

**Topic: temperature and precipitation**

Organization issuing the statement: SEEVCCC

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Region of concern: **Balkans, Ukraine, Cyprus, Turkey, South Caucasus and Middle East**

„In the period from June 4<sup>th</sup> to 10<sup>th</sup> 2018, ECMWF monthly forecast predicts above normal mean weekly air temperature in the Balkans, western Ukraine, western and central Turkey, as well as some parts of the south Caucasus, with up to +4°C anomaly. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is expected over the Adriatic Sea, Carpathian Mountains, parts of the eastern Balkans, Cyprus and Middle East. Probability for exceeding upper tercile is in a range from around 60%, up to 80% over mid-Adriatic, Cyprus and Middle East. Until the end of June, above normal mean monthly air temperature is expected in most of the SEE region, except in eastern Turkey and some parts of the south Caucasus, with anomaly reaching up to +3°C. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is expected along the coasts of Adriatic and Ionian Sea, Cyprus, southern Turkey and Middle East, with up to 90% probability for exceeding upper tercile.”

## **Monitoring**

In the period from May 27<sup>th</sup> to June 2<sup>nd</sup> 2018, above normal air temperature, with anomaly up to +7°C, was registered in most of the SEE region. Weekly precipitation sums were mostly below 25 mm. Only in some parts of the Dinaric Alps, Carpathians, south Caucasus, western and northeastern Turkey precipitation totals up to 100 mm were registered.

## Outlook

Within the first week (June 4<sup>th</sup> to 10<sup>th</sup> 2018), ECMWF monthly forecast predicts above normal mean weekly air temperature in the Balkans, western Ukraine, western and central Turkey, as well as some parts of the south Caucasus, with up to +4°C anomaly. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is expected over the Adriatic Sea, Carpathian Mountains, parts of eastern Balkans, Cyprus and Middle East. Probability for exceeding upper tercile is in a range from around 60%, up to 80% over mid-Adriatic, Cyprus and Middle East.

During the second week (June 11<sup>th</sup> to 17<sup>th</sup> 2018), above normal mean weekly air temperature is expected in Ukraine, most of the Balkans, central Turkey, eastern Mediterranean and Middle East, with anomaly reaching up to +3°C. Probability for exceeding upper tercile is in a range from 60% over the Balkans, up to 90% in eastern Mediterranean. Precipitation surplus is expected over most of the Balkans, Cyprus, southern Turkey and Middle East. Probability for exceeding upper tercile is ranging from around 60%, up to 80% in Cyprus, southern Turkey and Middle East. Precipitation deficit is predicted for Ukraine, Moldova, eastern Romania and Georgia, with low probability for exceeding lower tercile.

In the period from June 4<sup>th</sup> to July 1<sup>st</sup> 2018, above normal mean monthly air temperature is expected in most of the SEE region, except in eastern Turkey and some parts of the south Caucasus, with anomaly reaching up to +3°C. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is expected along the coasts of Adriatic and Ionian Sea, Cyprus, southern Turkey and Middle East, with up to 90% probability for exceeding upper tercile. Precipitation deficit is predicted for Ukraine, Moldova and south Caucasus, with 60% probability for exceeding lower tercile.

