Climate Watch (Serial No.: 20171002– 00)

Initial/Updated/Final

Topic: **precipitation** and **temperature**
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 2-10-2017 12:00 P.M.

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Valid from – to: 2-10-2017– 31-12-2017 Next amendment: 9-10-2017

Region of concern: **Aegean Sea region, Turkey and south Caucasus**

„In the period from October 2nd to 8th 2017, below normal mean weekly air temperature, with anomaly up to -4°C, is expected in almost SEE region, with up to 90% probability for exceeding lower tercile, in Aegean Sea region and Azerbaijan. Precipitation surplus is expected for the Aegean Sea region, south Caucasus, as well as southern and western Turkey. Probability for exceeding upper tercile is up to 90%.”

Monitoring

In the period from September 24th to 30th 2017, below normal air temperature, with anomaly up to -5°C, was observed in most of the Balkans, Ukraine, Azerbaijan, as well as parts of Israel and Jordan. Above normal air temperature, with anomaly up to +5°C was measured in most of Turkey, Georgia and Armenia. Weekly precipitation sums were below 25 mm in most of the SEE region, whereas some locations in the Balkans, Turkey and South Caucasus received up to 100 mm of precipitation, in southeastern Azerbaijan reaching up to 400 mm.

Outlook

Within the first week (October 2nd to 8th 2017), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly up to -4°C, in almost entire SEE region, with up to 90% probability for exceeding lower tercile, in Aegean Sea region and Azerbaijan. Precipitation surplus is expected for the Aegean Sea region, south Caucasus, as well as southern and western Turkey. Probability for exceeding upper tercile is up to 90%.

During the second week (October 9th to 15th 2017), below normal mean weekly air temperature, with anomaly up to -2°C, is forecasted for the southeastern Balkans, Carpathian Mountains and northwestern Turkey, with up to 60% probability for exceeding lower tercile. Precipitation deficit is predicted for most of the SEE region, with up to 60% probability for exceeding lower tercile.

In the period from October 2nd to 29th 2017, below normal mean monthly air temperature, with anomaly up to -2°C, is forecasted for Aegean Sea region, northwestern Turkey and Azerbaijan, with up to 70% probability for exceeding lower tercile. Precipitation surplus is expected in south Caucasus, while precipitation deficit is predicted for Aegean Sea region, Cyprus, western and central Turkey, with low probability for exceeding upper/lower tercile.

During the following three months (October, November and December) seasonal forecast predicts above normal seasonal air temperature in most part of the SEE region. Precipitation deficit is expected in Turkey, western and southern Balkans.

