

Climate Watch (Serial No.: 20160704– 00)

Initial/Updated/Final

Topic: **air temperature**

Organization issuing the statement: SEEVCCC

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Cancelled

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Valid from – to: 4-7-2016– 17-7-2016 Next amendment: 11-7-2016

Region of concern: **SEE region**

„In the period from July 4th to 31st 2016, forecast predicts above normal mean monthly air temperature for most of the SEE region, with anomaly up to +2°C. Probability for exceeding upper tercile is up to 90% over the southern Balkans, Black Sea, eastern Mediterranean and southeastern Turkey.”

Monitoring

In the period from June 26th to July 2nd 2016, above normal air temperature¹ was registered in most part of the SEE region with anomaly ranging from +1°C up to +5°C. Weekly precipitation sums reached up to 100 mm in some parts of the central Balkans, southern Romania, central Moldova, southern Greece and northern part of Turkey. In remainder of the region weekly precipitation sums were below 25 mm.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (July 4th to 10th, 2016), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +2°C, along the Adriatic and Ionian Sea coasts, in southern Greece, Cyprus, southern Turkey, coastal Georgia and Israel. Probability for exceeding upper tercile is up to 80%. Precipitation surplus is expected in south of Romania and the Balkans, Georgia, Armenia, northwestern, northern and eastern Turkey, with around 80% probability for exceeding upper tercile.

During the second week (July 11th to 17th, 2016), above normal mean weekly air temperature is expected in most of the SEE region, with anomaly up to +3°C. Probability for exceeding upper tercile is a range from 60% in the Balkans up to 90% over the eastern Mediterranean. Precipitation deficit is predicted in most of the Balkans, with up to 60% probability for exceeding lower tercile.

In the period from July 4th to 31st 2016, above normal mean monthly air temperature is forecasted for most of the SEE region, with anomaly up to +2°C. Probability for exceeding upper tercile is up to 90% over the southern Balkans, Black Sea, eastern Mediterranean and southeastern Turkey. Precipitation surplus is forecasted in Georgia, Armenia and northeastern Turkey. Probability for exceeding upper tercile is around 70%.

During the following three months (July, August and September) SEEVCCC seasonal forecast predicts above normal seasonal air temperature over most of the Balkans, Romania, Moldova and Ukraine. Precipitation surplus is predicted over Carpathian Mountains, northeastern Turkey, as well as south Caucasus, Jordan and Israel. Precipitation deficit is expected over Pannonian plain, Ionian and Aegean Sea, Cyprus, western and southern Turkey.