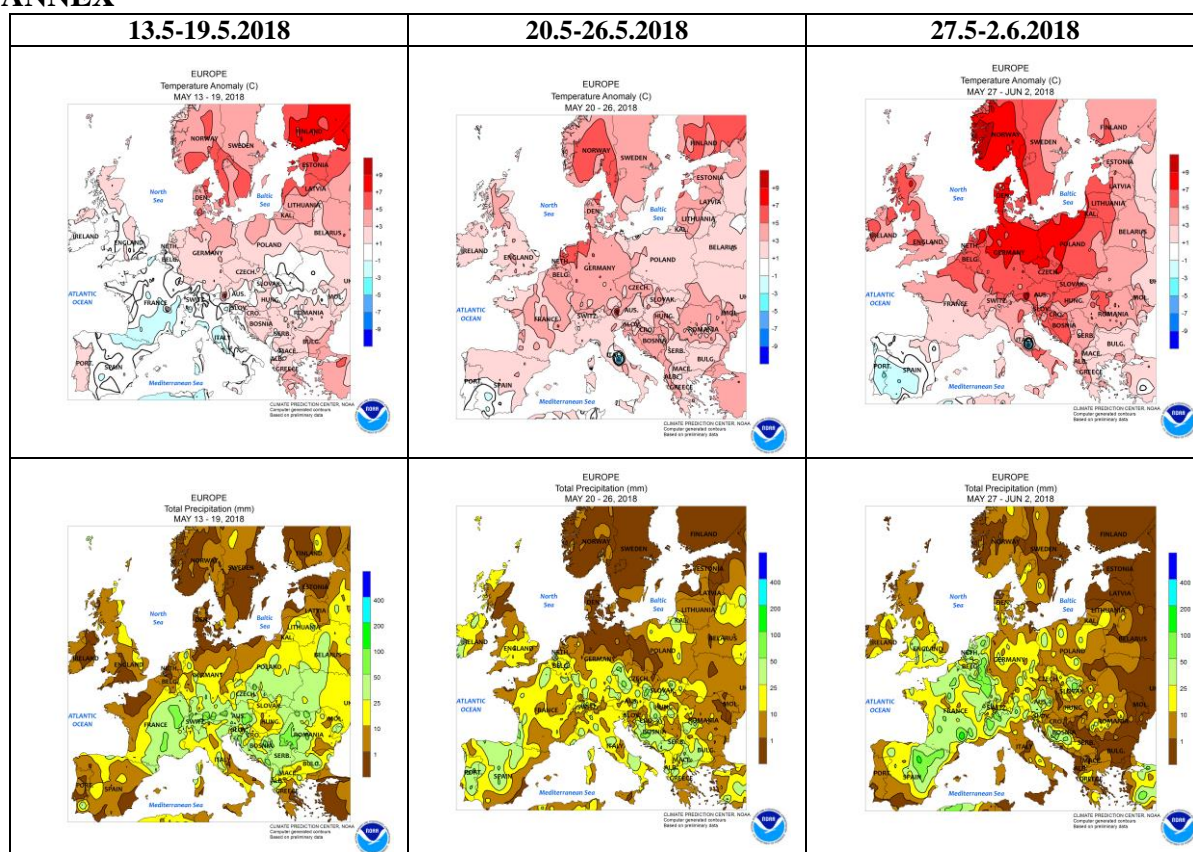
During the following three months (June, July and August) seasonal forecast predicts above normal seasonal air temperature for most of the SEE region. Below normal seasonal air temperature is expected in parts of eastern Turkey. Precipitation deficit is expected in most of the SEE region. Precipitation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

