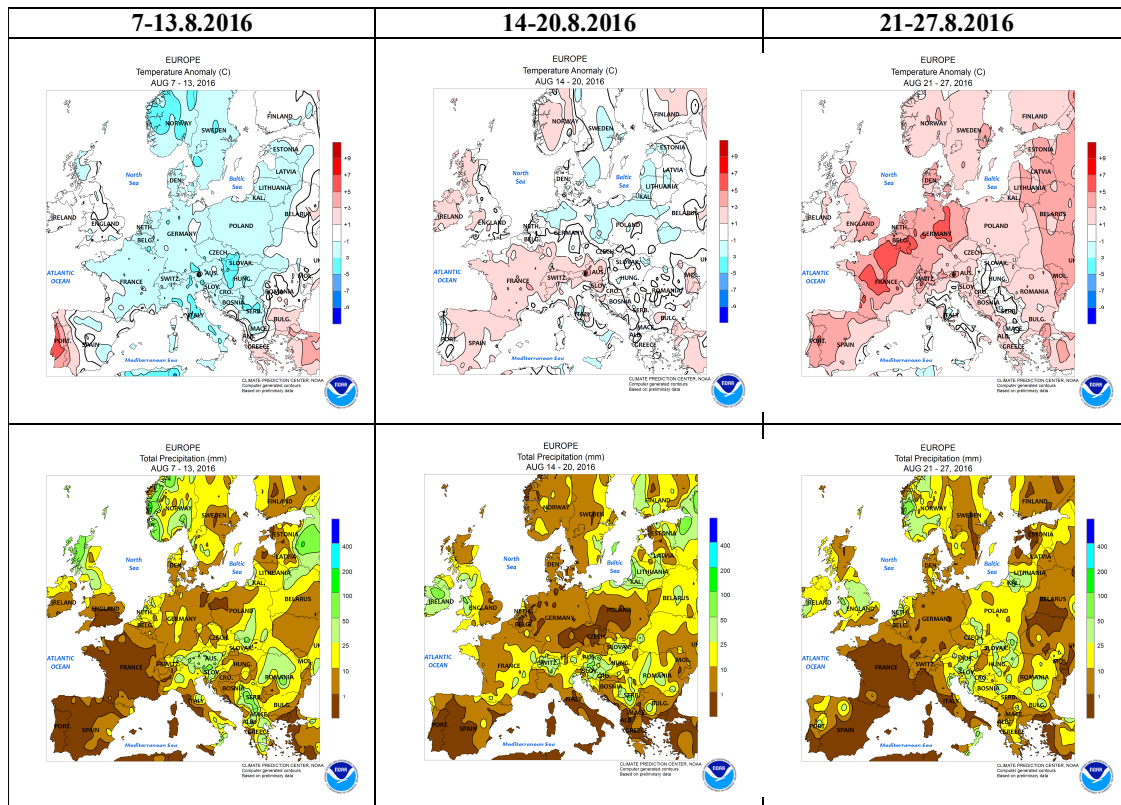


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

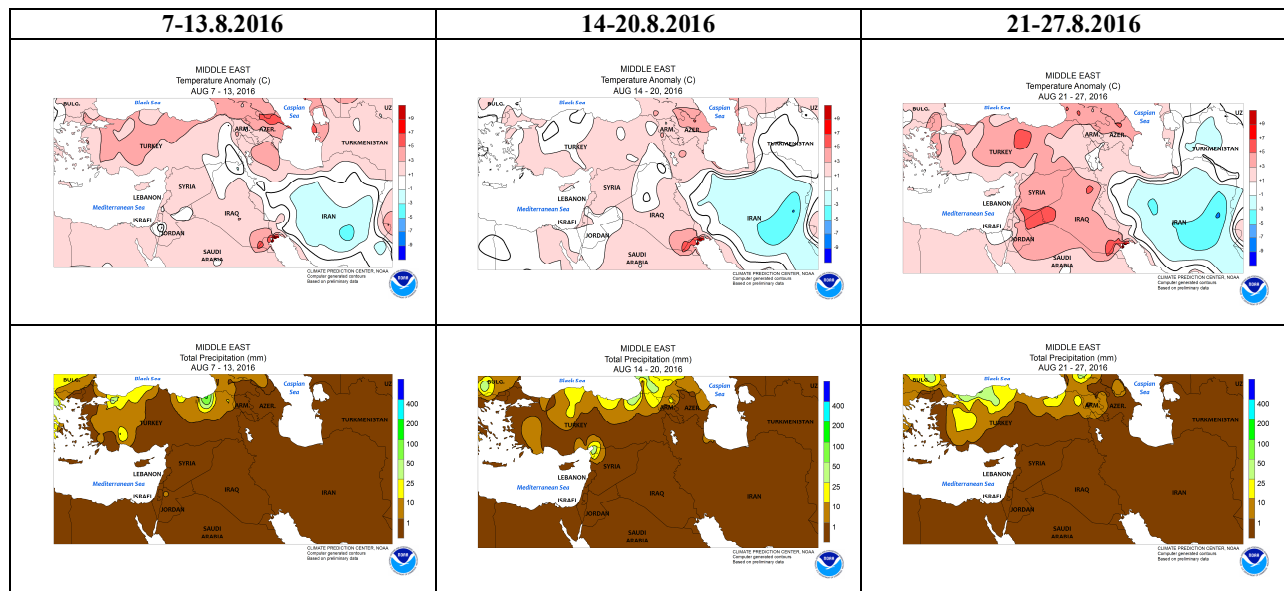


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

