Climate Watch (Serial No.: 20181015 – 00)

Initial/Updated/Final

Topic**: precipitation**
Organization issuing the statement: SEEVCCC

Issued/ Amended / Cancelled: 15-10-2018 12:00 P.M.

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Valid from – to: 15-10-2018 – 31-01-2019 Next amendment: 22-10-2018

Region of concern: **SEE region**

„In the period from October 22nd to 28th 2018, ECMWF monthly forecast predicts precipitation surplus in most of the Balkans, along the coasts of Adriatic and Ionian Sea and in western and southern Turkey with around 70% probability for exceeding upper tercile."

Monitoring

In the period from October 7th to 13th 2018, above normal air temperature was registered in almost the entire region, with anomaly reaching up to +5°C. Precipitation totals were below 10 mm in most of the region. Parts of southern Croatia, Bosnia and Herzegovina and western Turkey received up to 100 mm of precipitation.

Outlook

Within the first week (October 15th to 21st 2018), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +4°C in almost the entire SEE region, with up to 90% probability for exceeding upper tercile. Precipitation surplus is expected in Cyprus, southern Greece and Aegean Sea, as well as southern Turkey, with around 70% probability for exceeding upper tercile. Precipitation deficit is expected in central and eastern parts of the Balkans. Probability for exceeding lower tercile is up to 70%.

During the second week (October 22nd to 28th 2018), above normal mean weekly air temperature is expected, with anomaly up to +3°C in central and eastern part of the Balkans, most part of Turkey and South Caucasus. Probability for exceeding upper tercile is up to 80%. Precipitation surplus is expected in most of the Balkans, along the coasts of Adriatic and Ionian Sea and in western and southern Turkey with around 70% probability for exceeding upper tercile.

In the period from October 15th to November 11th 2018, above normal mean monthly air temperature is expected in the SEE region, with anomaly reaching up to +3°C. Probability for exceeding upper tercile is around 80%. Precipitation surplus is expected along the coasts of Adriatic and Ionian Sea, in central parts of Romania, southern Turkey and Cyprus. Probability for exceeding upper tercile is around 70%.

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

Update

An updated statement will be issued on 22-10-2018

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

ANNEX

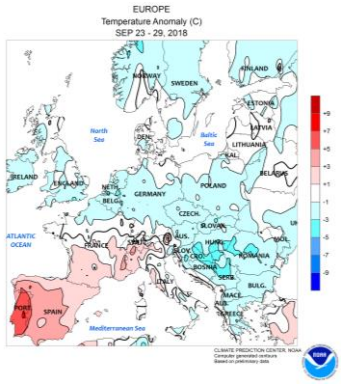
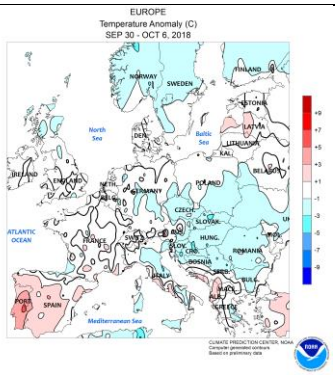
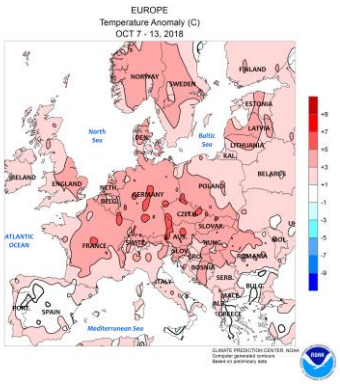
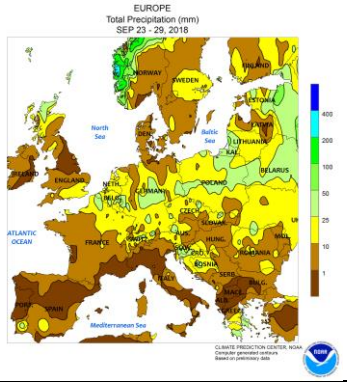
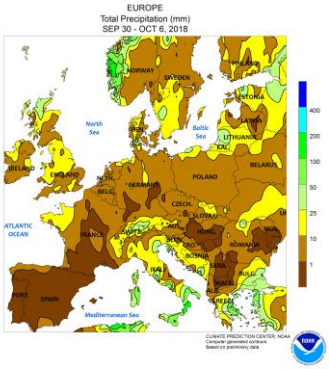
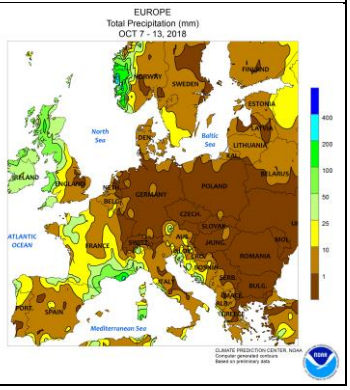
23.9-29.9.2018	30.9-6.10.2018	7.10-13.10.2018
		
