

Climate Watch (Serial No.: 20160711– 00)

Initial/Updated/Final

Topic: **precipitation, air temperature**

Organization issuing the statement: SEEVCCC

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Valid from – to: 11-7-2016– 24-7-2016 Next amendment: 18-7-2016

Region of concern: **SEE region**

„In the period from July 11th to 17th 2016, forecast predicts above normal mean weekly air temperature, with anomaly up to +3°C, in central and western Balkans, northern Ukraine, Cyprus, central and western Turkey, Jordan and Israel. Probability for exceeding upper tercile is up to 90%. Precipitation deficit is expected in most of the SEE region, with up to 90% probability for exceeding lower tercile in eastern Balkans, southern Ukraine, northern Turkey, Georgia and Armenia.”

Monitoring

In the period from July 3rd to 9th 2016, above normal air temperature¹ was registered in most part of the SEE region with anomaly mostly up to +3°C, in some coastal areas of western Balkans and Turkey up to +5°C. Below normal air temperature was observed in central part of south Caucasus region with up to -3°C. Weekly precipitation sums reached up to 200 mm in some parts of Georgia and northeastern Turkey. In the rest of the region weekly precipitation sums were below 50 mm.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (July 11th to 17th, 2016), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +3°C, in central and western Balkans, northern Ukraine, Cyprus, central and western Turkey, Jordan and Israel. Probability for exceeding upper tercile is up to 90%. Precipitation deficit is expected in most of the SEE region, with up to 90% probability for exceeding lower tercile in eastern Balkans, southern Ukraine, northern Turkey, Georgia and Armenia.

During the second week (July 18th to 24th, 2016), above normal mean weekly air temperature is expected in central and western Balkans, Cyprus, most of Turkey and Middle East, with anomaly up to +2°C. Probability for exceeding upper tercile is a range from 60% in the Balkans, Cyprus and central Turkey up to 90% over the eastern Mediterranean and Middle East. Precipitation deficit is predicted in most of the Balkans, with up to 60% probability for exceeding lower tercile.

In the period from July 11th to Aug 7th 2016, above normal mean monthly air temperature, with anomaly up to +2°C, is forecasted for western, central and southwestern Balkans, western Ukraine, Cyprus, most of Turkey and Middle East. Probability for exceeding upper tercile is up to 90%. Precipitation deficit is forecasted in most of the SEE region. Probability for exceeding upper tercile is around 70% in central and southeastern Balkans and up to 90% in central Turkey.

