

Topic: **precipitation**

Organization issuing
the statement: SEEVCCC

Issued/ Amended / 2-4-2018 12:00 P.M.
Cancelled

Contact: E-mail: cws-seevccc@hidmet.gov.rs
Phone: +381112066925
Fax: +381112066929

Valid from – to: 2-4-2018– 30-6-2018 Next amendment: 10-4-2018

Region of concern: **northwestern and southern parts of the Balkans**

„In the period from April 2nd to 8th 2018, ECMWF monthly forecast predicts precipitation surplus for the northwestern Balkans, with probability around 60% for exceeding lower/upper tercile. During the second week (April 9th to 15th), precipitation surplus is expected for the southern parts of the Balkans, with up to 60% probability for exceeding upper tercile.”

Monitoring

In the period from March 25th to 31st 2018, above normal air temperature, with anomaly up to +3°C was observed in most parts of the northwestern Balkans, Romania, Greece, and western Turkey as well as Cyprus, whilst in rest of Turkey and South Caucasus anomaly reached +9°C. Below normal air temperature, with anomaly up to -3°C, was registered in some parts of the southern and eastern Romania. Weekly precipitation sums reached up to 100 mm in north-westernmost Balkans, for some parts of the southern Balkans, as well as Azerbaijan and southernmost Turkey. In rest of the region precipitation sums were below 25 mm.

Outlook

Within the first week (April 2nd to 8th 2018), ECMWF monthly forecast predicts above normal mean weekly air temperature in almost entire SEE region with anomaly reaching up to +4°C. Probability for exceeding upper tercile is around 90%. Precipitation deficit is predicted for almost entire SEE region, while precipitation surplus is expected for the northwestern Balkans, with probability around 60% for exceeding lower/upper tercile.

During the second week (April 9th to 15th 2018), above normal mean weekly air temperature is expected in almost entire SEE region with anomaly reaching up to +4°C, with probability for exceeding upper tercile ranging from 60% in the Balkans, up to 90% in Cyprus and Turkey. Precipitation surplus is predicted for the southern parts of the Balkans, with up to 60% probability for exceeding upper tercile.

In the period from April 2nd to 29th 2018, above normal mean monthly air temperature is expected Aegean Sea region, Cyprus and Turkey with anomaly reaching up to +3°C and probability for exceeding upper tercile to 90%. Precipitation deficit is predicted for Cyprus, most of Turkey and Middle East region, with around 60% probability for exceeding lower 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 9-4-2018

