

Climate Watch (Serial No.: 20180212 – 00)

Initial/Updated/Final

Topic: **temperature** and **precipitation**

Organization issuing the statement: SEEVCCC

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Cancelled

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Valid from – to: 12-2-2018– 30-4-2018 Next amendment: 19-2-2018

Region of concern: **the Balkans, Turkey, south Caucasus**

„In the period from February 12th to 18th 2018, ECMWF monthly forecast predicts above normal mean weekly air temperature in the entire region, with anomaly reaching up to +3°C in the northeastern Balkans and anomaly reaching up to +5°C in Turkey and south Caucasus. Probability for exceeding upper tercile is in a range from 60% in the Balkans to 90% in Turkey. Precipitation surplus is expected in the southern and western Balkans with up to 80% probability for exceeding upper tercile.

Monitoring

In the period from February 4th to 10th 2018, above normal air temperature, with anomaly up to +5°C was observed in most of the Balkans, in central Turkey and Azerbaijan reaching even up to +9°C. Weekly precipitation sums reached 100 mm in some parts of the western and southern Balkans. In rest of the region precipitation sums were below 25 mm.

Outlook

Within the first week (February 12th to 18th 2018), ECMWF monthly forecast predicts above normal mean weekly air temperature in the entire region, with anomaly reaching up to +3°C in the northeastern Balkans and anomaly reaching up to +5°C in Turkey and south Caucasus. Probability for exceeding upper tercile is in a range from 60% in the Balkans to 90% in Turkey. Precipitation surplus is expected in the southern and western Balkans with up to 80% probability for exceeding upper tercile.

During the second week (February 19th to 25th 2018), above normal mean weekly air temperature is forecasted for the entire region, with anomaly reaching up to +4°C in the northeastern Balkans and northern Turkey. Probability for exceeding upper tercile is up to 80%. Precipitation surplus is predicted for Greece and Aegean Sea, with up to 70% probability for exceeding upper tercile.

In the period from February 12th to March 11th 2018, above normal mean monthly air temperature is forecasted with anomaly up to +2°C in the Balkans and up to +4°C in Turkey. Probability for exceeding upper tercile is in a range from 60% to 90%, respectively. Average precipitation sums are forecasted for most of the region.

During the following three months (February, March and April) seasonal forecast predicts above normal seasonal air temperature for most of the SEE region. Precipitation deficit is expected in southern Turkey, as well as in part of the western and southern Balkans. Precipitation surplus is predicted for Carpathian region, along the southern Adriatic, northern and central part of Turkey and South Caucasus.

