

Topic: **precipitation**

Organization issuing
the statement: SEEVCCC

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Cancelled

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Region of concern: **the Balkans, South Caucasus**

„In the period from September 5th to 11th 2016, precipitation surplus is expected in southwestern Balkans and South Caucasus. Probability for exceeding upper tercile is around 80%.“

Monitoring

In the period from August 28th to September 3rd 2016, above normal air temperature¹ was registered in most of the SEE region, with anomaly reaching up to +5°C in the western Balkans, Carpathians and south Caucasus. Weekly precipitation sums were mostly below 25 mm, except at some scattered locations in Carpathians, northern Turkey and Azerbaijan where precipitation totals reached 100 mm.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (September 5th to 11th, 2016), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +4°C, in eastern Balkans, Ukraine, and central Turkey, while below normal mean weekly air temperature, with anomaly up to -2°C, is expected in some parts of eastern Turkey, Middle East and south Caucasus. Probability for exceeding upper/lower tercile is around 80%. Precipitation surplus is expected in the southwestern Balkans and South Caucasus. Probability for exceeding upper tercile is around 80%. Precipitation deficit is predicted for Ukraine with around 80% probability for exceeding lower tercile.

During the second week (September 12th to 18th, 2016), above normal mean weekly air temperature is expected in western and the northern Balkans, with anomaly up to +3°C. Probability for exceeding upper tercile is around 80%. Precipitation deficit is expected in most of the Balkans and Ukraine. Probability for exceeding lower tercile is around 70%.

In the period from September 5th to October 2nd 2016, above normal mean monthly air temperature is expected in most the Balkans and Ukraine, with anomaly up to +3°C. Probability for exceeding upper tercile is around 60% over the Balkans and up to 90% over Ukraine. Precipitation surplus is expected in southern Balkans and South Caucasus, with around 60% probability for exceeding upper tercile. Precipitation deficit is predicted for western Ukraine with around 70% probability for exceeding lower 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 the Carpathian Mountains, Israel, Jordan, northernmost and southernmost part of Turkey, and along southern Adriatic coast.

