

Climate Watch (Serial No.: 20190121 – 00)

Initial/Updated/Final

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

Organization issuing the statement: SEEVCCC

Issued/ Amended / 21-1-2019 12:00 P.M.
Cancelled

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

Valid from – to: 21-1 – 30-4-2019 Next amendment: 28-1-2019

Region of concern: **the Balkans, Moldova, Ukraine and Turkey**

„In the period from January 21st to 27th 2019, ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly up to -4°C, in northwestern Balkans and northwestern Ukraine. Probability for exceeding lower tercile is up to 90%. Precipitation surplus is expected in most of the Balkans, Moldova, Ukraine and western Turkey, with up to 90% probability for exceeding upper tercile.”

Monitoring

In the period from January 13th to 19th 2019, above normal air temperature was registered in northwestern and southeastern Balkans, most of Ukraine, south Caucasus, as well as parts of western, northern and eastern Turkey, with anomaly reaching up to +5°C, in northwestern Balkans even up to +7°C. Below normal air temperature was recorded in southern Balkans, eastern Romania and parts of central Turkey, with anomaly reaching up to -3°C, in the southern Balkans even up to -7°C. Weekly precipitation sums were below 25 mm in most of the Balkans, Ukraine, central Turkey and south Caucasus. Precipitation totals were in a range from 50 mm along the Adriatic Sea, southernmost Balkans, western Romania, northern Turkey and western Georgia, up to 100 mm in Cyprus and Middle East and even 200 mm in southern Turkey.

Outlook

Within the first week (January 21st to 27th 2019), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly up to -4°C, in northwestern Balkans and northwestern Ukraine. Above normal mean weekly air temperature, with anomaly up to +4°C, is predicted for the southeastern Balkans, southern Ukraine, Cyprus, western and northern Turkey, south Caucasus and Middle East. Probability for exceeding lower/upper tercile is up to 90%. Precipitation surplus is expected in most of the Balkans, Moldova, Ukraine and western Turkey, with up to 90% probability for exceeding upper tercile. Precipitation deficit is forecasted for south Caucasus and Middle East, with probability in a range from 60% up to 80% for exceeding lower tercile.

During the second week (January 28th to February 3rd 2019), below normal mean weekly air temperature, with anomaly up to -4°C, is expected in northwestern Balkans and northwestern Ukraine. Probability for exceeding lower tercile is up to 70%. Above normal mean weekly air temperature, with anomaly up to +4°C, is forecasted for Turkey, south Caucasus and Middle East. Probability for exceeding upper tercile is up to 90%. Precipitation surplus is expected along the Adriatic and Ionian Sea, eastern Romania, Moldova and southern Ukraine, with around 60% probability for exceeding upper tercile.

In the period from January 21st to February 17th 2019, below normal mean weekly air temperature, with anomaly up to -3°C, is expected in northwestern Balkans and northwestern Ukraine. Probability for exceeding lower tercile is up to 70%. Above normal mean weekly air temperature, with anomaly up to +3°C, is forecasted for the southeastern Balkans, Cyprus, Turkey, south Caucasus and Middle East. Probability for exceeding upper tercile is in a range from 60% in the Balkans up to 90% in south Caucasus and Middle East. Precipitation surplus is expected in most of the Balkans, Romania, Moldova, most of Ukraine and western Turkey, with probability for exceeding upper tercile in a range from 60% up to 90% along the Adriatic and Ionian Sea, as well as southern Romania.

During the following three months (February, March and April) seasonal forecast predicts above normal seasonal air temperature for the eastern and central Balkans, most of Romania, Ukraine and some locations in south Caucasus and in central and eastern Turkey. Precipitation surplus is predicted for the Carpathian region, most of South Caucasus, southwestern Ukraine, northernmost, central and eastern Turkey, some location in the southern Balkans, and along the coast of Adriatic Sea. Precipitation deficit is expected in most of the western, southern and eastern Balkans, western and southern Turkey, Cyprus, Israel and Jordan.