Update

An updated statement will be issued on 19-2-2018

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

ANNEX

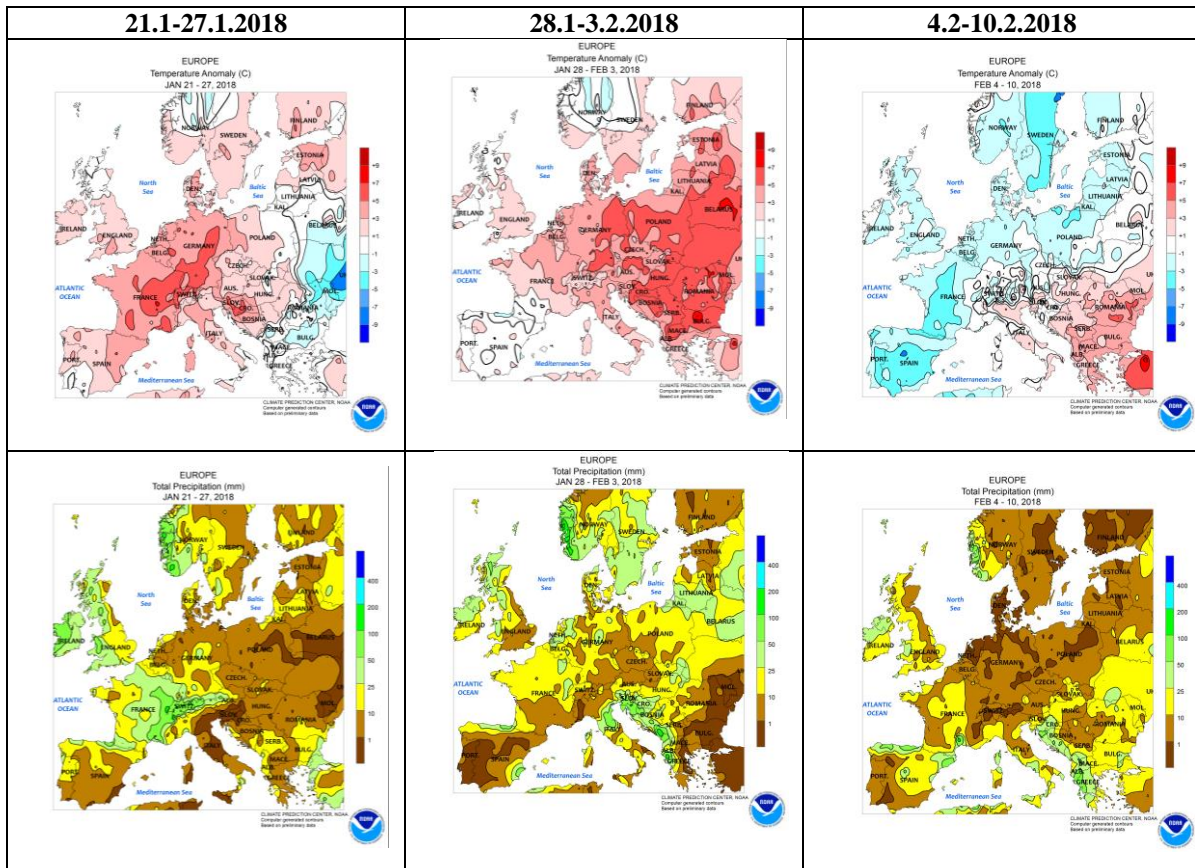


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

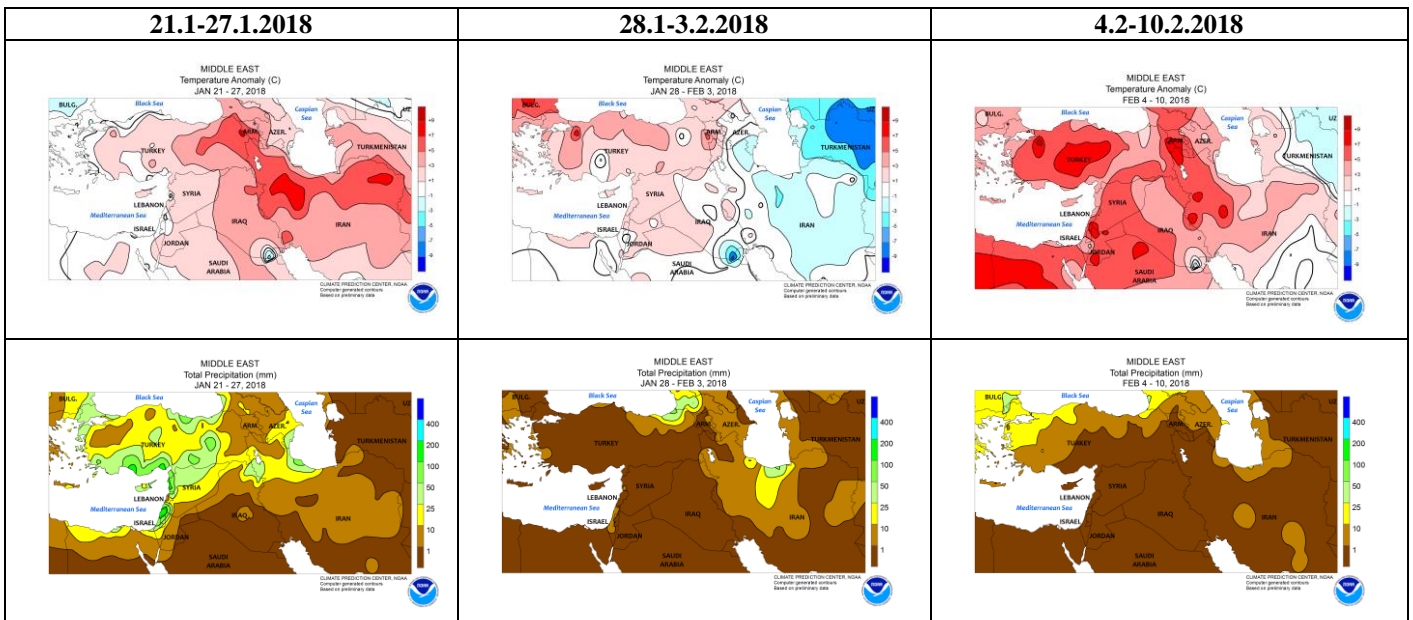


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