Update

An updated statement will be issued on 11-7-2016

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

ANNEX

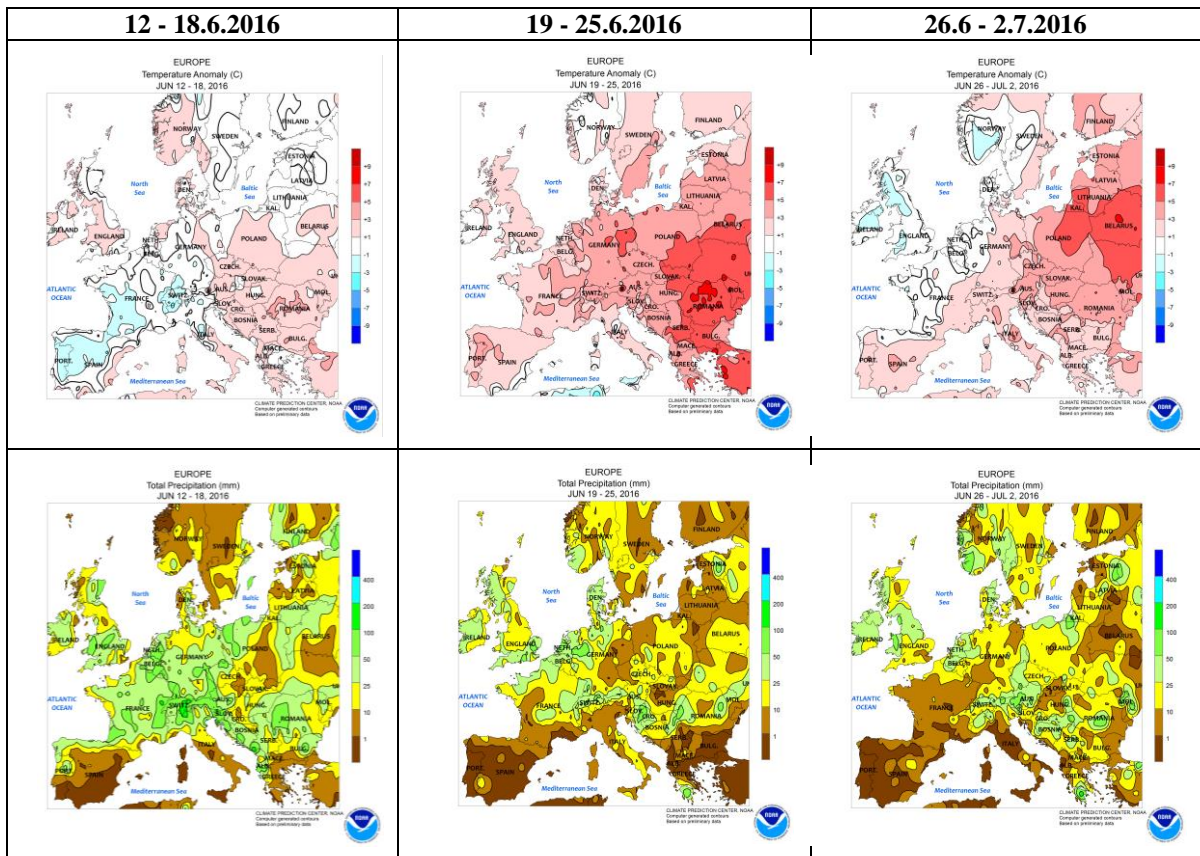


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

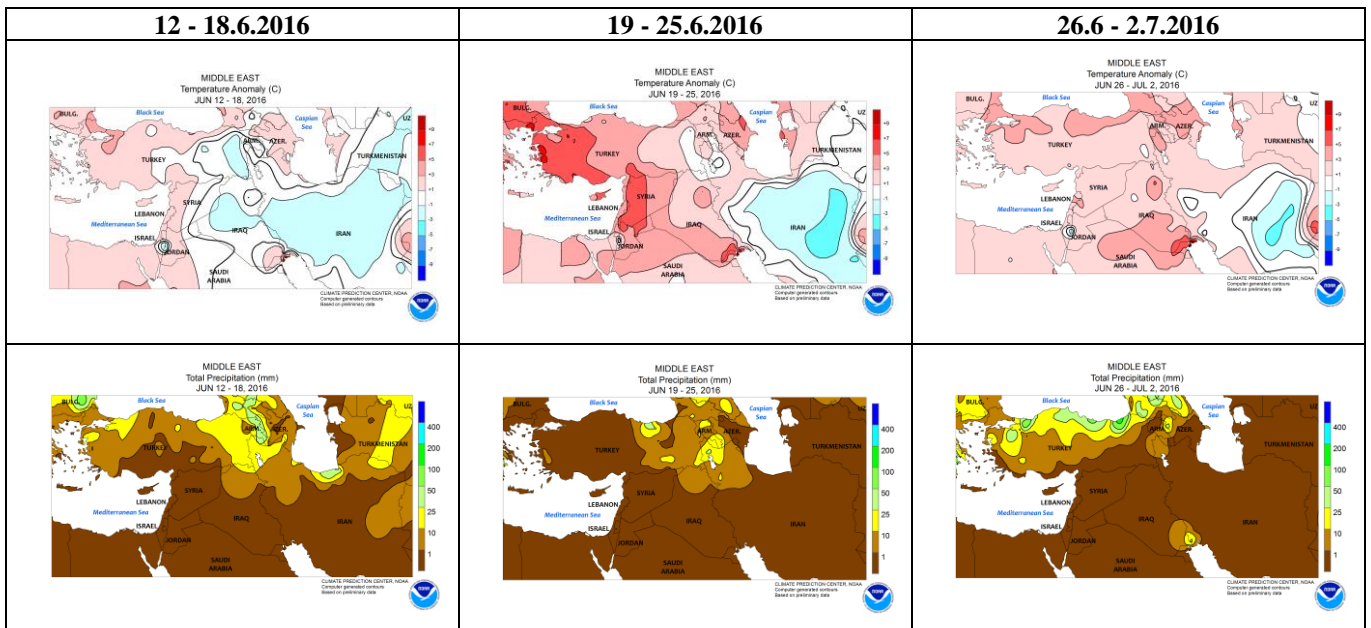


