

Climate Watch (Serial No.: 20180618 – 00)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

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Valid from – to: 18-6-2018– 30-9-2018 Next amendment: 25-6-2018

Region of concern: **southern Balkans, Cyprus, western and southwestern Turkey**

„In the period from June 18th to 24th 2018, ECMWF monthly forecast predicts above normal mean weekly air temperature in most of the SEE region, with up to +2°C anomaly, with the exception of southern Ukraine and western Georgia, where anomaly will reach up to +3°C. Below normal mean weekly air temperature, with anomaly up to -4°C, is expected in Cyprus, southwestern Turkey and southern Aegean Sea. Probability for exceeding upper/lower tercile is up to 90%. Precipitation surplus is expected over the southern and southeastern Balkans, most of Turkey, Cyprus and central part of south Caucasus region. Probability for exceeding upper tercile is in a range from around 70% to 90% over the southern Balkans, Cyprus and western and southwestern Turkey. Precipitation deficit is predicted for the western Balkans, northern Adriatic, eastern Romania, Moldova and Ukraine. Probability for exceeding lower tercile is around 70% in eastern Ukraine.”

Monitoring

In the period from June 10th to 16th 2018, above normal air temperature was registered in the entire SEE region, with anomaly up to +5°C, in some locations in Romania and southwestern Moldova anomaly reaching up to +7°C. Precipitation sums were below 10 mm in Israel, Jordan, most of Turkey, Cyprus, eastern Ukraine, western Georgia, eastern Armenia and coastal parts of the SEE region. In the rest of region, weekly precipitation sums were up to 50 mm, while up to 100 mm of precipitation was recorded in the Carpathian region, central and southwestern Ukraine, central Serbia and southwestern Turkey.

Outlook

Within the first week (June 18th to 24th 2018), ECMWF monthly forecast predicts above normal mean weekly air temperature in most of the SEE region, with up to +2°C anomaly, with the exception of southern Ukraine and western Georgia, where anomaly will reach up to +3°C. Below normal mean weekly air temperature, with anomaly up to -4°C, is expected in Cyprus, southwestern Turkey and southern Aegean Sea. Probability for exceeding upper/lower tercile is up to 90%. Precipitation surplus is expected over the southern and southeastern Balkans, most of Turkey, Cyprus and central part of south Caucasus region. Probability for exceeding upper tercile is in a range from around 70% to 90% over the southern Balkans, Cyprus and western and southwestern Turkey. Precipitation deficit is predicted for the western Balkans, northern Adriatic, eastern Romania, Moldova and Ukraine. Probability for exceeding lower tercile is around 70% in eastern Ukraine.

During the second week (June 25th to July 1st 2018), above normal mean weekly air temperature is expected in the entire region, with anomaly up to +2°C. Probability for exceeding upper tercile is in a range from 70% over most of the Balkans and Turkey to 90% in the eastern Mediterranean. Precipitation surplus is expected over Greece, western Turkey, eastern Mediterranean and Aegean Sea. Probability for exceeding upper tercile is up to 80%. Precipitation deficit is predicted for most of Ukraine, the northern and central Balkans and central Turkey, with low probability for exceeding lower tercile.

In the period from June 18th to July 15th 2018, above normal mean monthly air temperature is expected in most of the SEE region, with anomaly reaching up to +2°C. Probability for exceeding upper tercile is up to 90% over Ionian Sea, most of Turkey and northern Aegean Sea. Precipitation surplus is expected over Greece, western and central Turkey, Cyprus and Aegean Sea. Probability for exceeding upper tercile is up to 90%. Precipitation deficit is predicted for most of Ukraine, southeastern Turkey and eastern Armenia, with around 80% probability for exceeding lower tercile in Armenia.

During the following three months (July, August and September) seasonal forecast predicts above normal seasonal air temperature for most of the SEE region. Below normal seasonal air temperature is expected in parts of eastern and southeastern Turkey, Jordan and most of Israel. Precipitation deficit is expected in most of the SEE region. Precipitation surplus is predicted for the Carpathian region, South Caucasus, northeastern Turkey, most of Jordan and Israel.