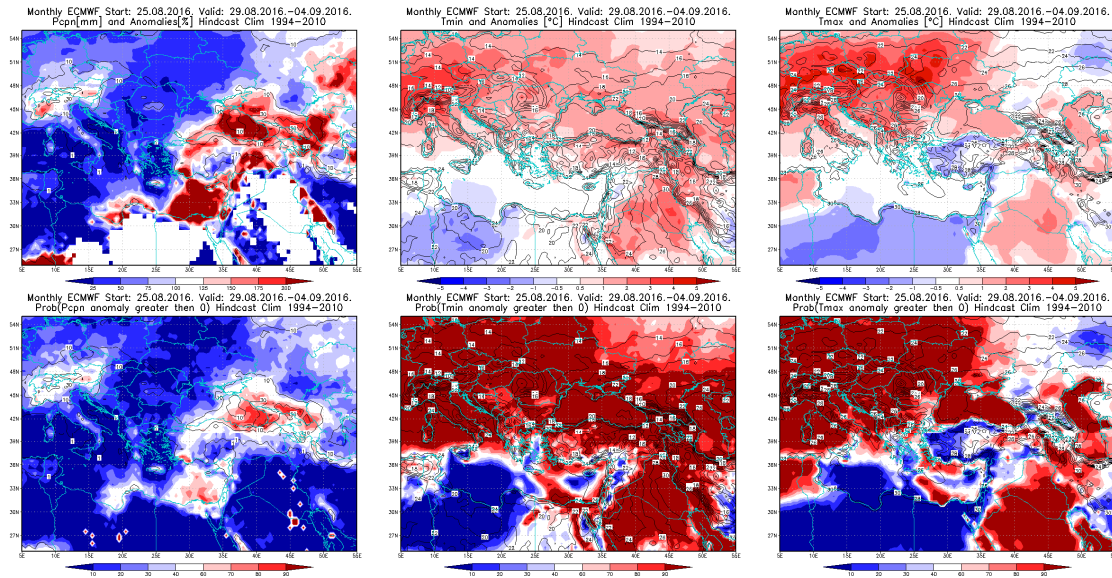


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation 29.8–4.9.2016 period

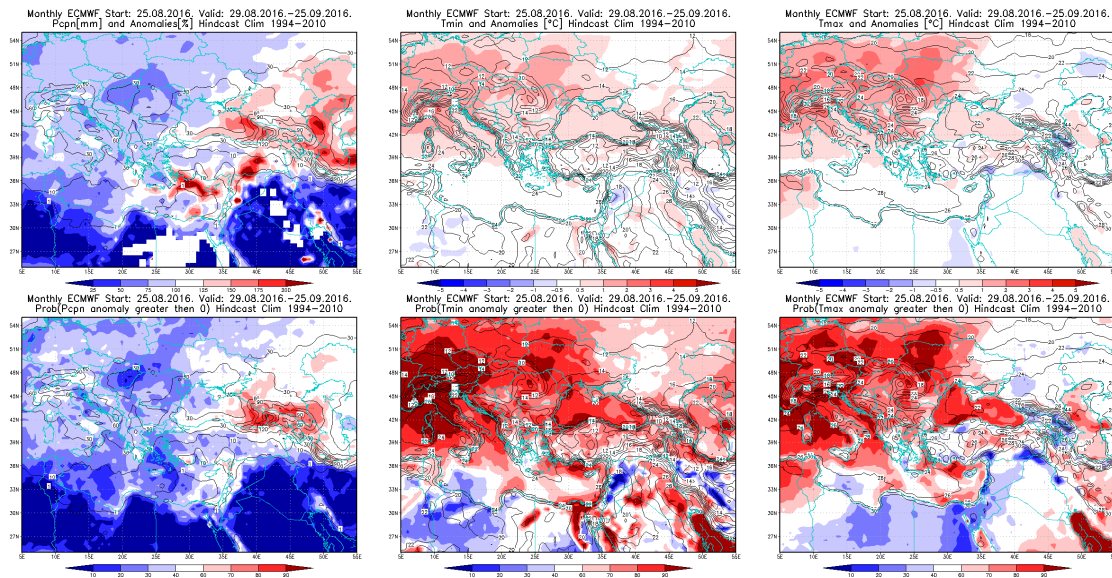


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 29.8– 25.9.2016 period