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 18-7-2016

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

ANNEX

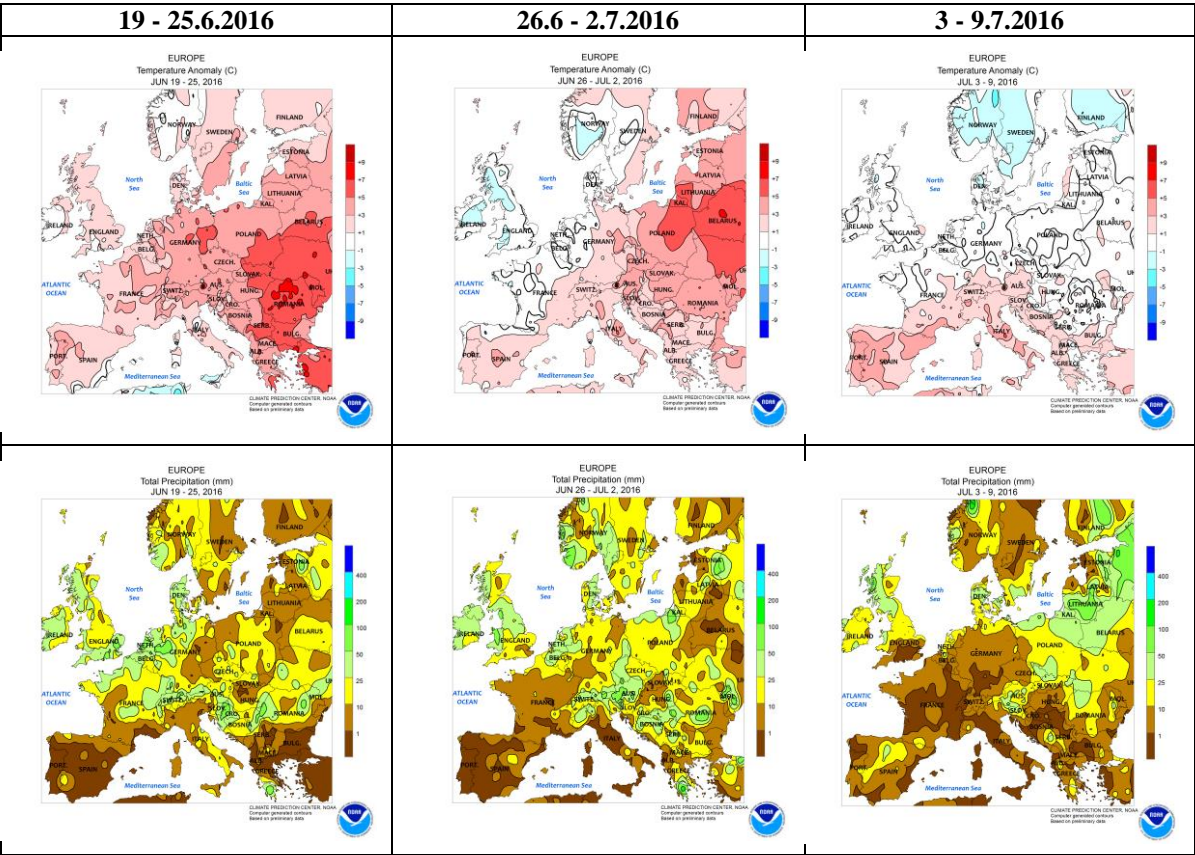


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

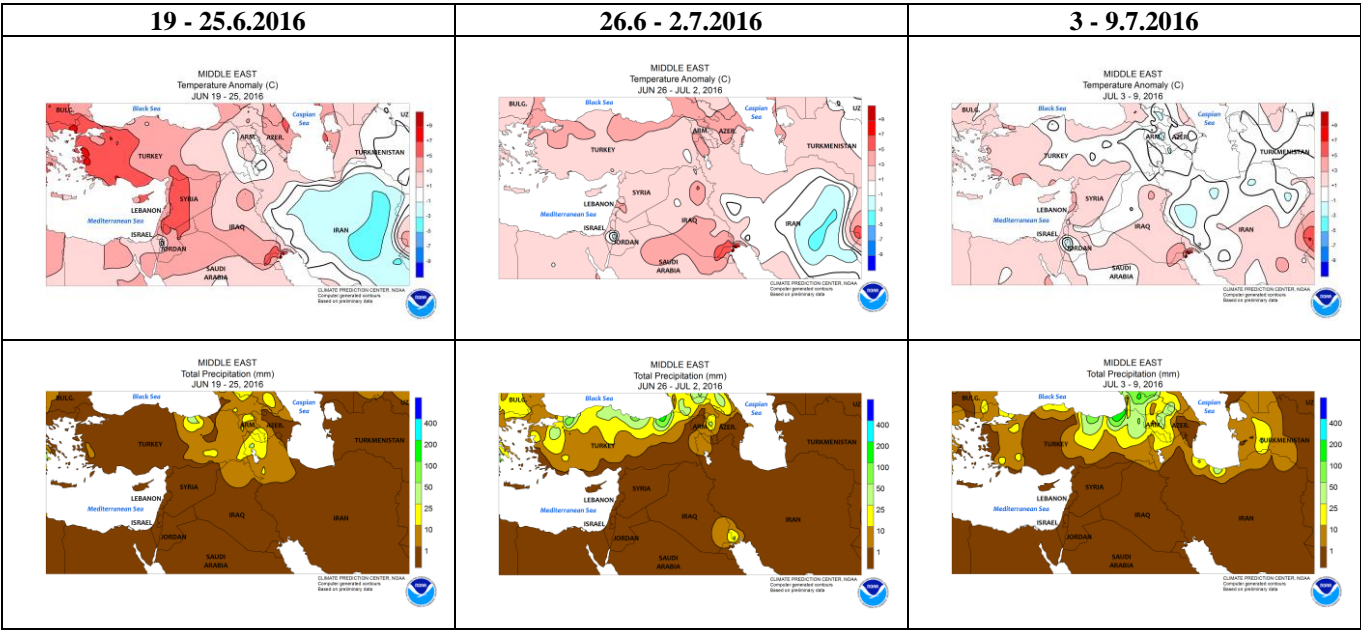