Update

An updated statement will be issued on 25-6-2018

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

ANNEX

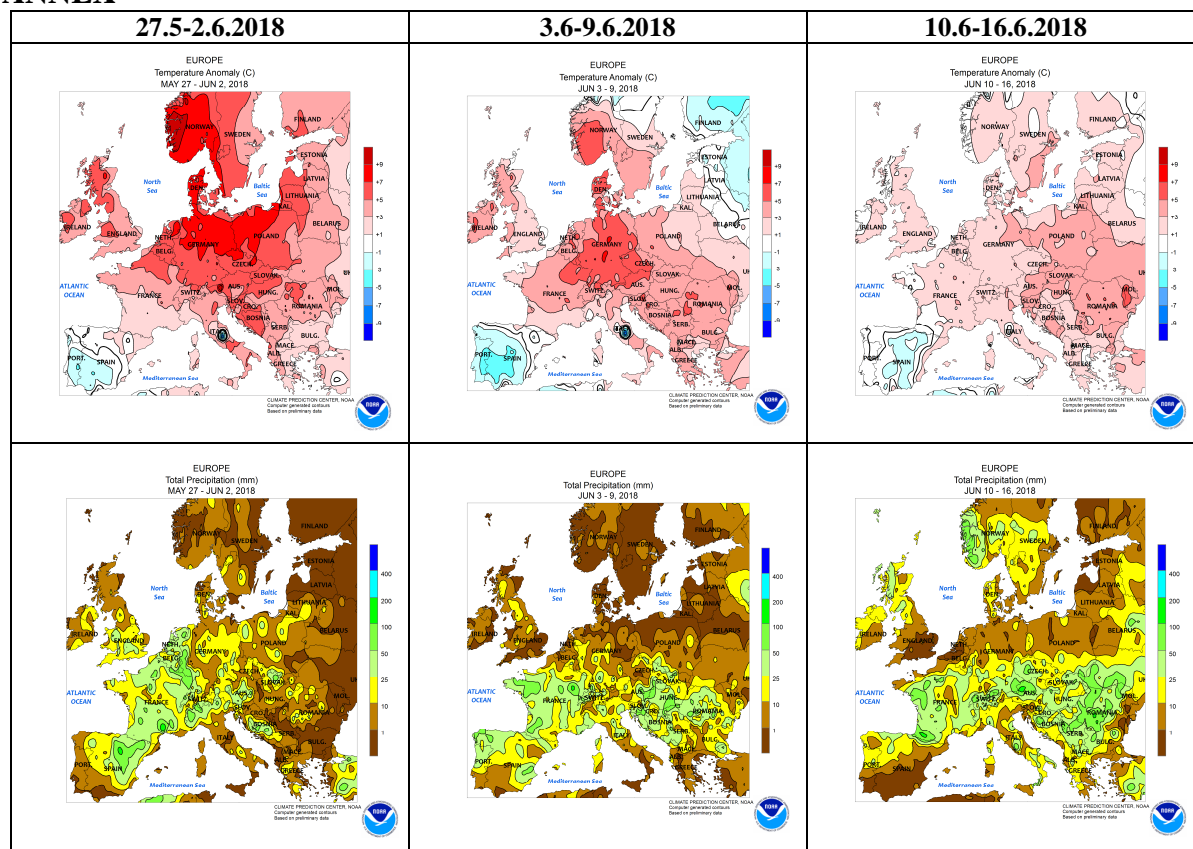


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

