

Climate Watch (Serial No.: 20180410 – 00)

Initial/Updated/Final

Topic: **temperature and precipitation**

Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled 10-4-2018 12:00 P.M.

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Valid from – to: 10-4-2018– 30-6-2018 Next amendment: 13-4-2018

Region of concern: **Balkans and Turkey**

„Until the April 15th 2018, ECMWF monthly forecast predicts above normal mean weekly air temperature in the entire SEE region with anomaly reaching up to +5°C. Probability for exceeding upper tercile is around 90%. Precipitation deficit is predicted for most of the SEE region with probability around 70% for exceeding lower tercile. Precipitation surplus is expected for the part of southern Turkey with around 90% probability for exceeding upper tercile.”

Monitoring

In the period from April 1st to 7th 2018, above normal air temperature, with anomaly up to +5°C was observed in most of the region, whilst in part of western Turkey, central Bulgaria, northern Romania and Moldova anomaly reached +7°C. Weekly precipitation sums up to 100 mm were registered in Bosnia and Herzegovina, while in Serbia and part of western Romania sums reached up to 50 mm. In rest of the region precipitation totals were below 25 mm.

Outlook

Within the first week (April 9th to 15th 2018), ECMWF monthly forecast predicts above normal mean weekly air temperature in the entire SEE region with anomaly reaching up to +5°C. Probability for exceeding upper tercile is around 90%. Precipitation deficit is predicted for most of the SEE region with probability around 70% for exceeding lower tercile. Precipitation surplus is expected for the part of southern Turkey with probability around 90% for exceeding upper tercile.

During the second week (April 16th to 22nd 2018), above normal mean weekly air temperature is expected in the entire SEE region with anomaly ranging from +2°C in the Balkans to +4°C in Turkey. Probability for exceeding upper tercile is around 70%. Average precipitation is predicted for most of the SEE region.

In the period from April 9th to May 6th 2018, above normal mean monthly air temperature is expected in the entire SEE region with anomaly around +2°C and probability for exceeding upper tercile up to 80%. Average precipitation is predicted for most of the SEE region. Precipitation surplus is expected for the part of southern Turkey with around 60% probability for exceeding upper tercile.

During the following three months (April, May and June) seasonal forecast predicts above normal seasonal air temperature for most of the SEE region. Precipitation surplus is predicted for the Carpathian region and South Caucasus. Precipitation deficit is expected in the eastern and southern Balkans, as well as in Cyprus, western and southern Turkey.