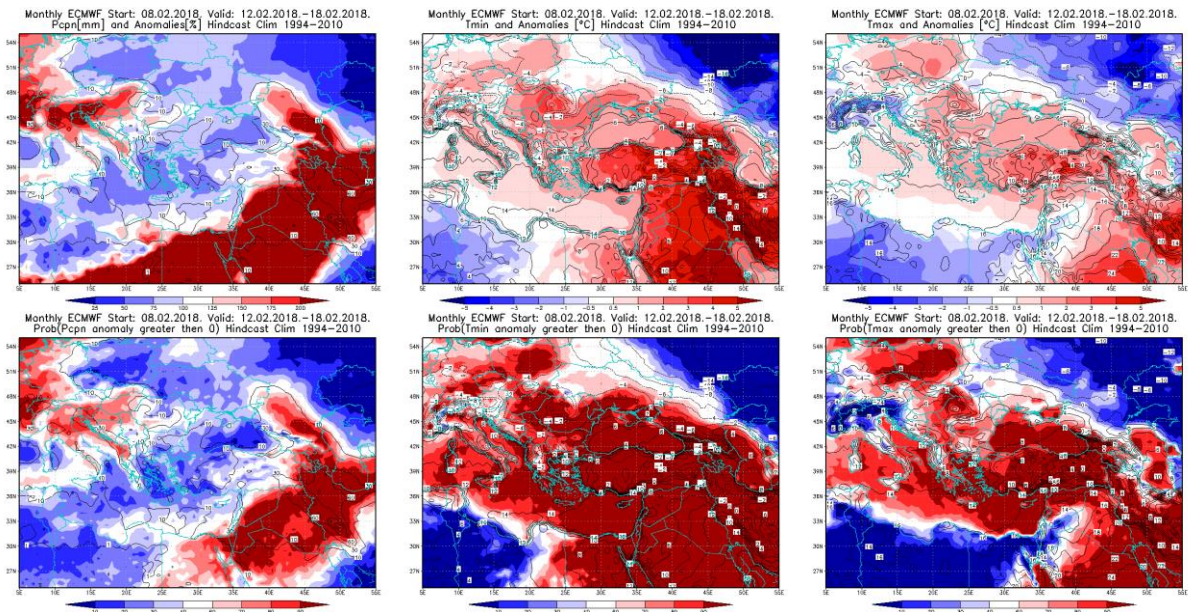


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 12.2 – 18.2.2018 period

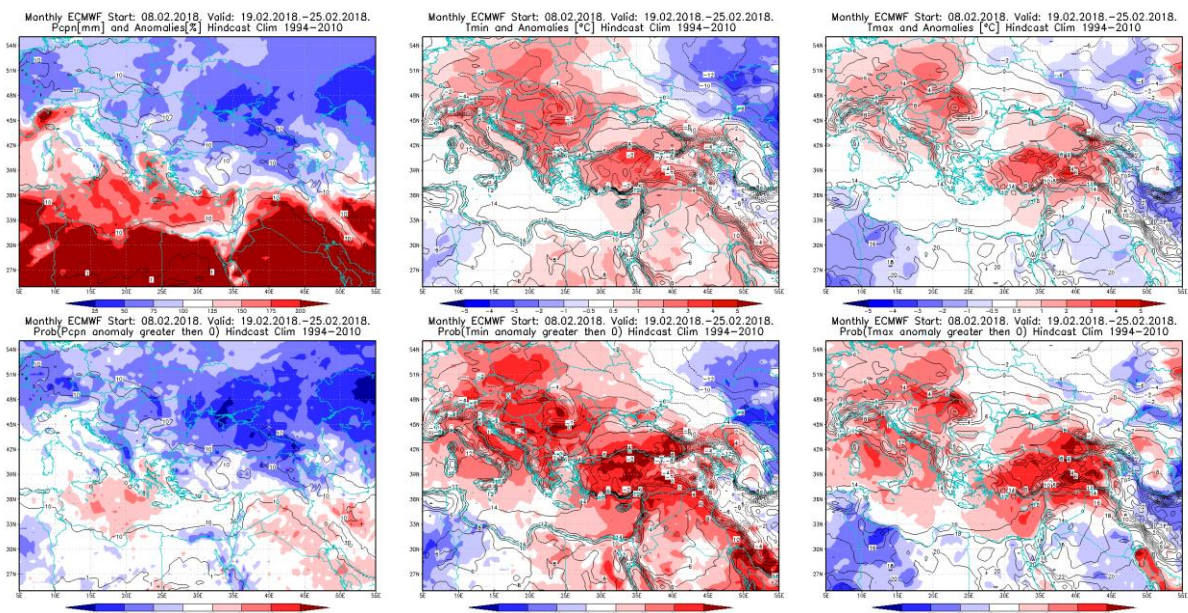


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 19.2 – 25.2.2018 period

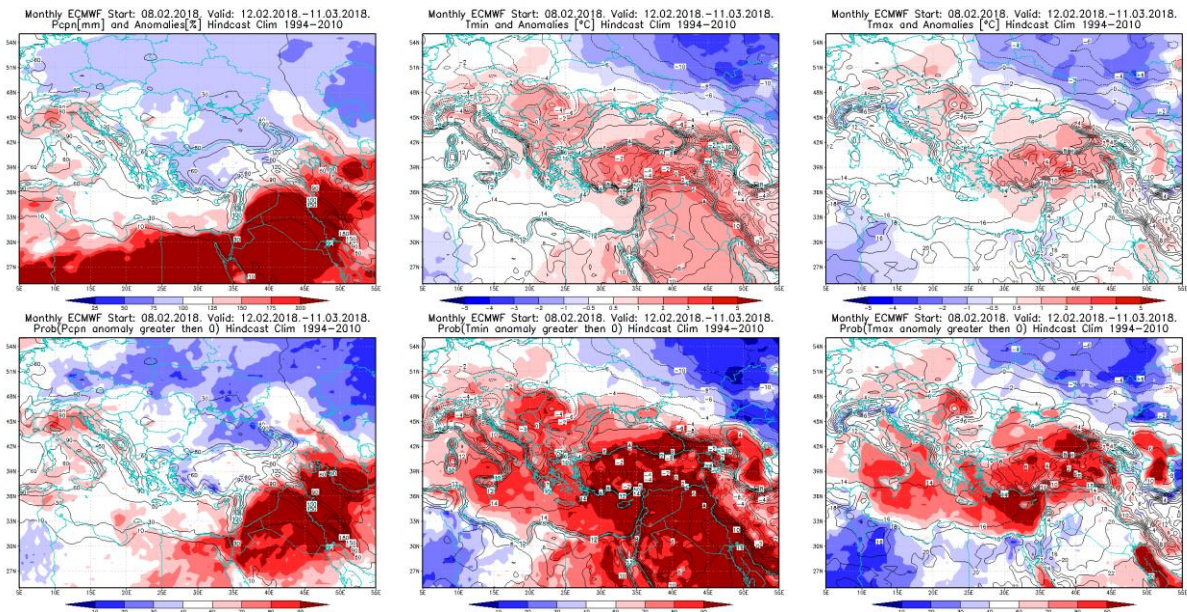