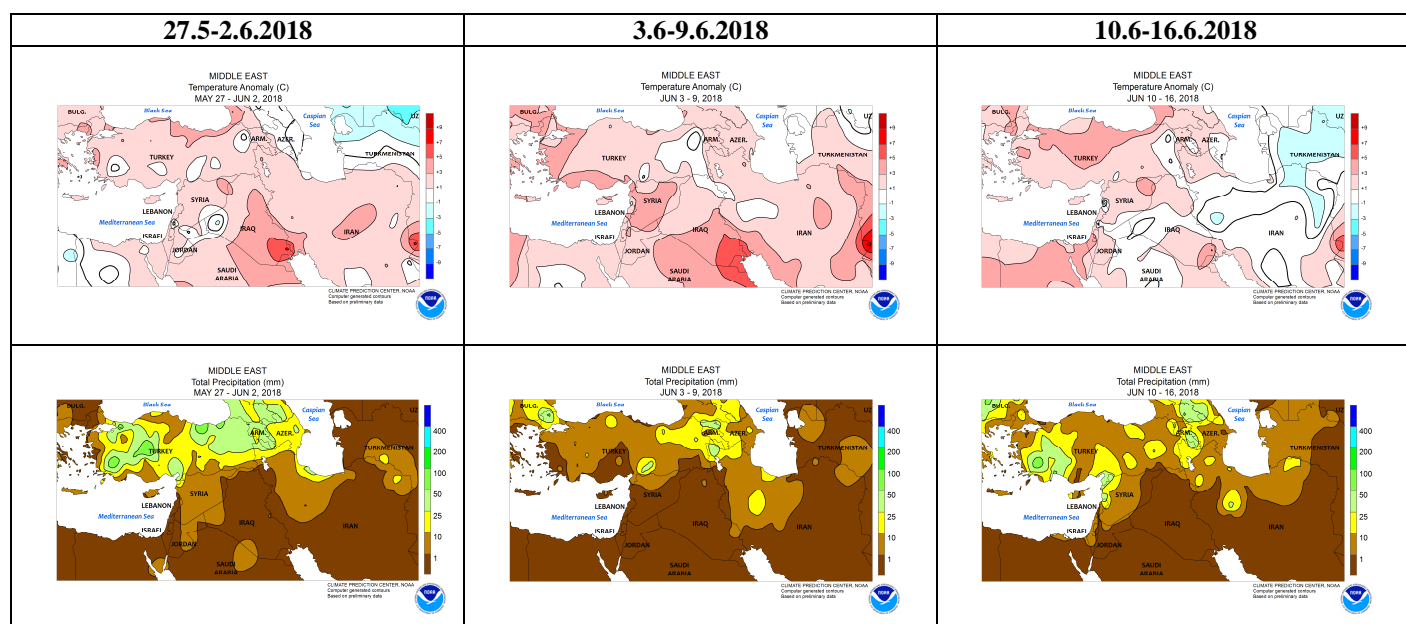


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

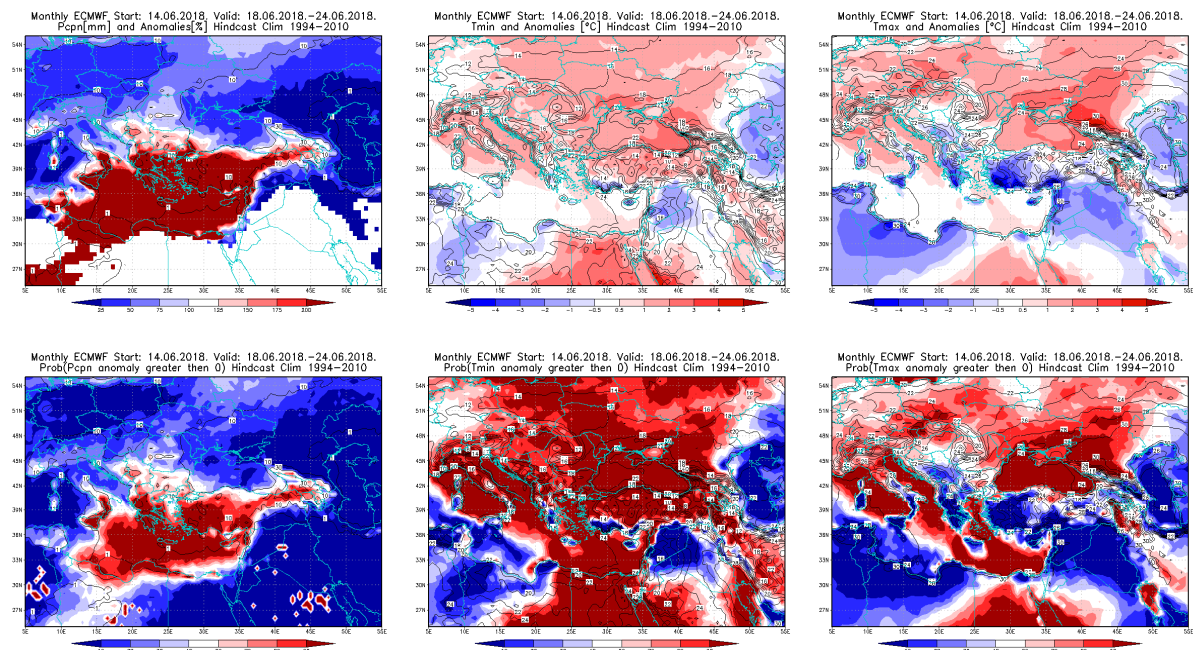


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 18.6 – 24.6.2018 period