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

ANNEX

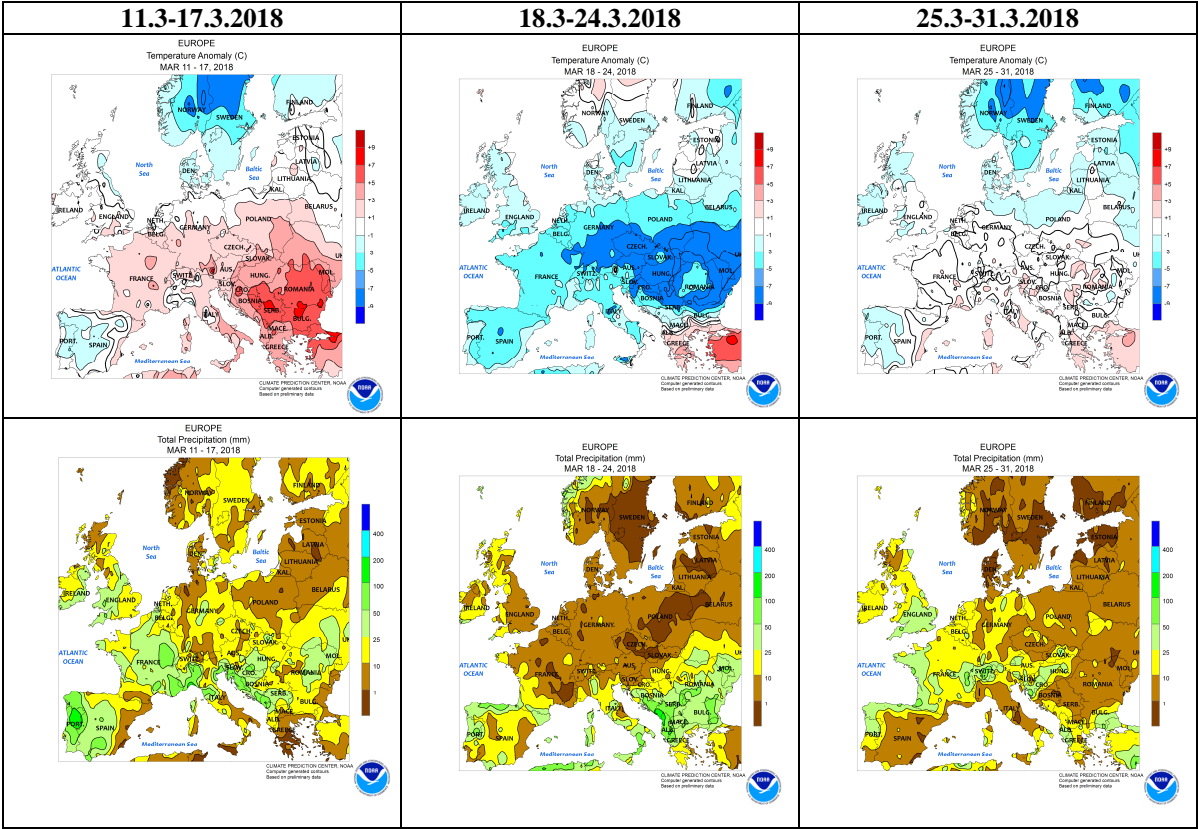


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

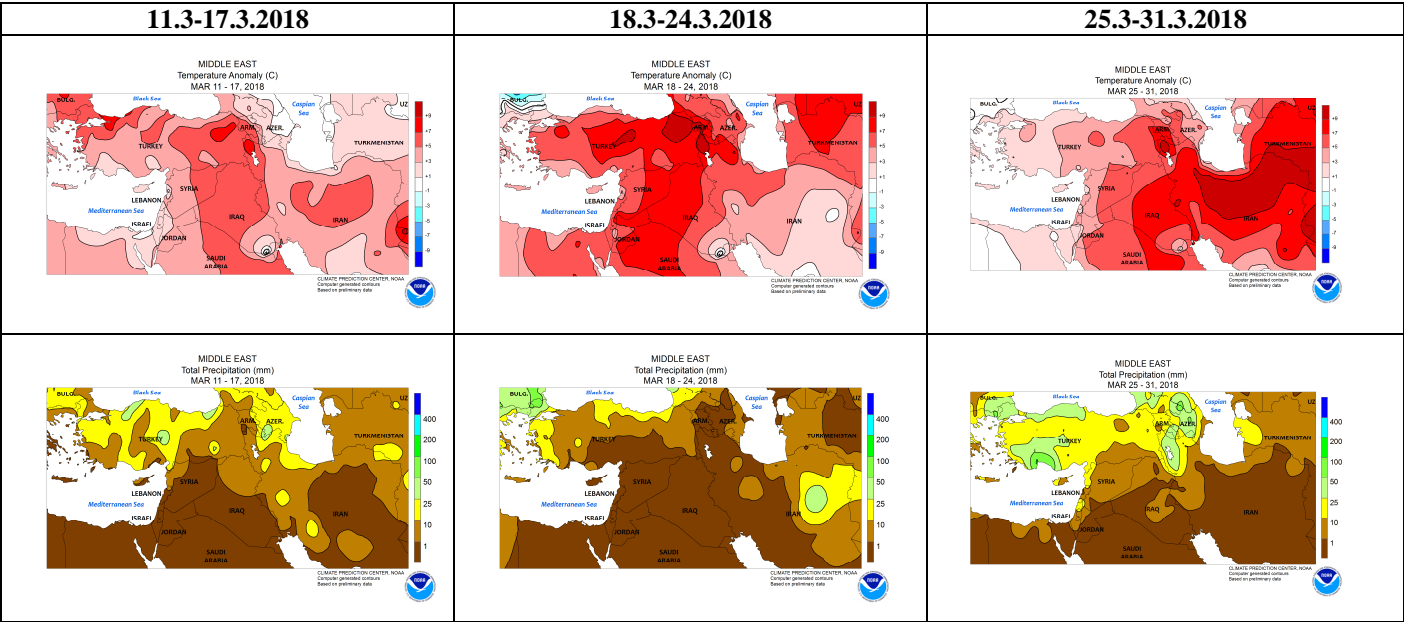


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

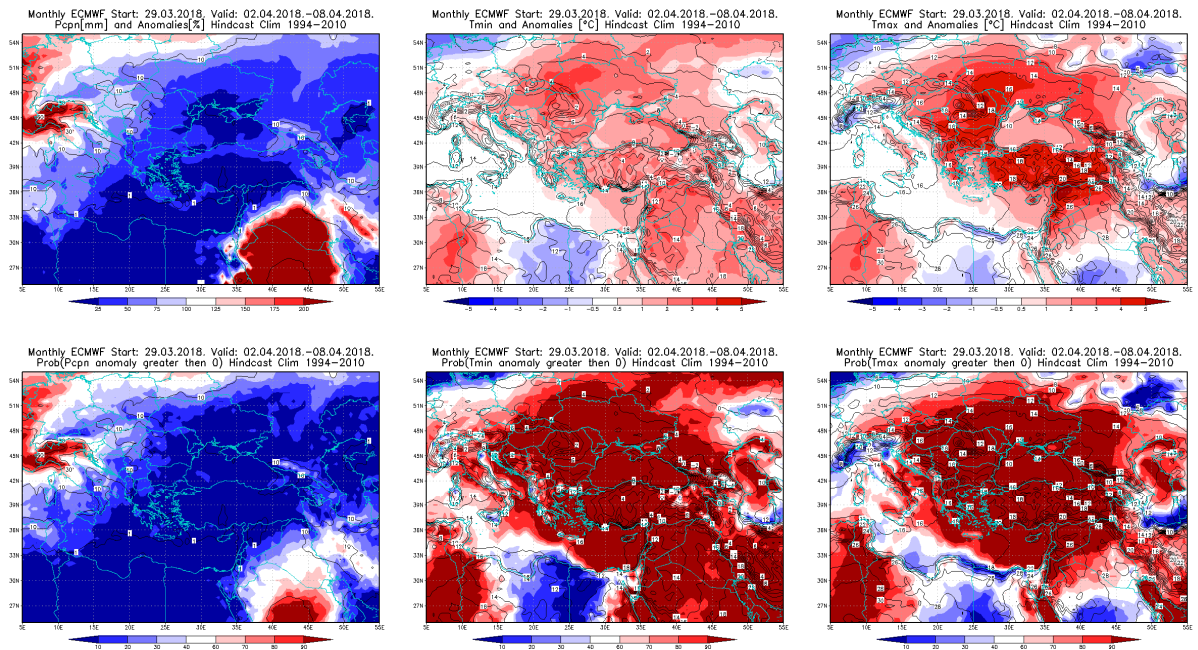