		

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

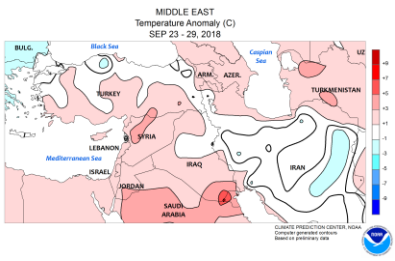
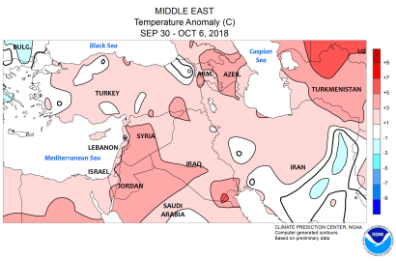
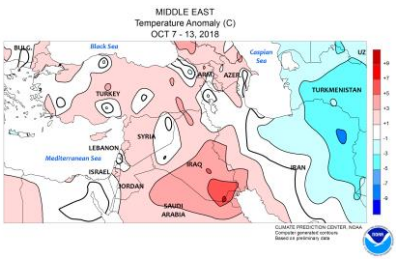
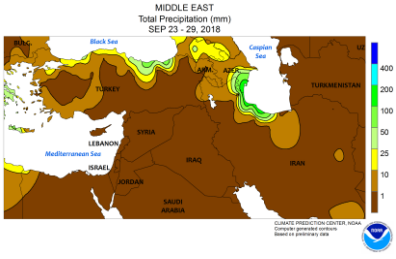
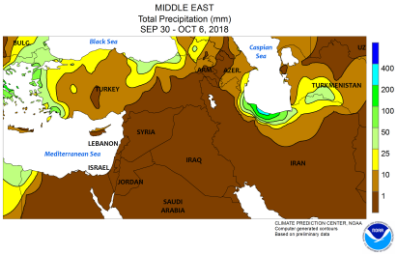
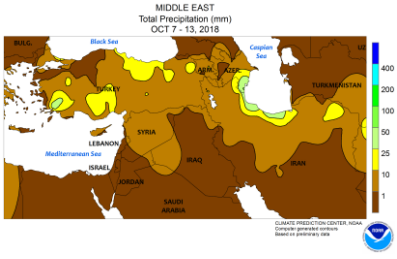
23.9-29.9.2018	30.9-6.10.2018	7.10-13.10.2018
		
		