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

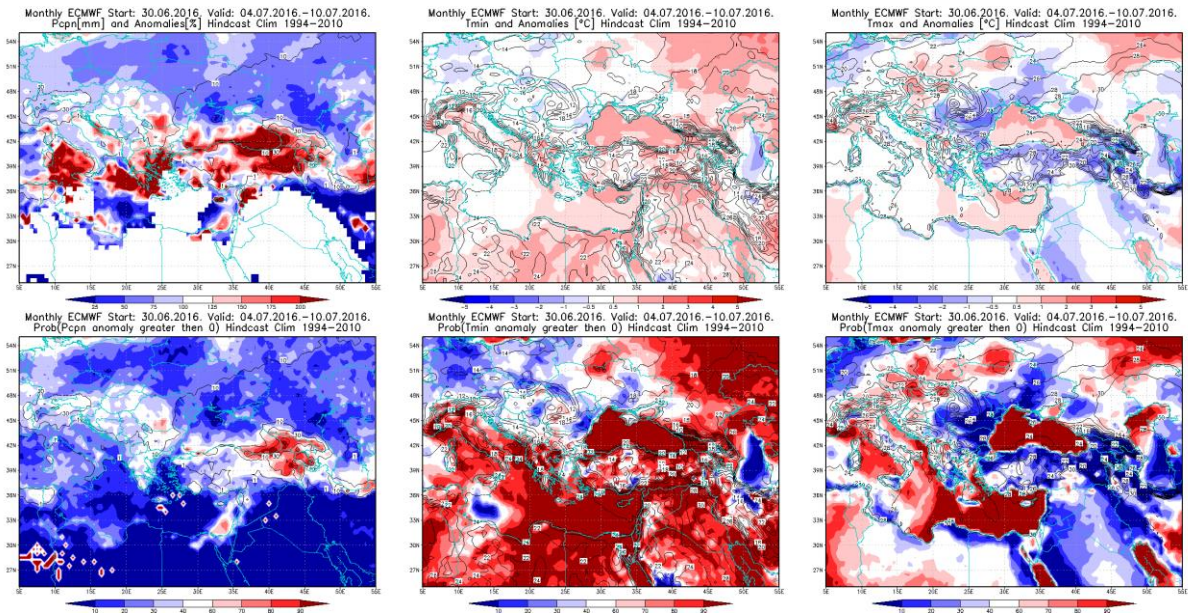


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation 4.7–10.7.2016 period

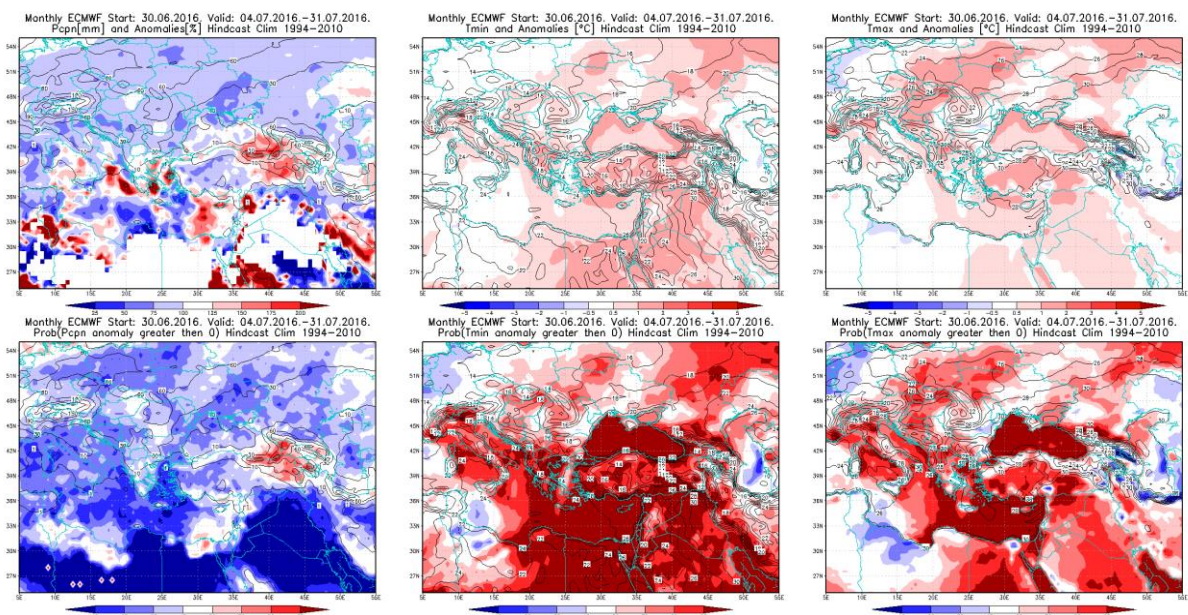