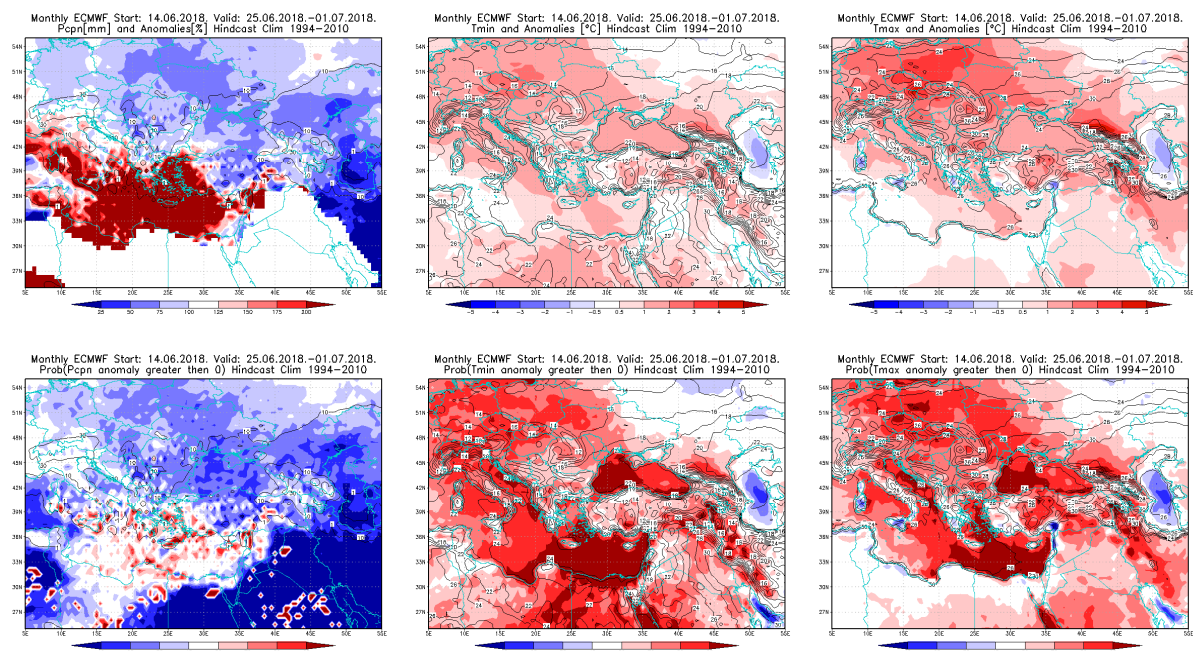


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 25.6 – 1.7.2018 period

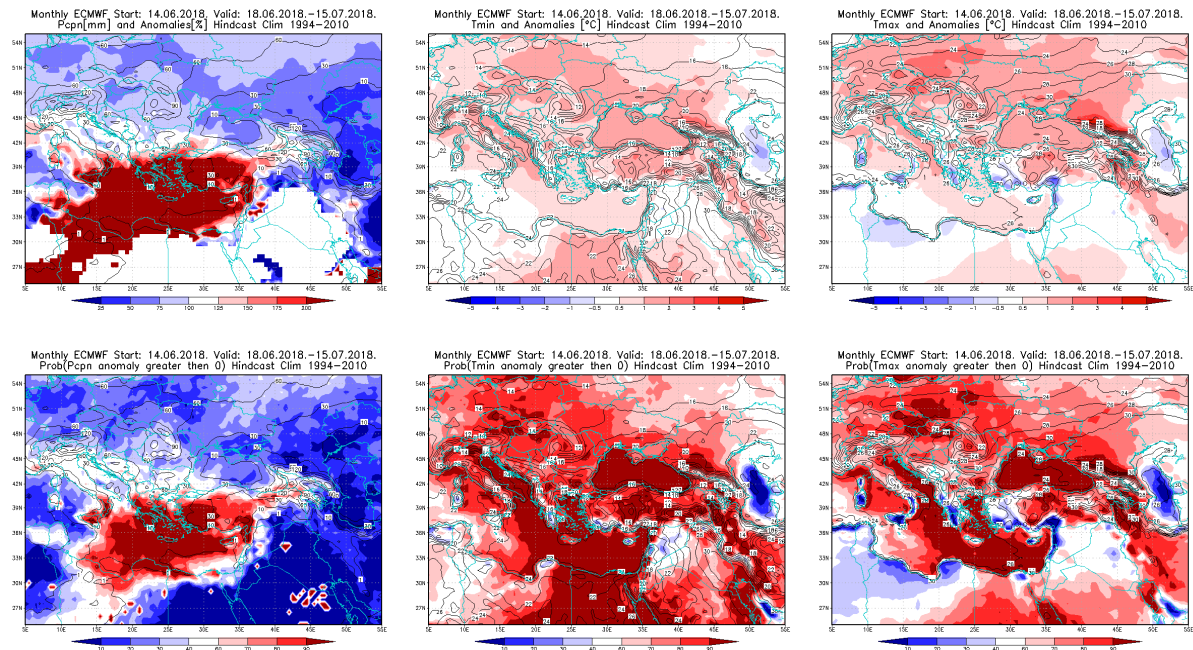


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 18.6 – 15.7.2018 period