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 2.4 – 8.4.2018 period

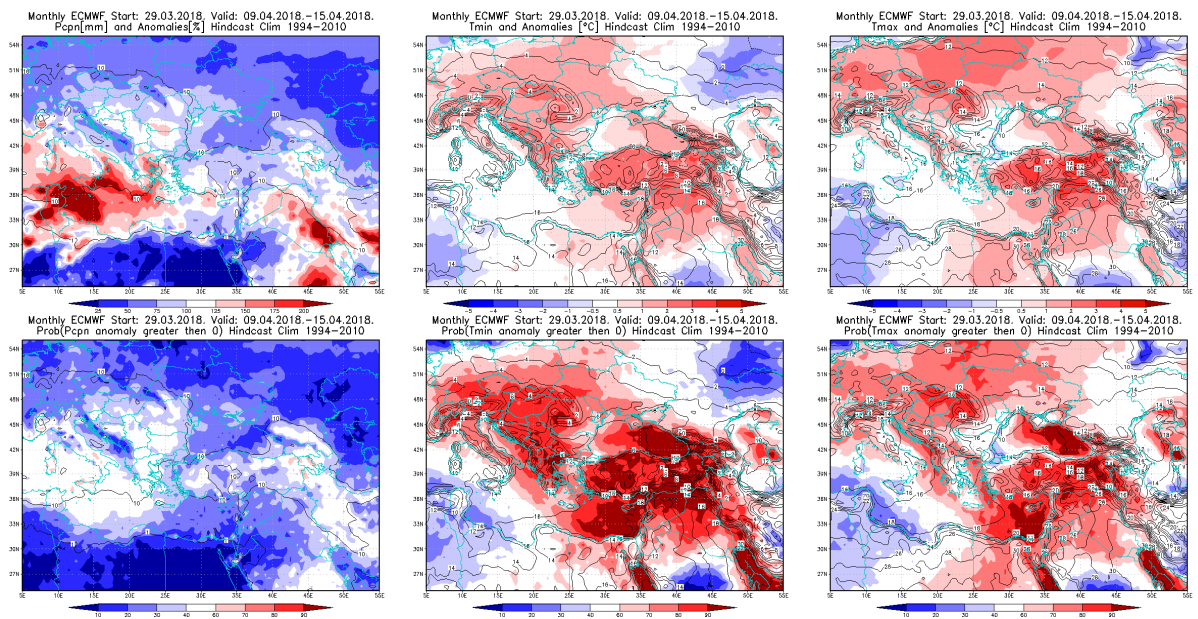


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 9.4 – 15.4.2018 period

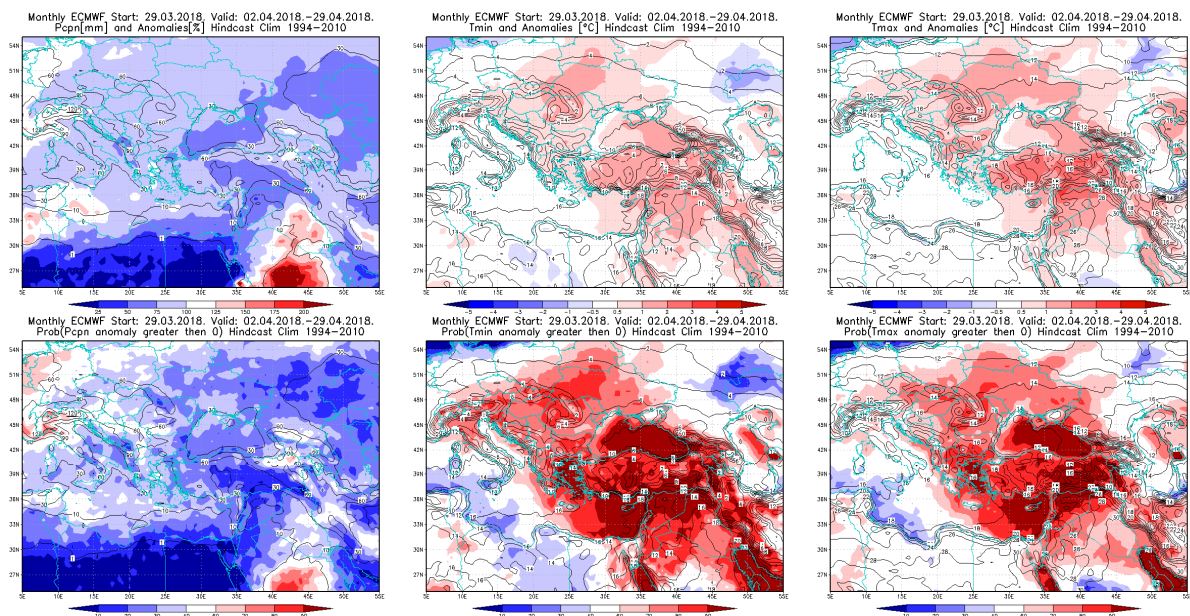