Update

An updated statement will be issued on 9-10-2017

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

ANNEX

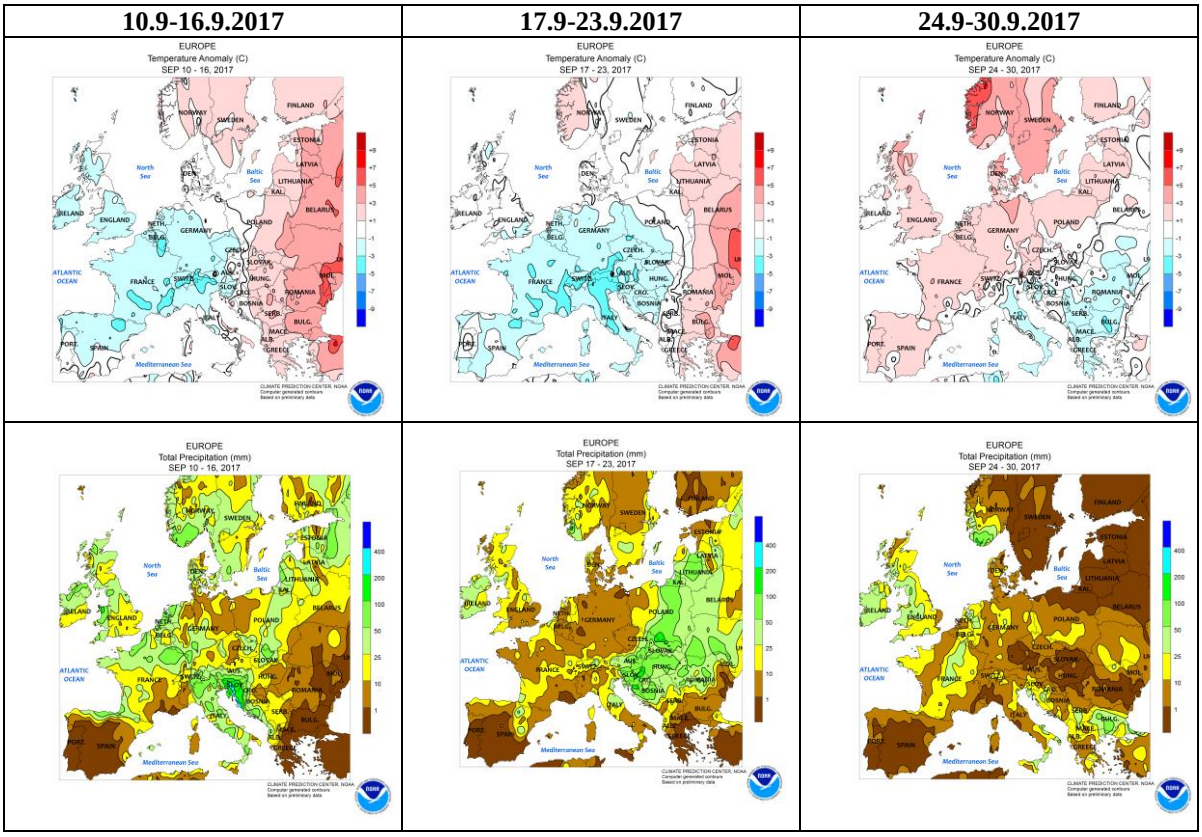

Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

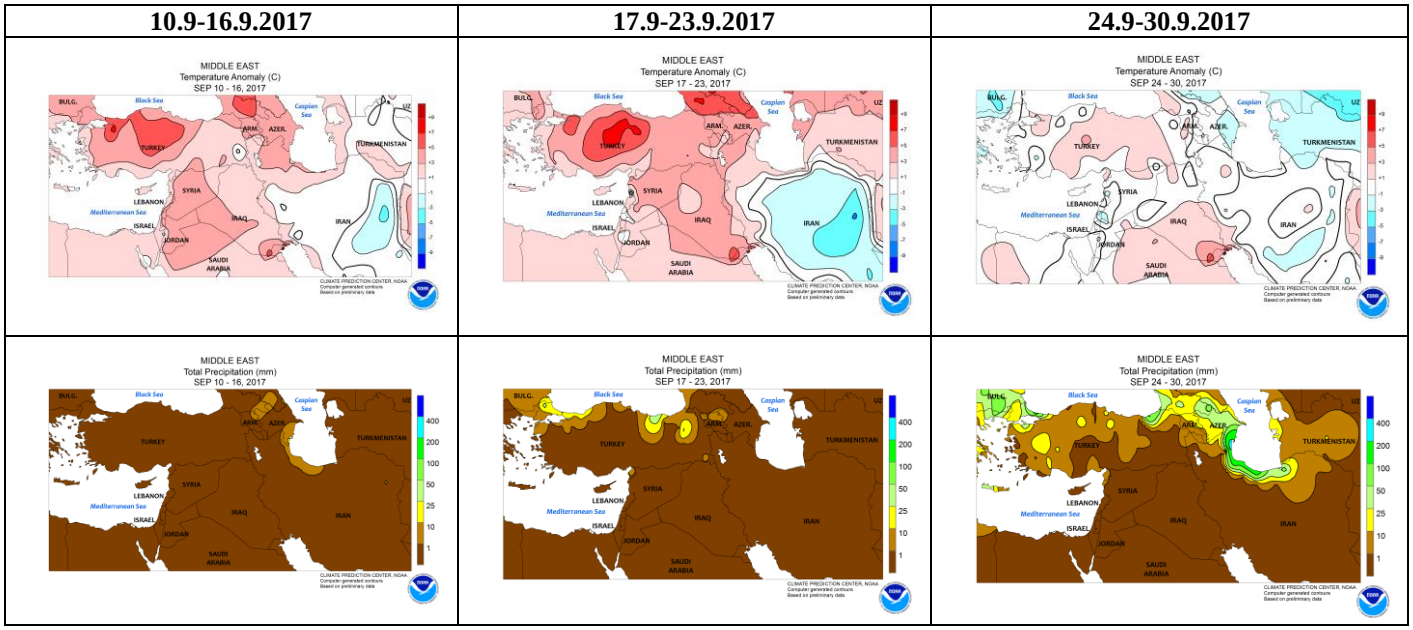

Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