Update

An updated statement will be issued on 13-4-2018

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

ANNEX

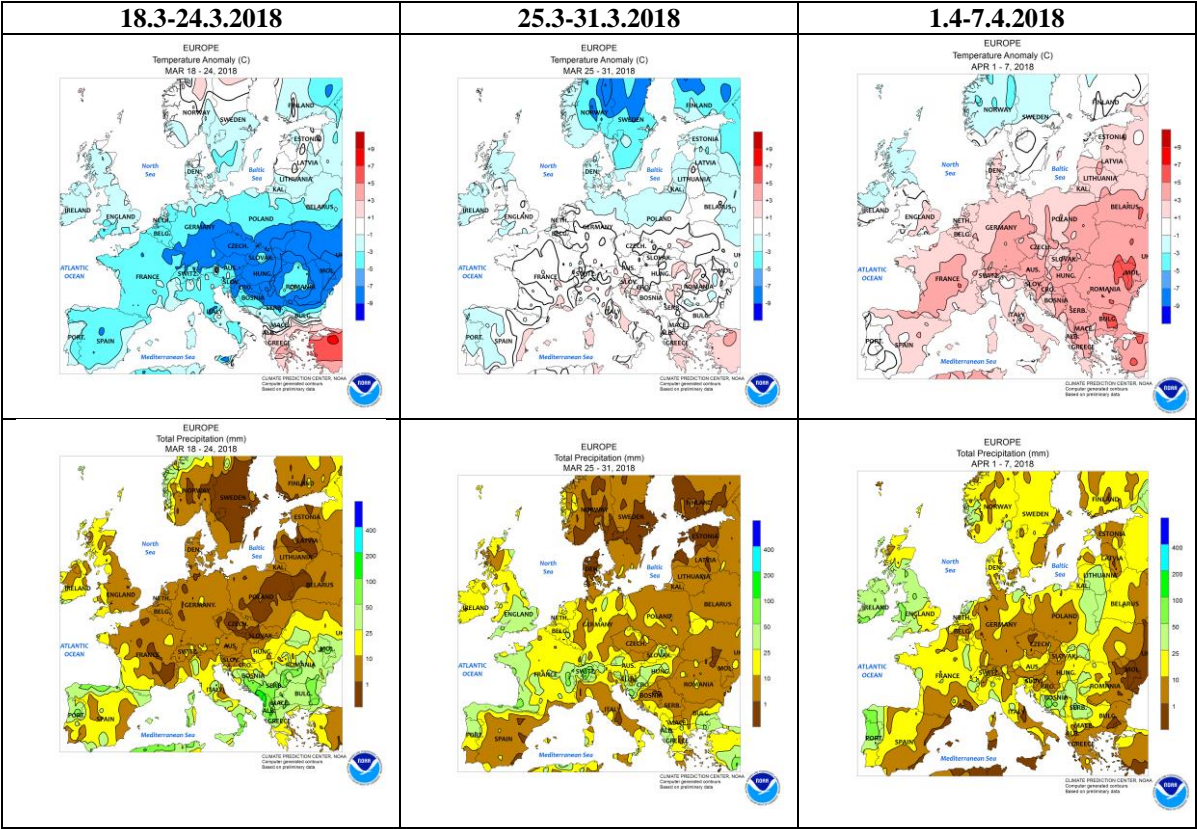


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

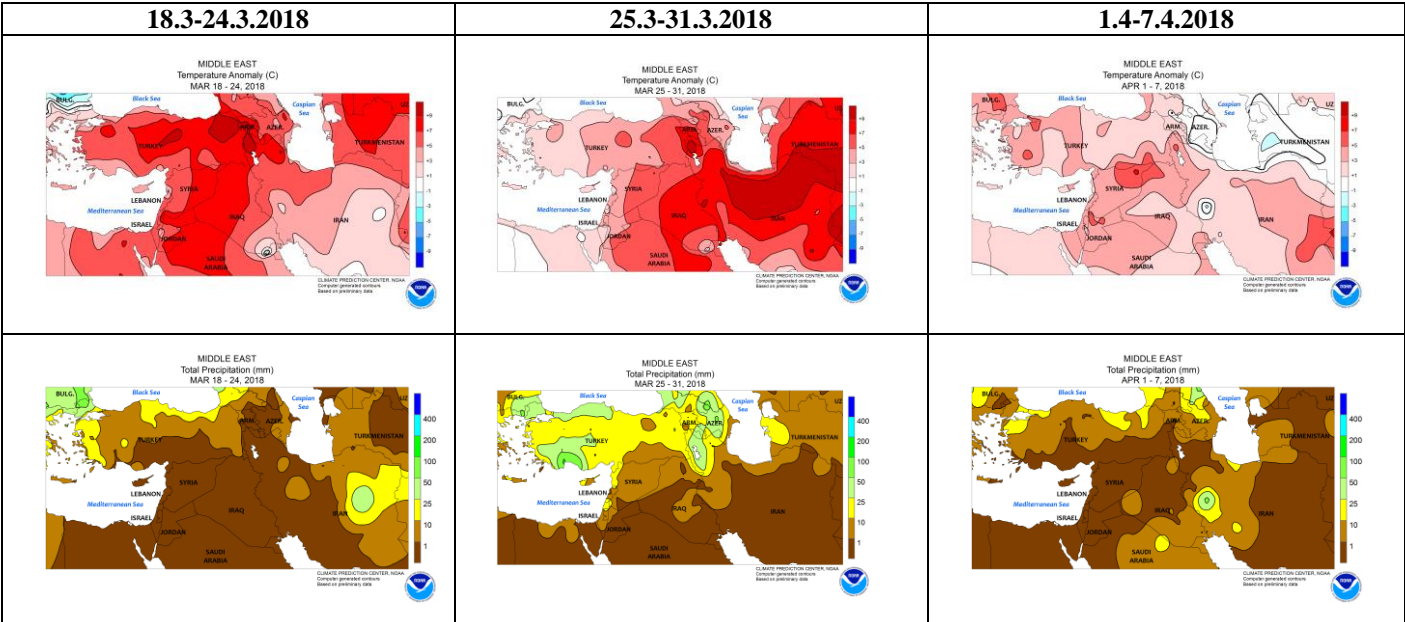