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

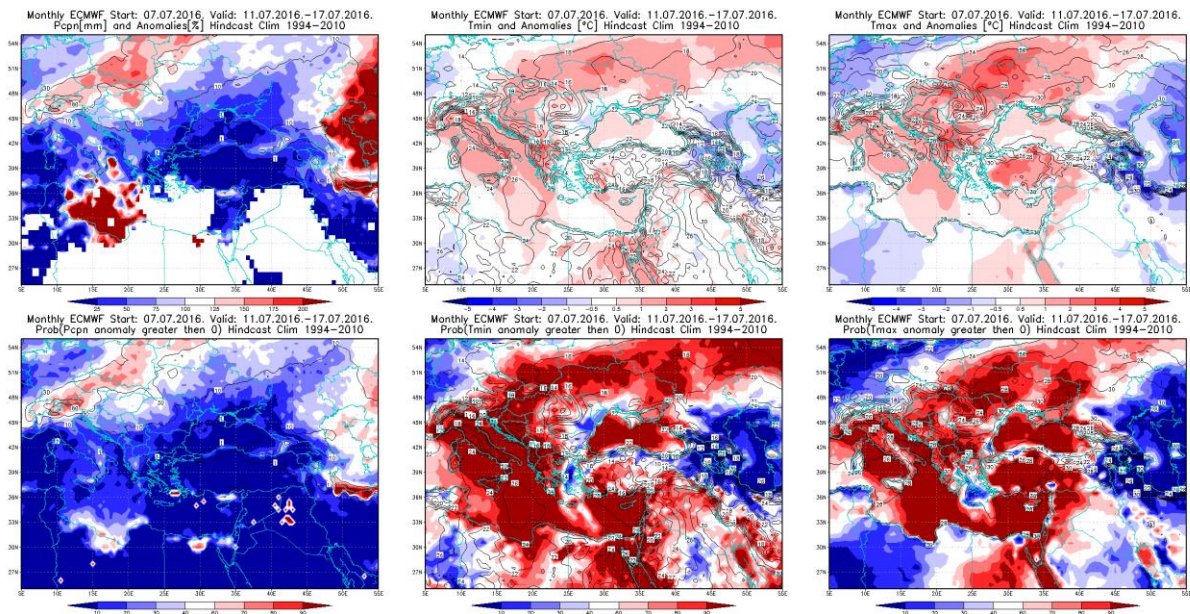


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation 11.7–17.7.2016 period

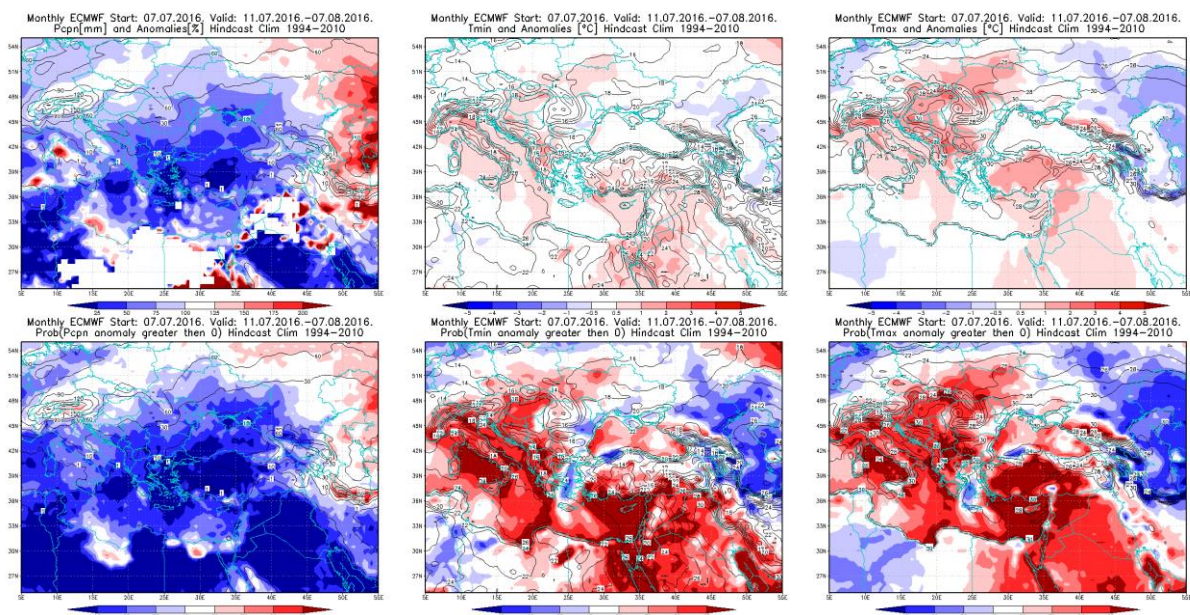