## Update

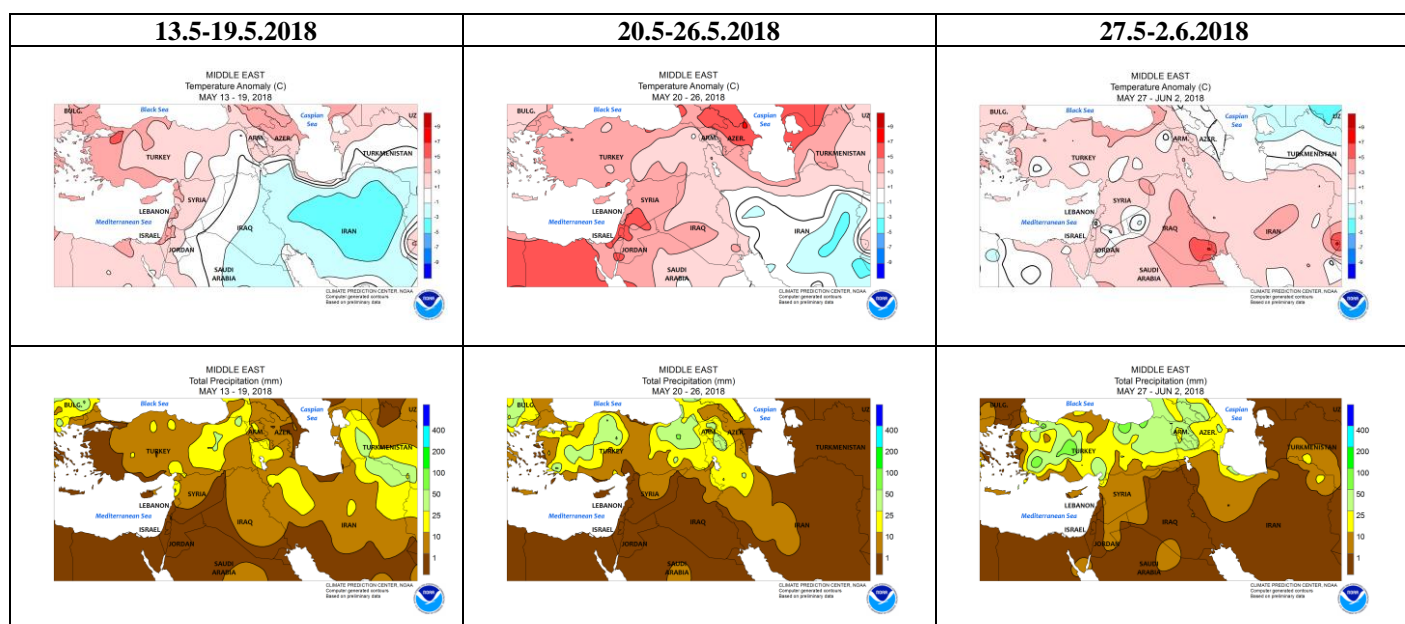
An updated statement will be issued on 11-6-2018

For further information please contact [cws-seevccc@hidmet.gov.rs](mailto:cws-seevccc@hidmet.gov.rs)

