

Climate Watch (Serial No.: 20140922 – 00)

Initial/Updated/Final

Topic:		Warning:	0	No particular awareness
Organization issuing the statement:	SEEVCCC		1	Potentially dangerous
			2	Dangerous
Issued/ Amended / Cancelled	22-9-2014 12:00 P.M.		3	Very dangerous
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Valid from – to:	22-9 – 5-10-2014	Next amendment:	29-9-2014	

Region of concern: South-Eastern Europe

„During the next week, precipitation surplus is expected in most part of the Balkans, part of northern Turkey and south Caucasus. Probability for exceeding upper tercile is up to 80%.“

Monitoring

In the period from September 14th to 20th, 2014 above normal air temperature¹, with anomaly from +1°C up to +3°C was registered in northern Croatia and northernmost of Turkey, while temperature up to +5°C was registered in part of northern Romania. Weekly precipitation sums, ranging from 50 mm up to 200 mm were registered in Romania, northeastern Serbia, western Bulgaria, northern and part of southern Turkey. In rest of the region precipitation amount reached up to 50 mm.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (September 22nd to 28th, 2014), ECMWF monthly forecast predicts below normal mean weekly air temperature, with anomaly up to -3°C, over central Balkans, northeastern Turkey and west part of south Caucasus. Probability for exceeding lower tercile is up to 80%. Precipitation surplus is expected in most part of the Balkans, part of northern Turkey and south Caucasus. Probability for exceeding upper tercile is up to 80%.

During the second week (September 29th to October 5th, 2014), below normal mean weekly air temperature, with anomaly up to -2°C, is forecast for Romania, Bulgaria, FYR of Macedonia, northern Greece, northern Turkey and south Caucasus. Probability for exceeding lower tercile is up to 60%. Precipitation deficit is expected over most of Balkans and southeastern Turkey. Probability is around 60%.

In the period from September 22nd to October 19th 2014, below normal mean weekly air temperature, with anomaly up to -1°C, is forecast for central Balkans and northern Turkey. Probability is around 60%. Average precipitation is expected in the entire SEE region.

During the following three months (October, November and December) SEEVCCC seasonal forecast predicts above average air temperature over northern Balkans. Precipitation deficit is expected in most part of the region. Precipitation surplus is expected over the Carpathians, south Caucasus and northernmost Turkey.

Update

An updated statement will be issued on 29-9-2014.