Update

An updated statement will be issued on 12-9-2016

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

ANNEX

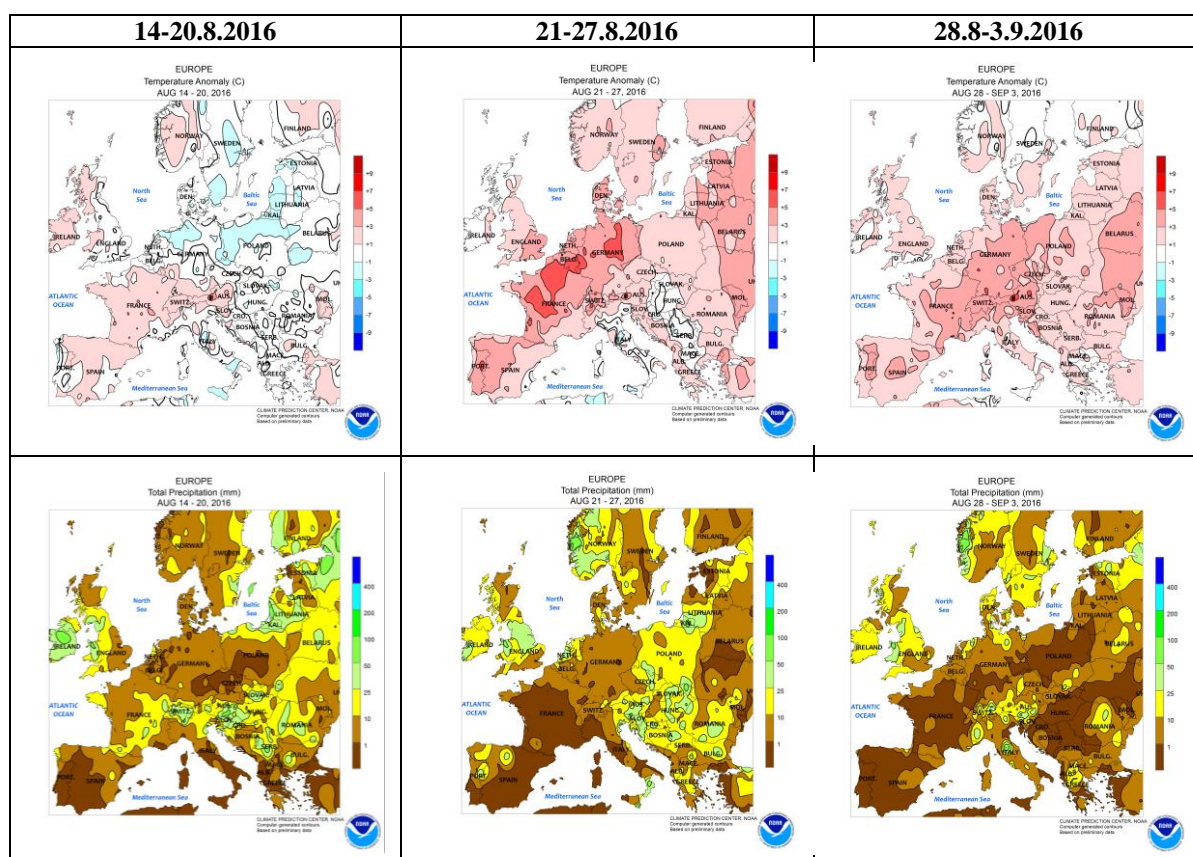


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

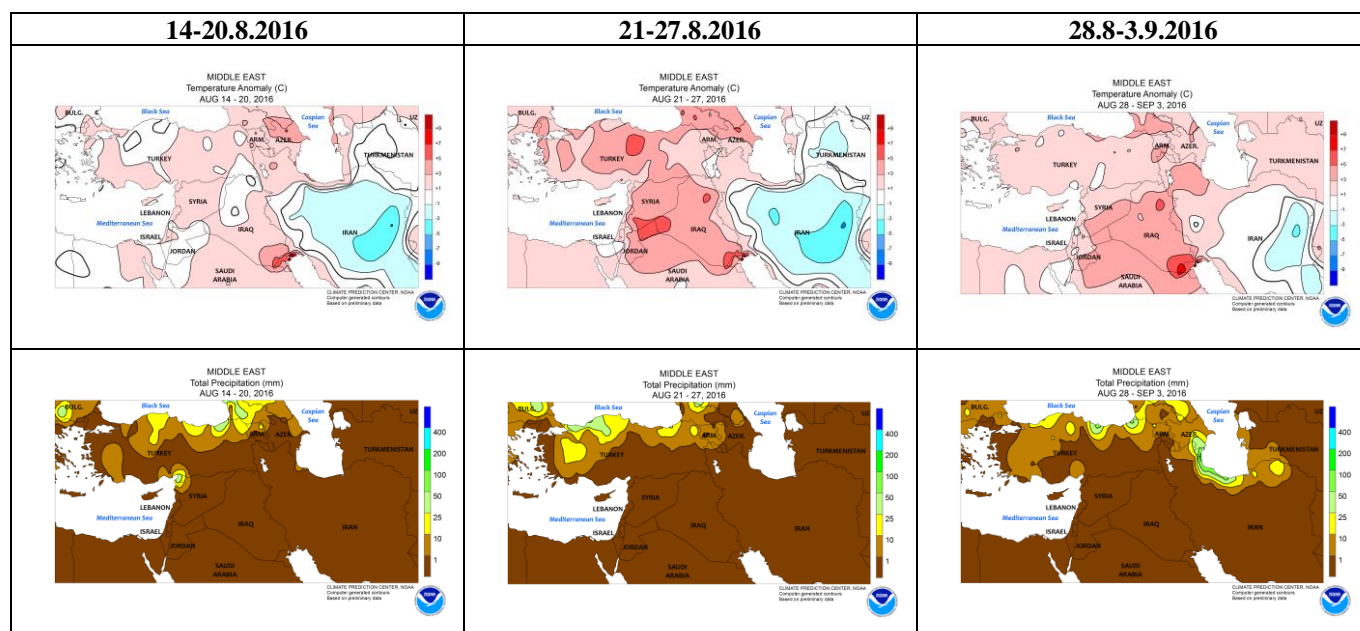


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

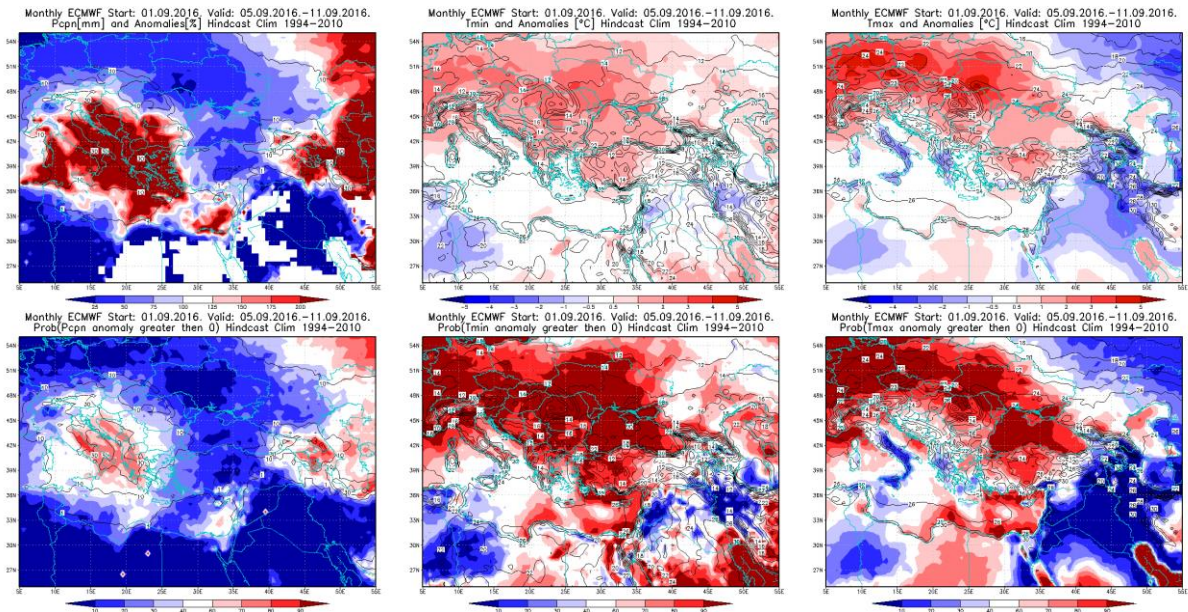