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

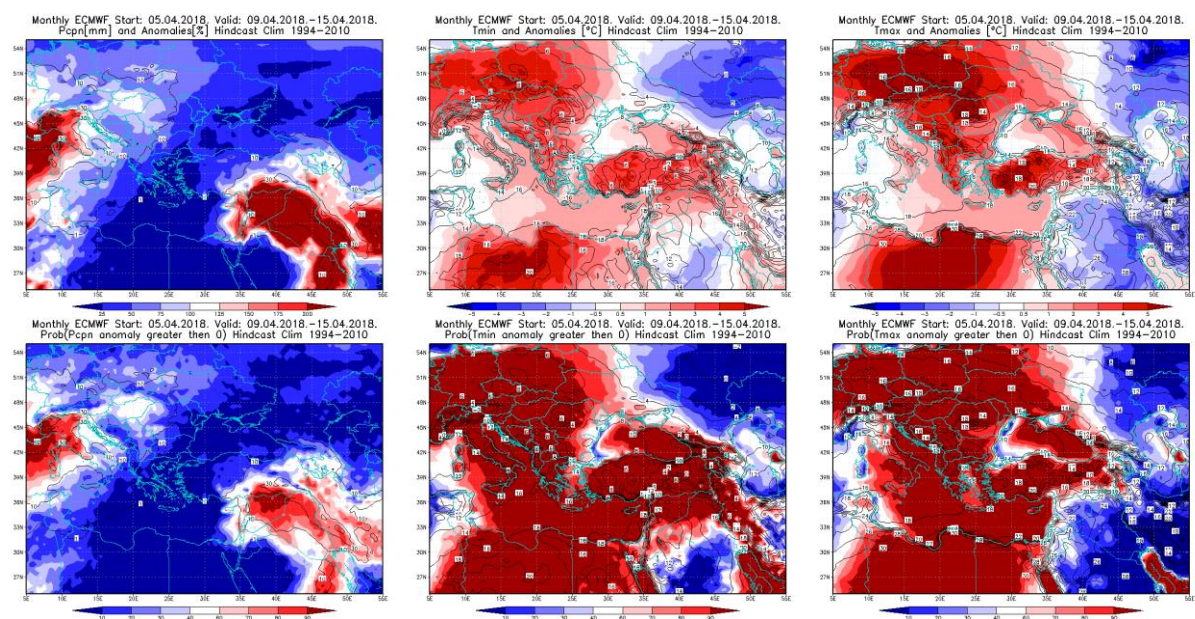


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 9.4 – 15.4.2018 period

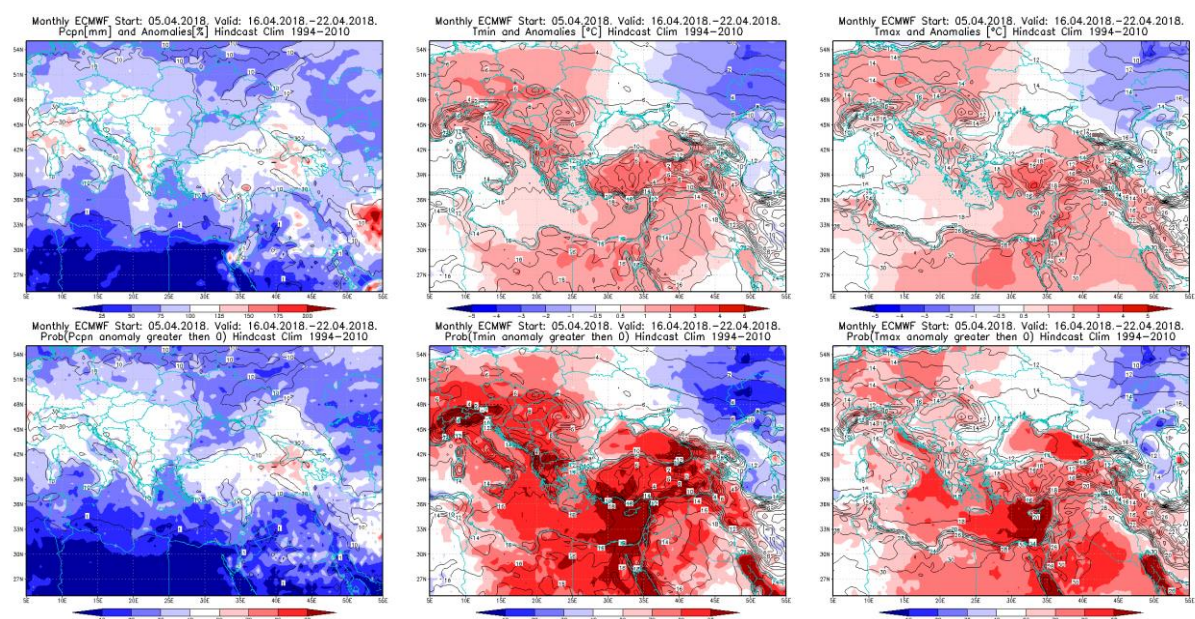


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 16.4 – 22.4.2018 period