## ANNEX

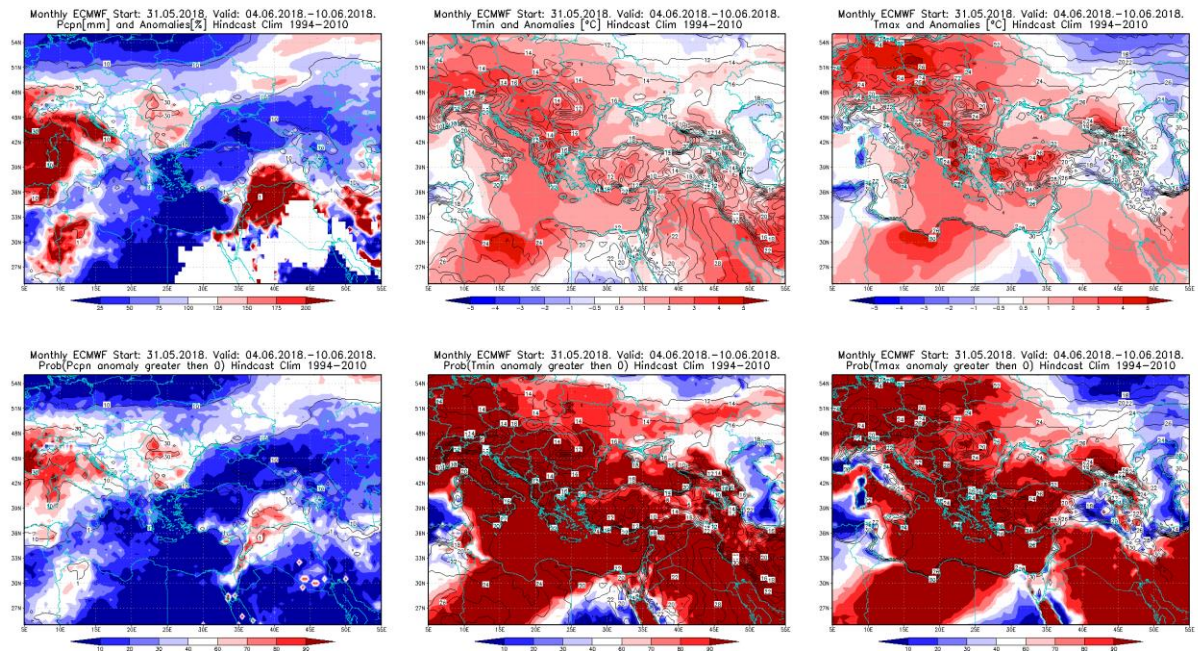


**Figure 1.** Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

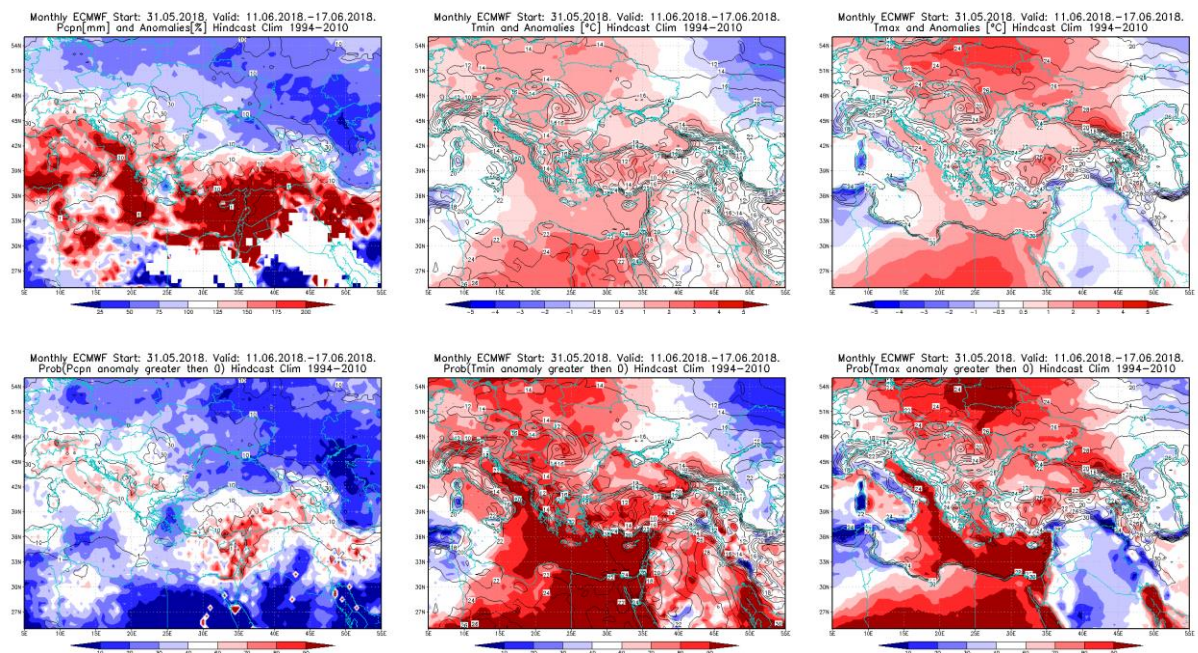


**Figure 2.** Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)



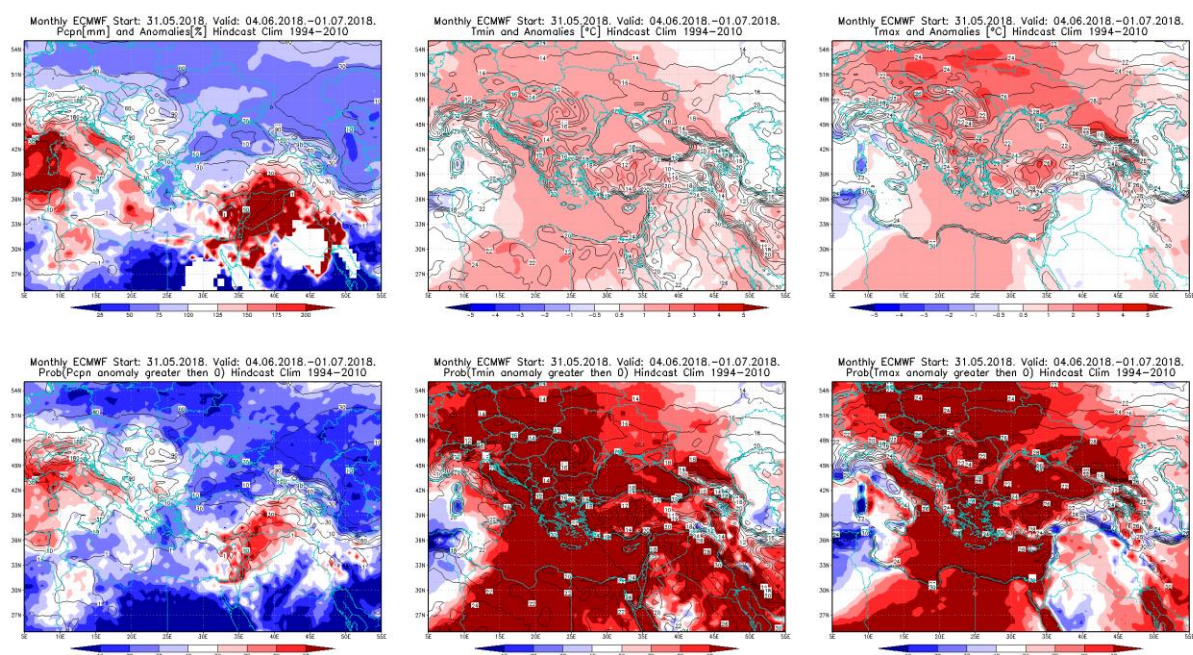


**Figure 3.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 4.6 – 10.6.2018 period

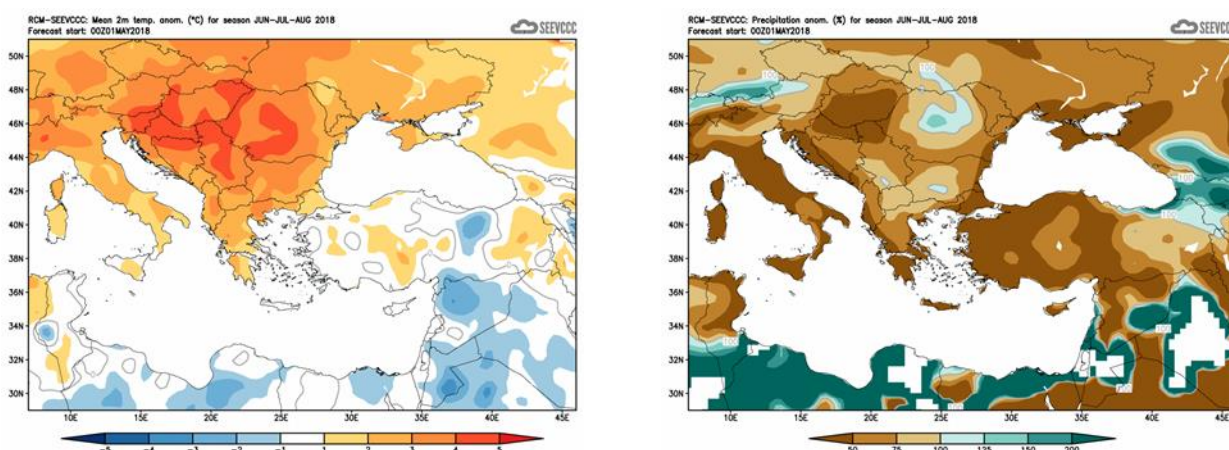


**Figure 4.** Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 11.6 – 17.6.2018 period





**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 4.6 – 1.7.2018 period



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

## Sources

- Republic Hydrometeorological Service of Serbia ([www.hidmet.gov.rs](http://www.hidmet.gov.rs))
- South East European Virtual Climate Change Center ([www.seevccc.rs](http://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/>)