Update

An updated statement will be issued on 28-1-2019

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

ANNEX

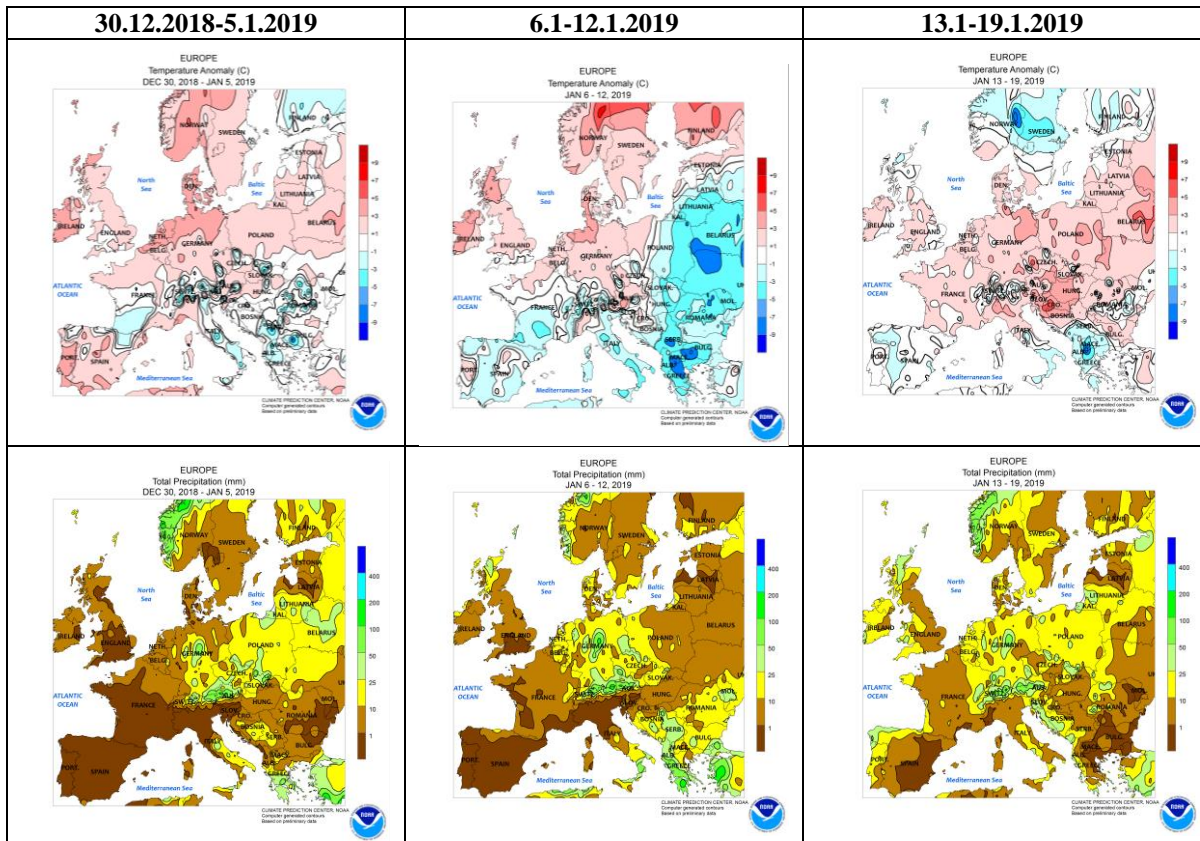


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