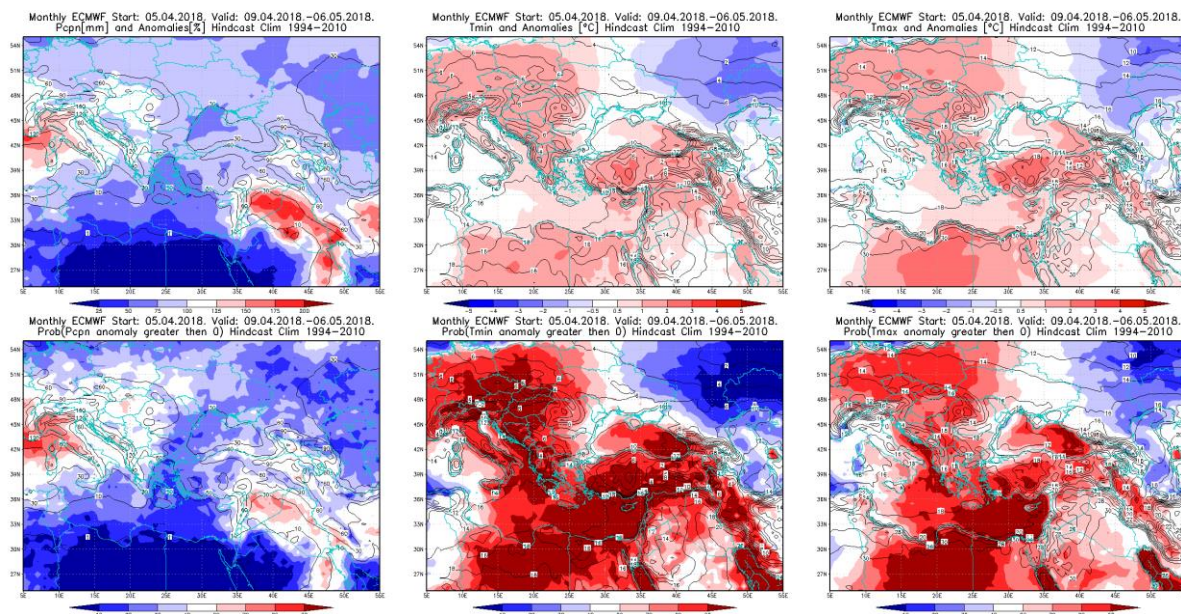


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 9.4 – 6.5.2018 period

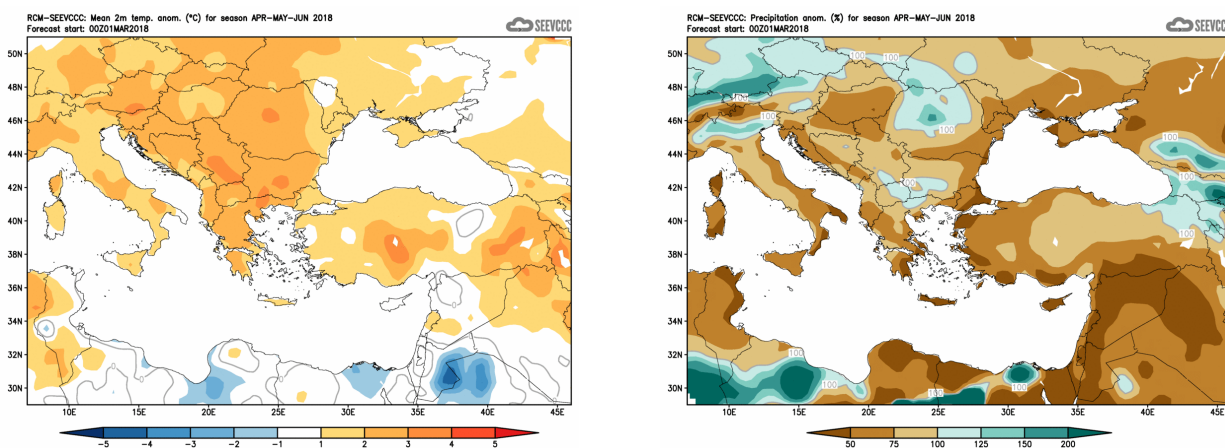


Figure 6. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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/>)