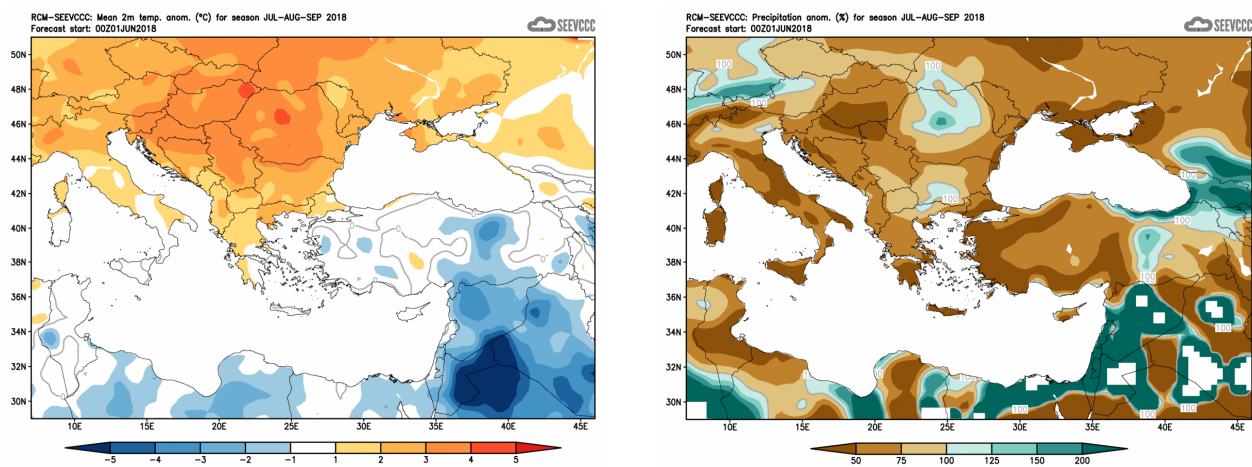


Figure 6. Mean seasonal temperature and precipitation anomaly for the season JAS (seasonal outlook from RCM – SEEVCCC)

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/>)