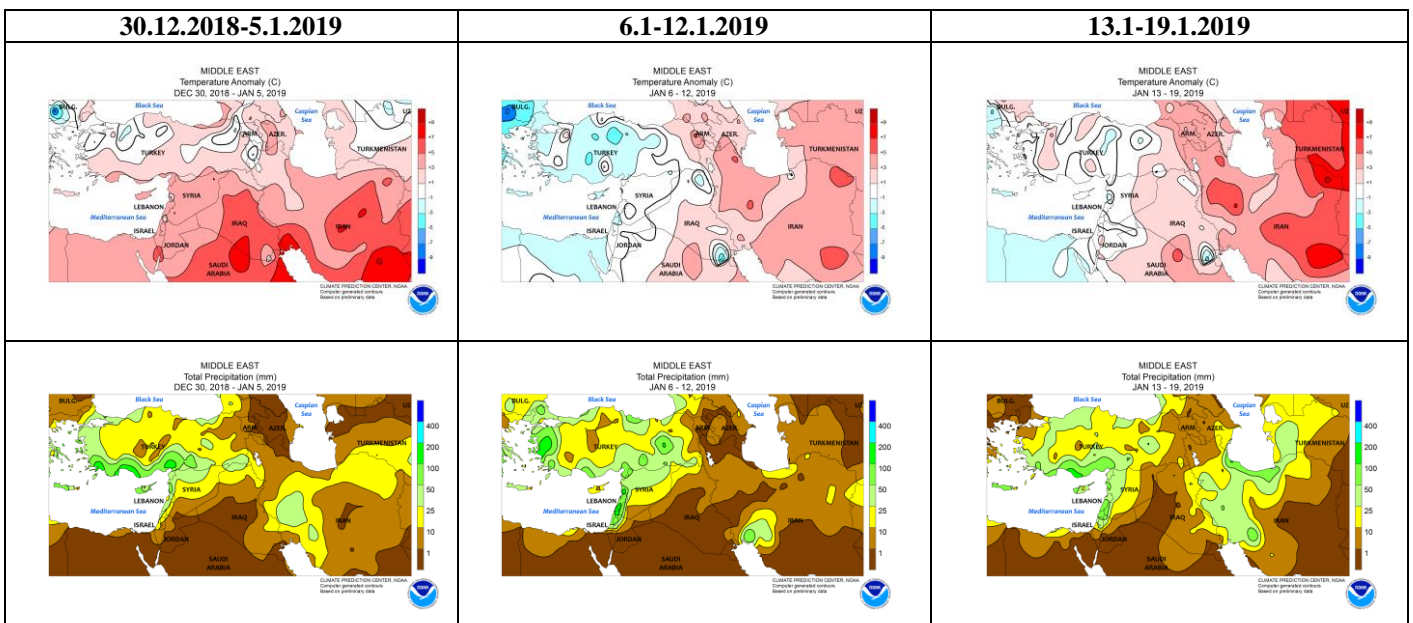


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

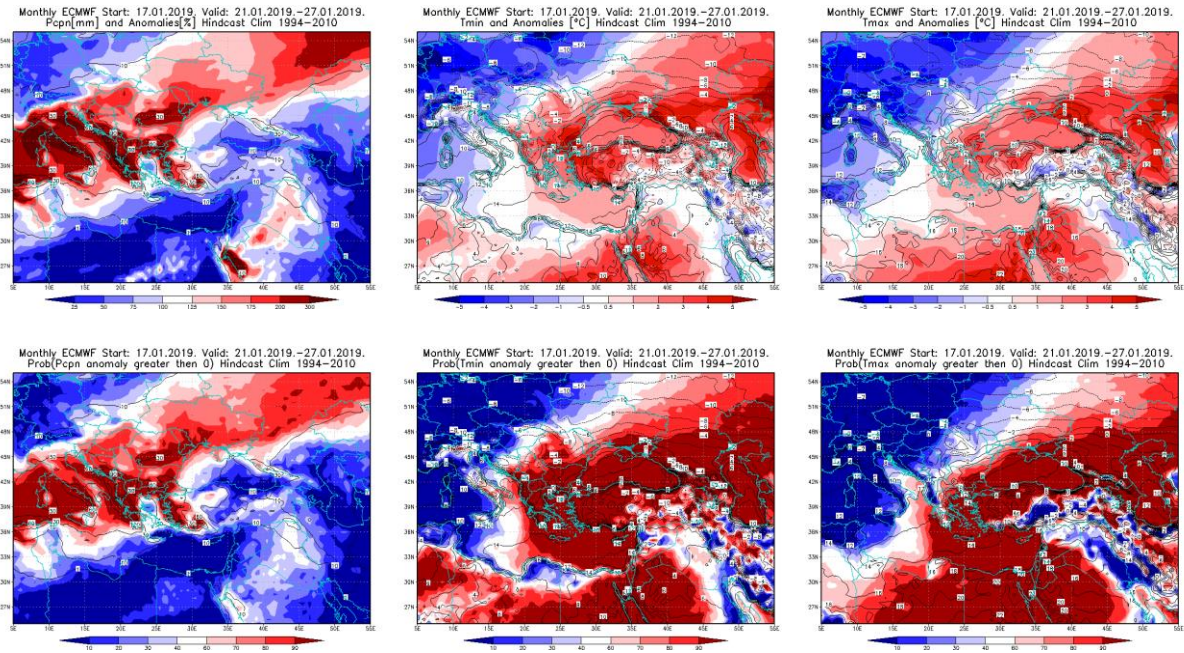


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 21.1 - 27.1.2019 period