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 4.7– 31.7.2016 period

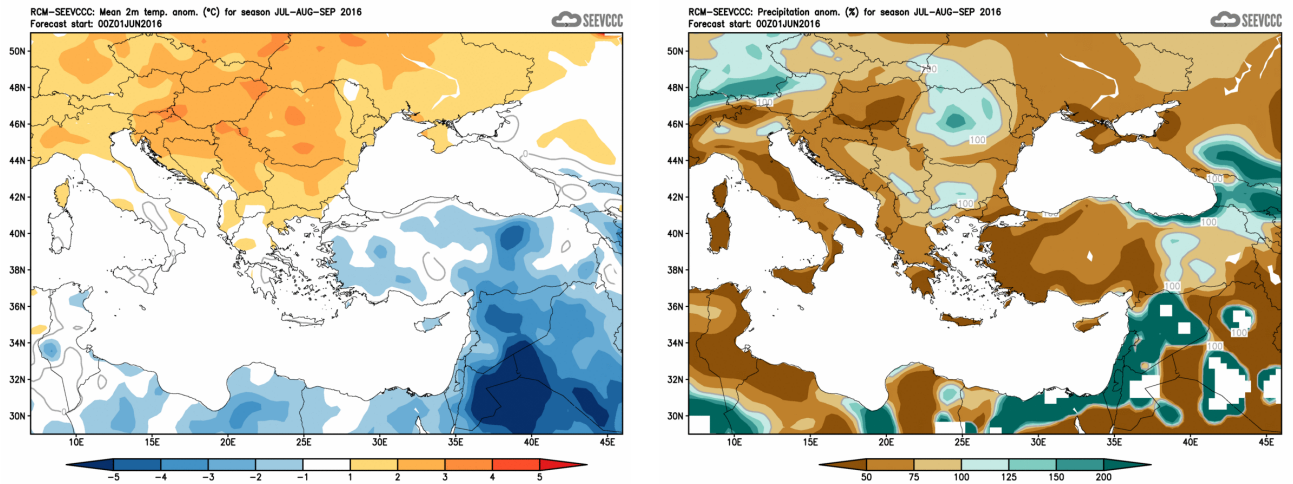


Figure 5. Mean seasonal temperature and precipitation anomaly for the season JAS (seasonal outlook from RCM – SEEVCCC)

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/>)