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

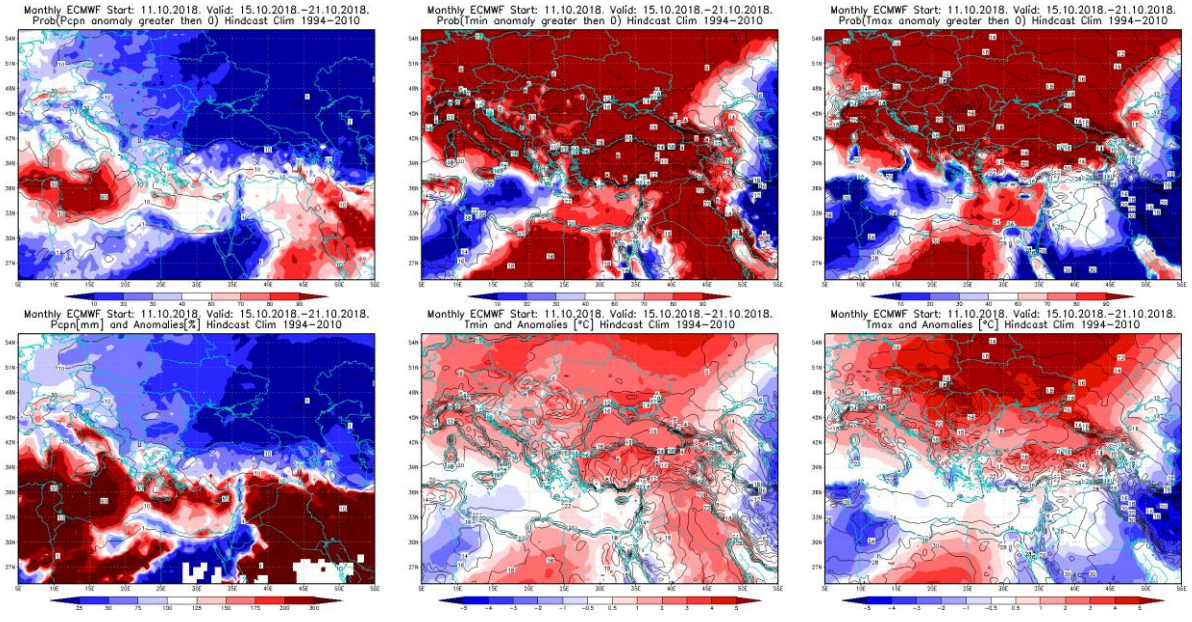


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 15 - 21.10.2018 period

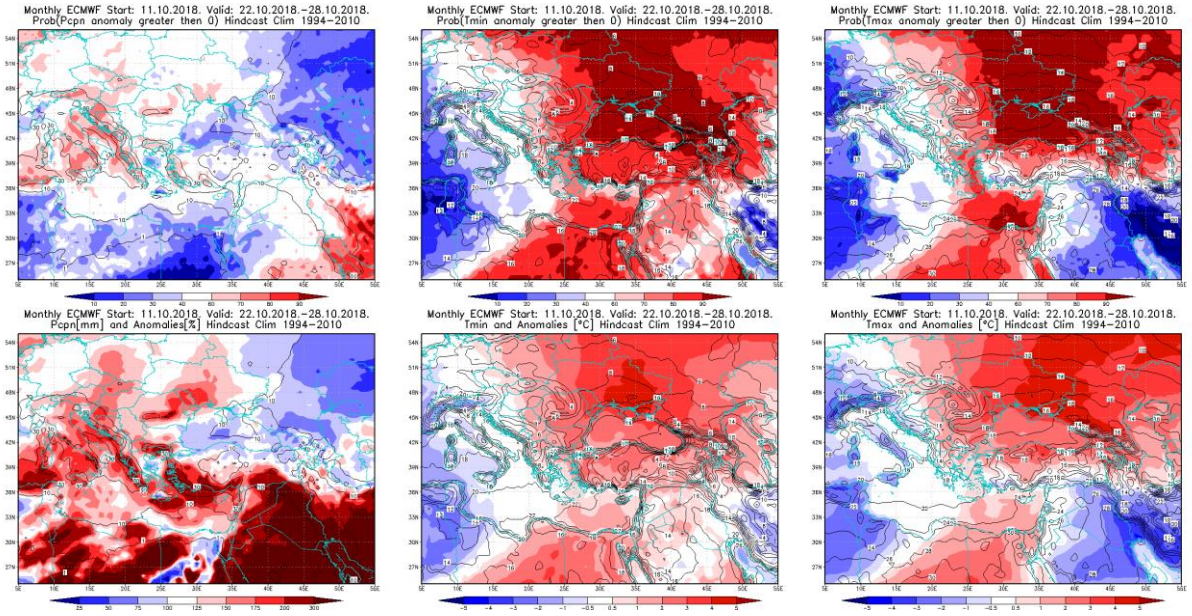


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 22 – 28.10.2018 period

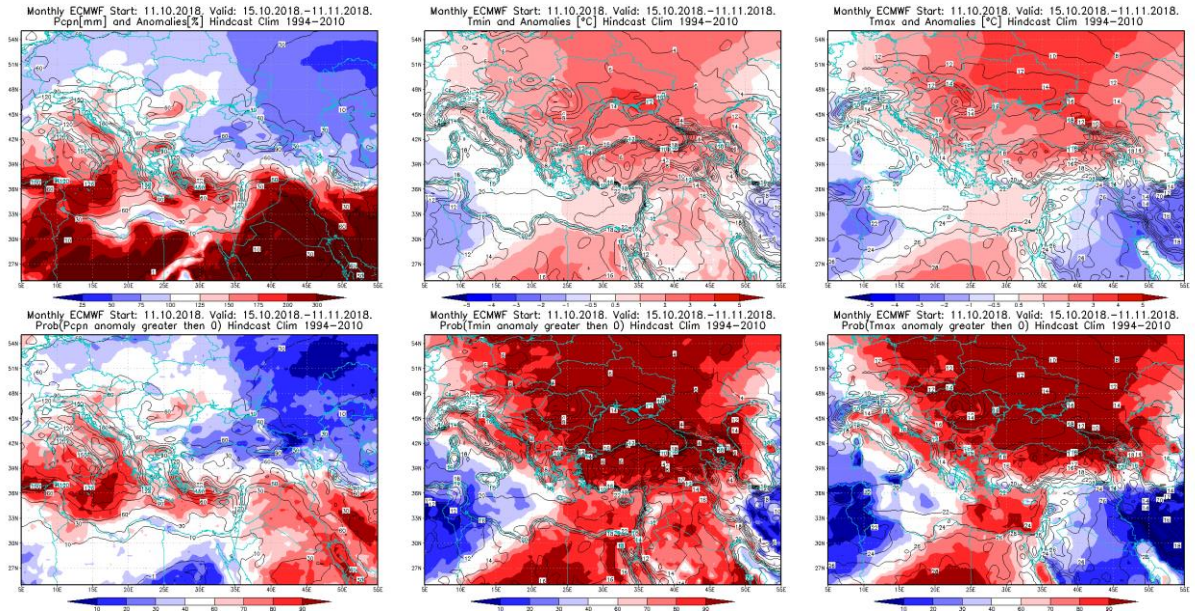