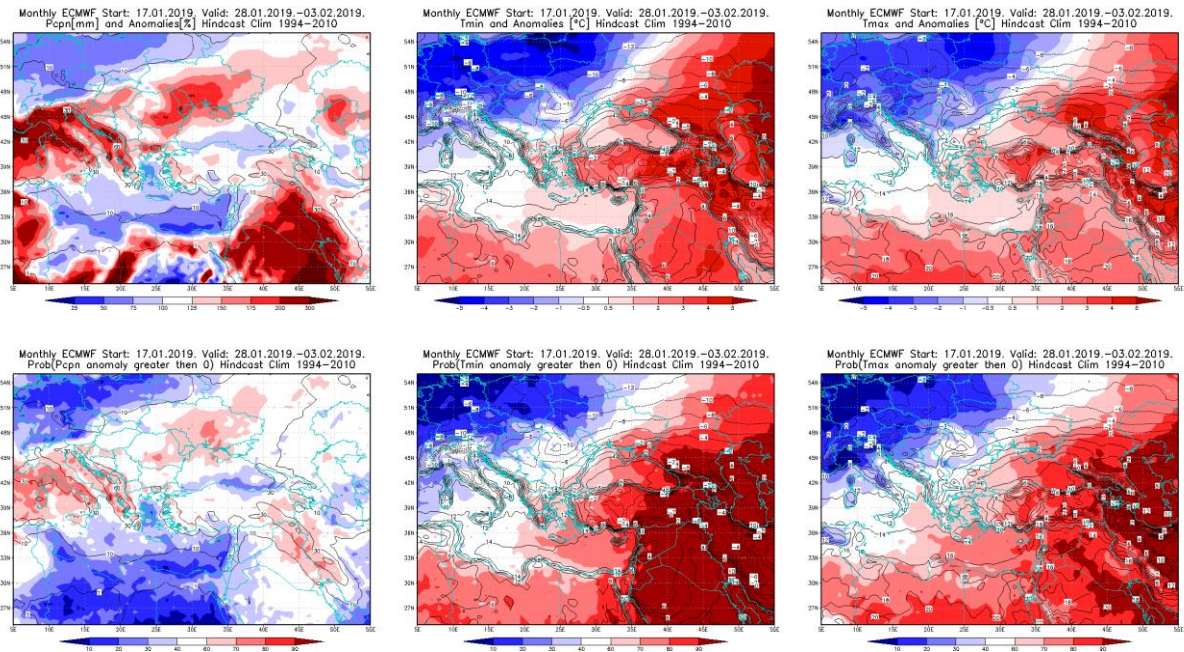


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 28.1 – 3.2.2019 period

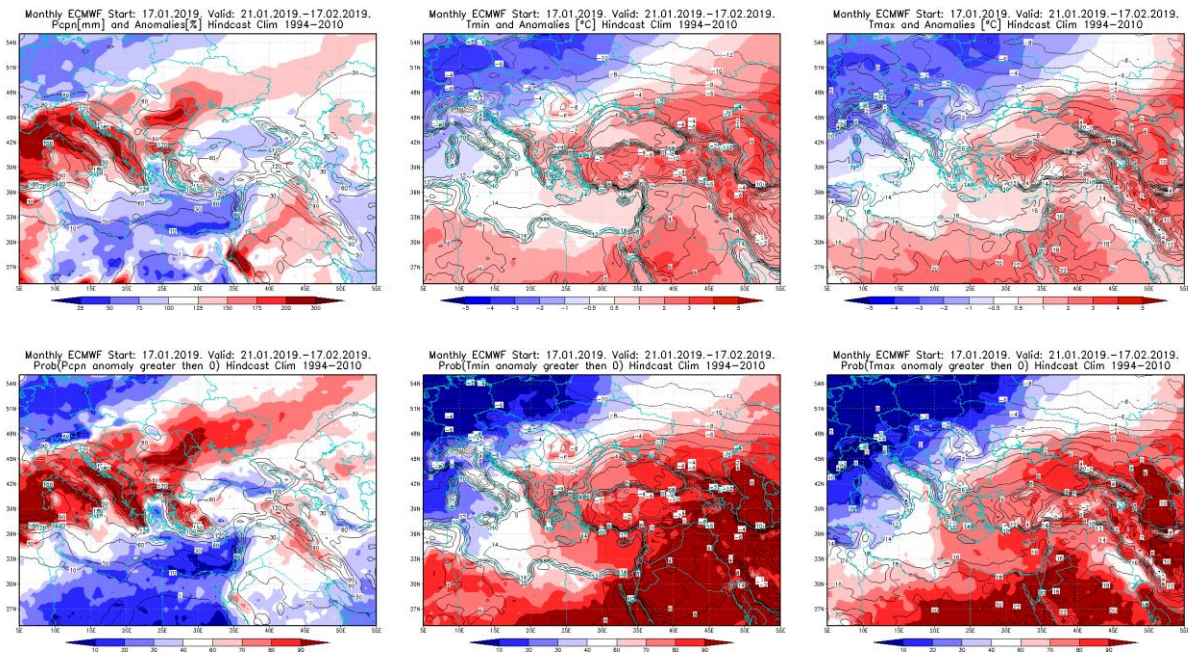


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 21.1 – 17.2.2019 period