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 12.2 – 11.3.2018 period

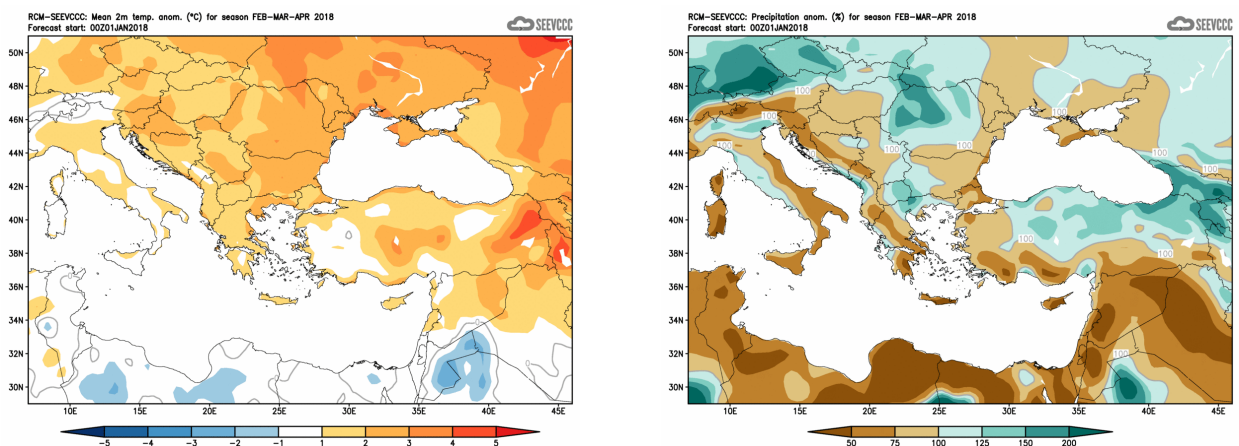


Figure 6. Mean seasonal temperature and precipitation anomaly for the season FMA (seasonal outlook from RCM – SEEVCCC)

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/>)