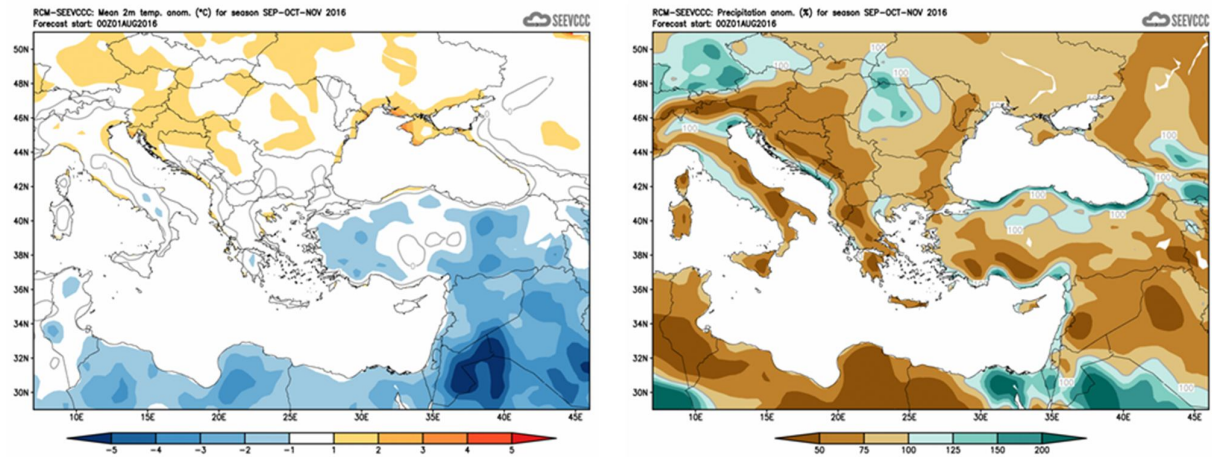


Figure5. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook from RCM – SEEVCCC)

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/>)