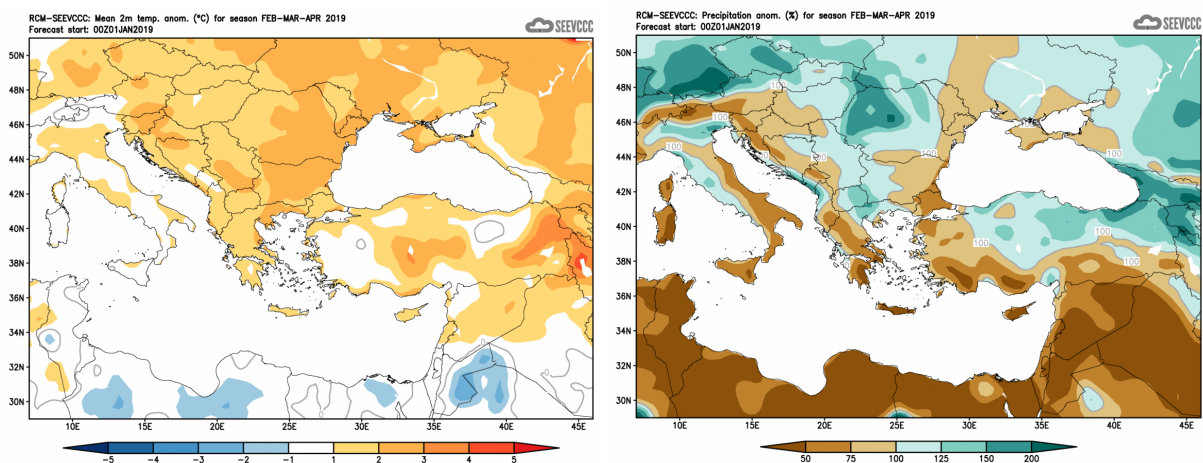


Figure 6. Mean seasonal temperature and precipitation anomaly for the season FMA (seasonal outlook from RCM – SEEVCCC)

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/>)