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 2.4 – 29.4.2018 period

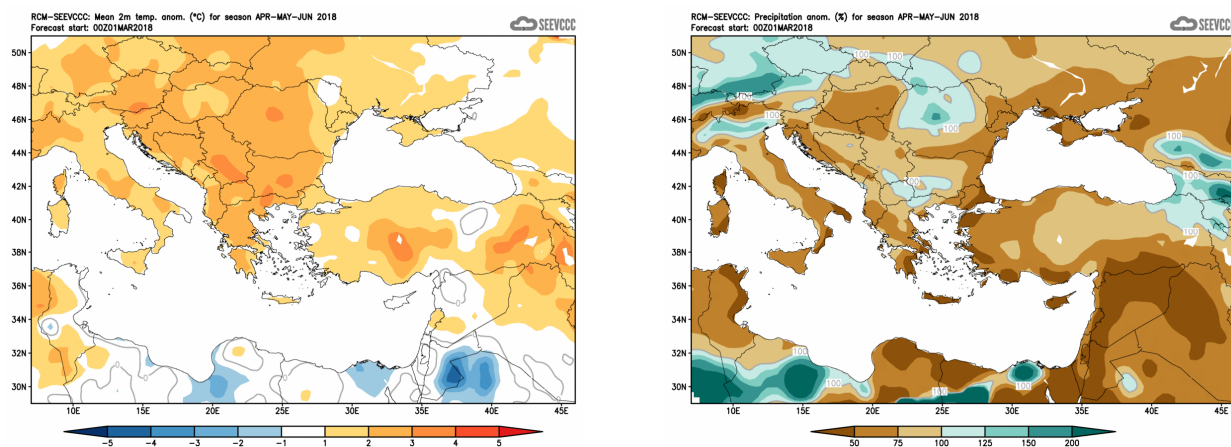


Figure 6. Mean seasonal temperature and precipitation anomaly for the season AMJ (seasonal outlook from RCM – SEEVCCC)

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/>)