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation 5–11.9.2016 period

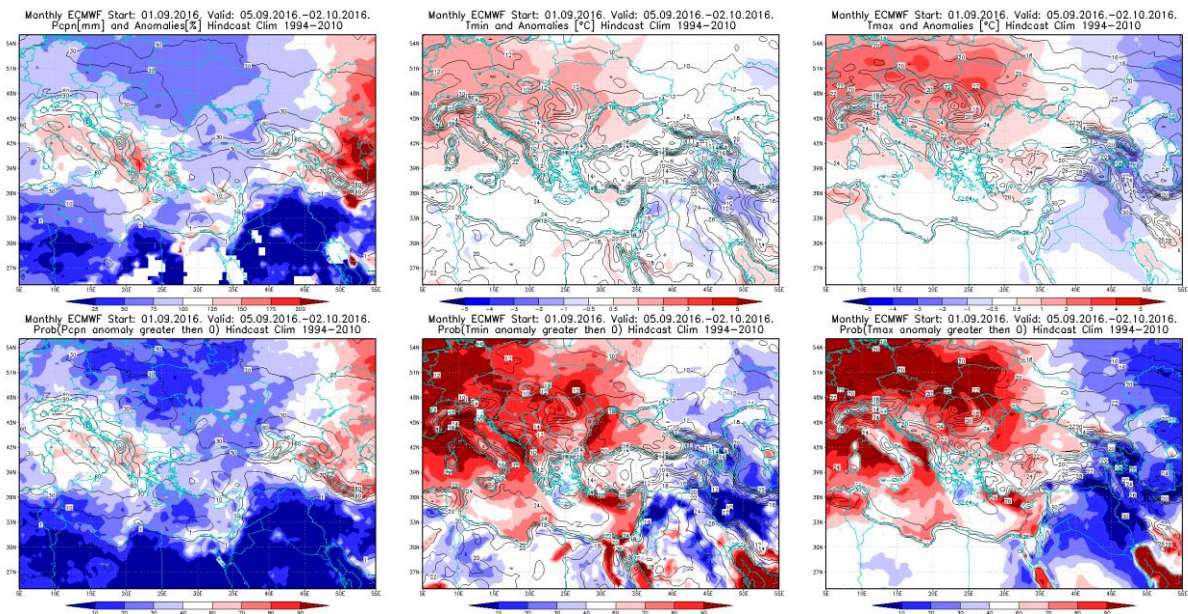


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 5.9– 2.10.2016 period

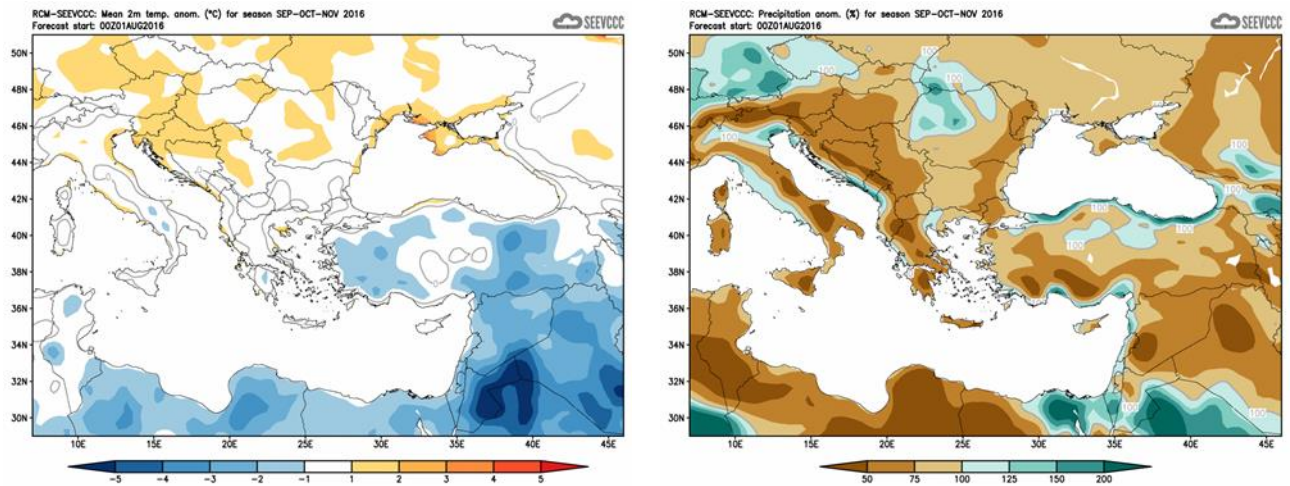


Figure5.Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook from RCM – SEEVCCC)

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/>)