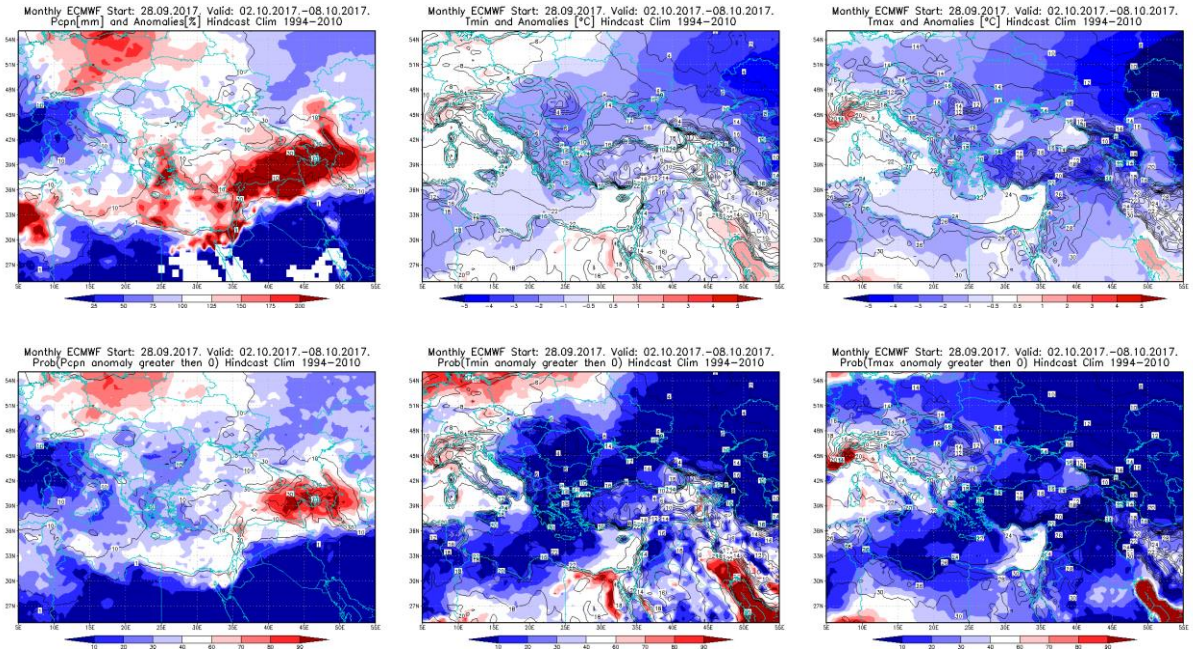

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 2 – 8.10.2017 period

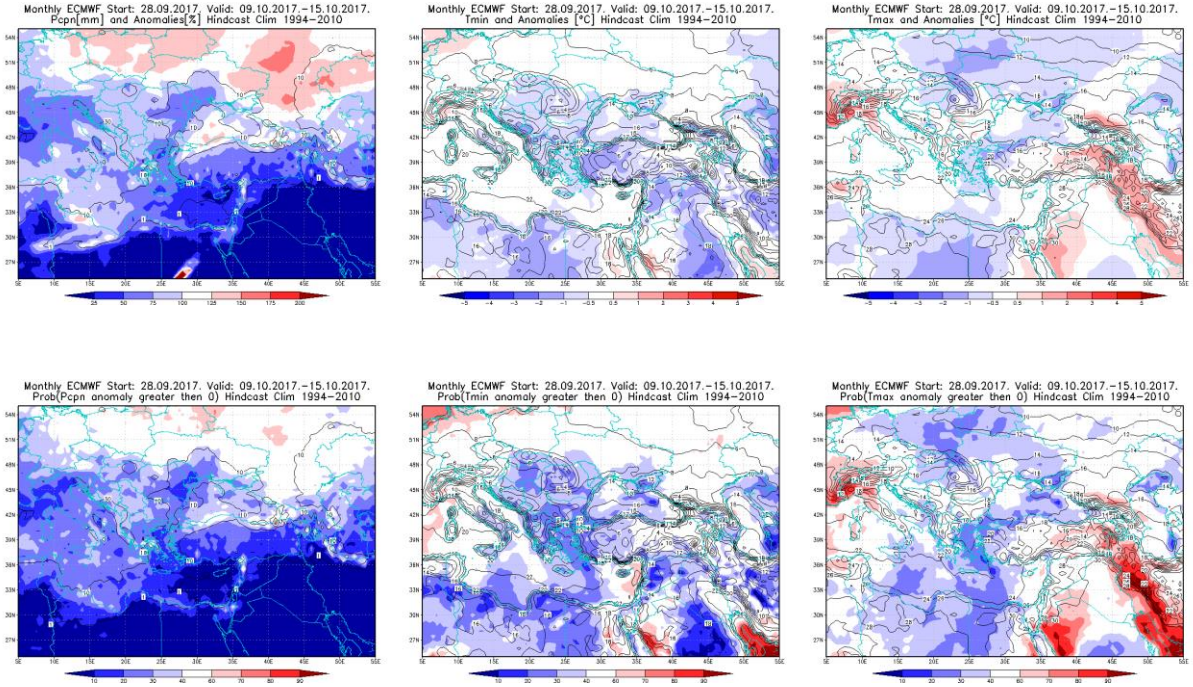

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 9 – 15.10.2017 period

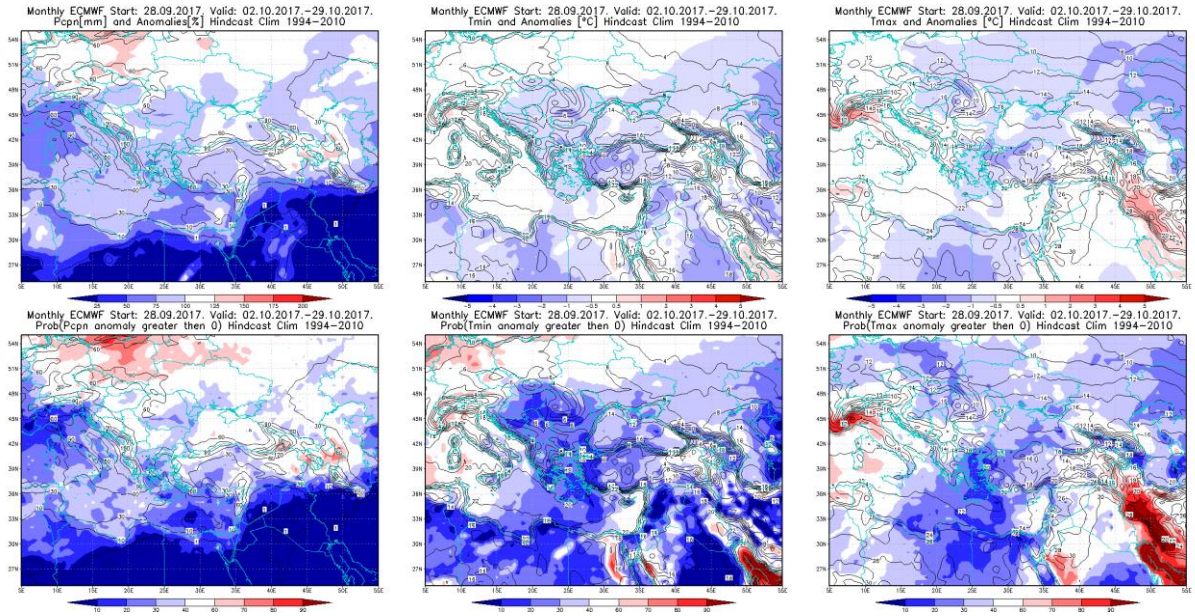

Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 2 – 29.10.2017 period

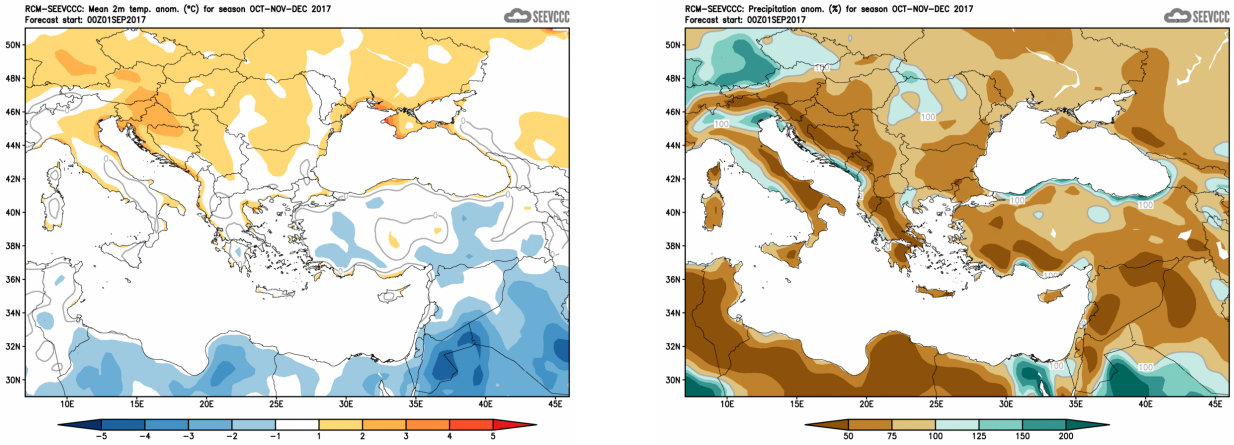

Figure 6. Mean seasonal temperature and precipitation anomaly for the season OND (seasonal outlook from RCM – SEEVCCC)

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/)