Figure 5. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 15.10 – 11.11.2018 period

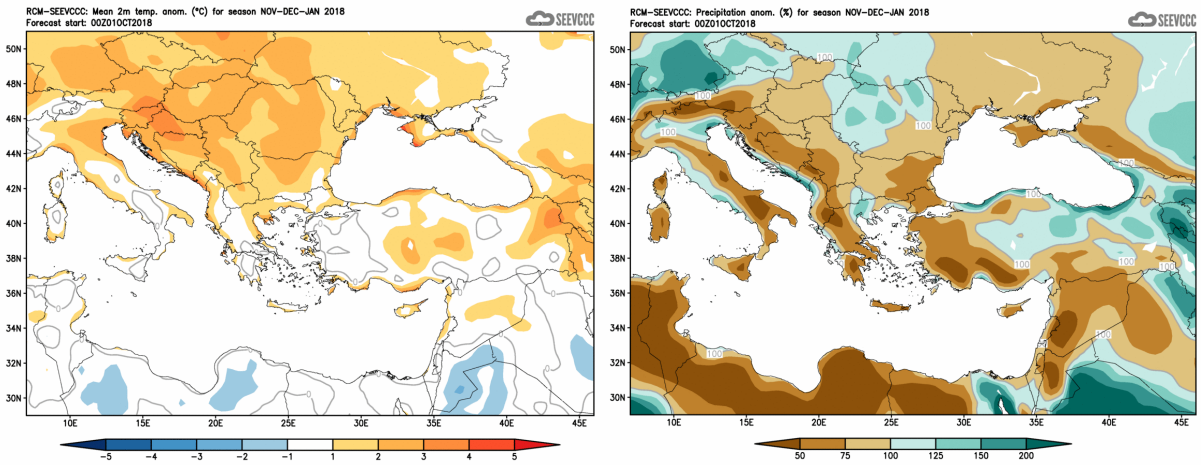


Figure 6. Mean seasonal temperature and precipitation anomaly for the season NDJ (seasonal outlook from RCM – SEEVCCC)

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/)