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 11.7–7.8.2016 period

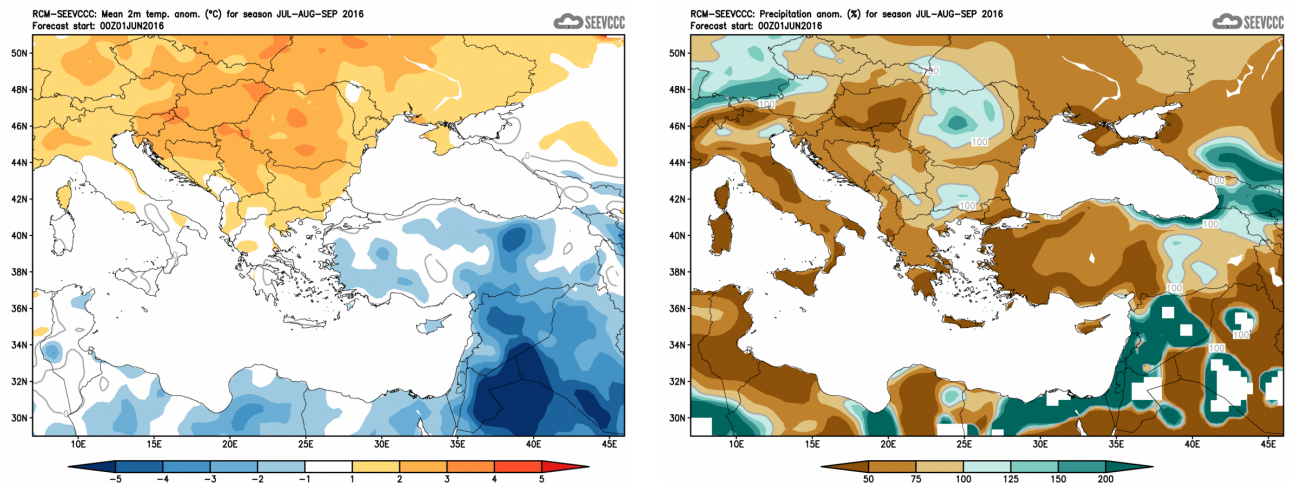


Figure5.Mean seasonal temperature and precipitation anomaly for the season JAS (seasonal outlook from RCM – SEEVCCC)

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/>)