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

ANNEX

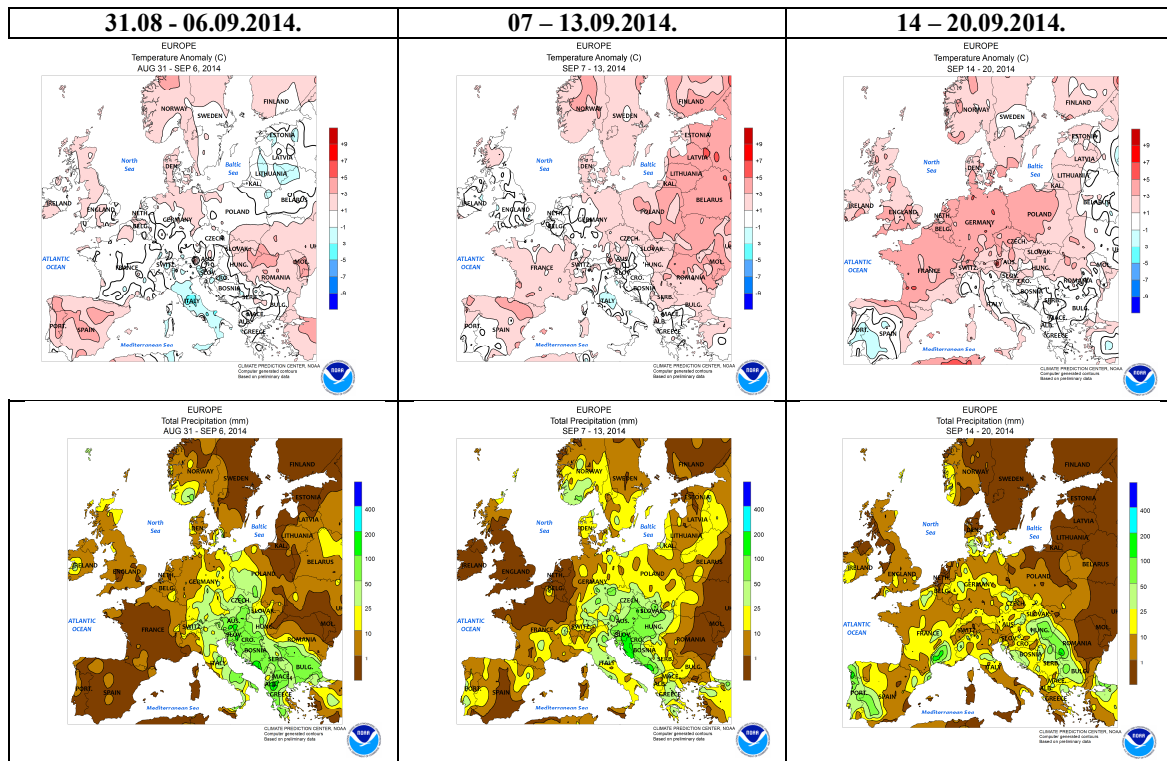


Figure 1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

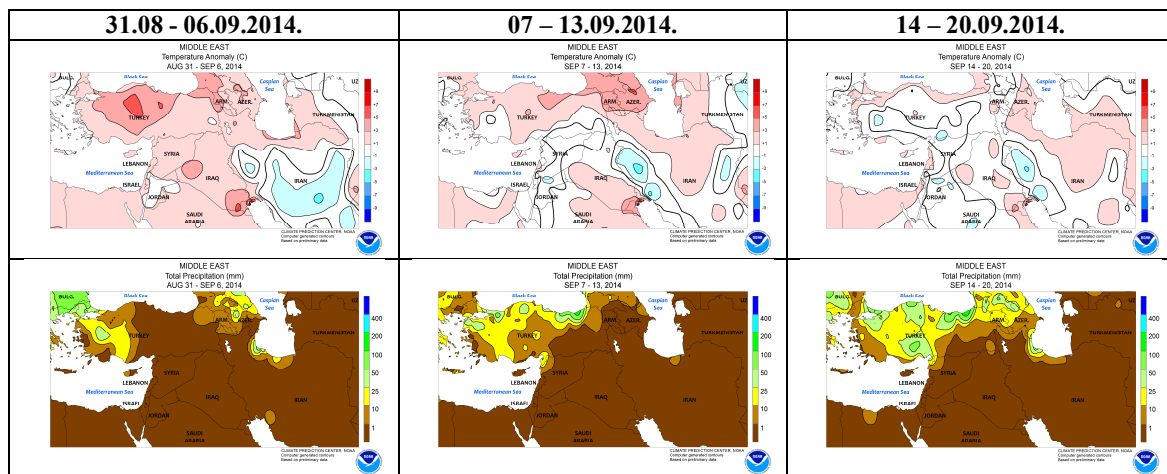


Figure 2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

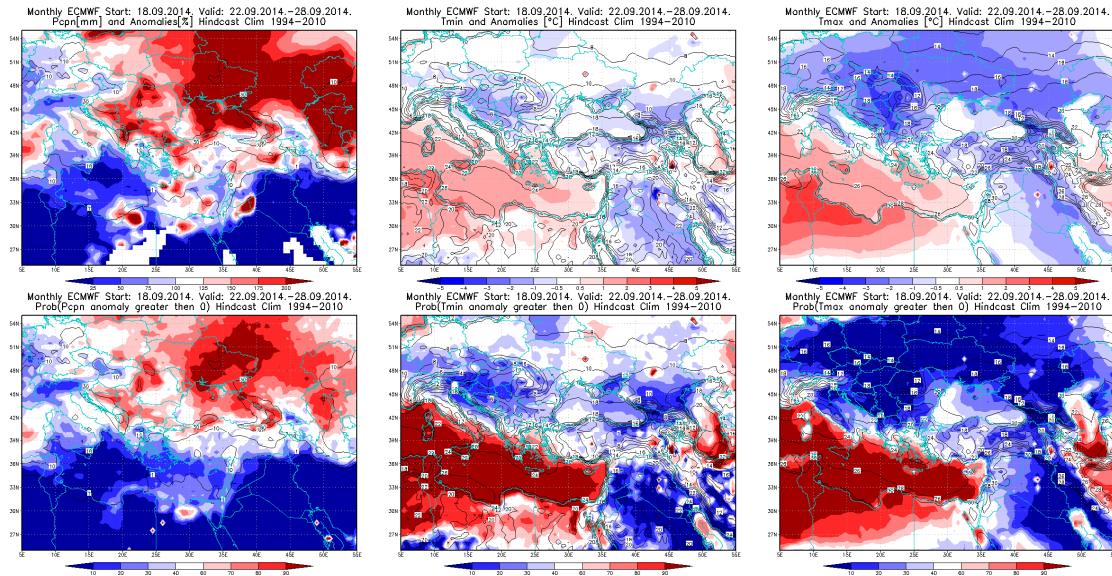


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 22 – 28.9.2014. period

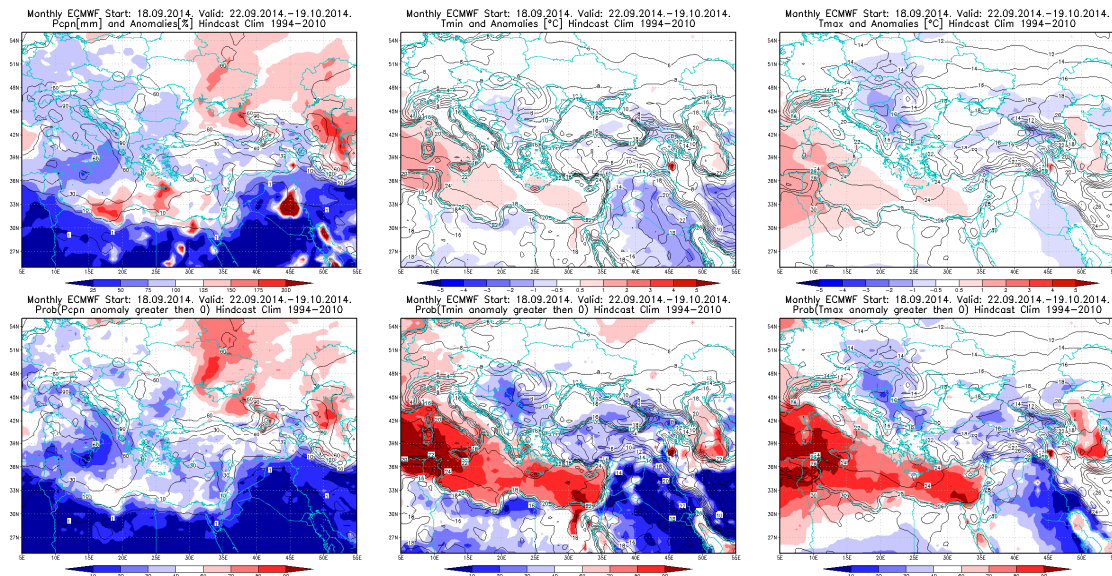


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 22.9 – 19.10.2014. period

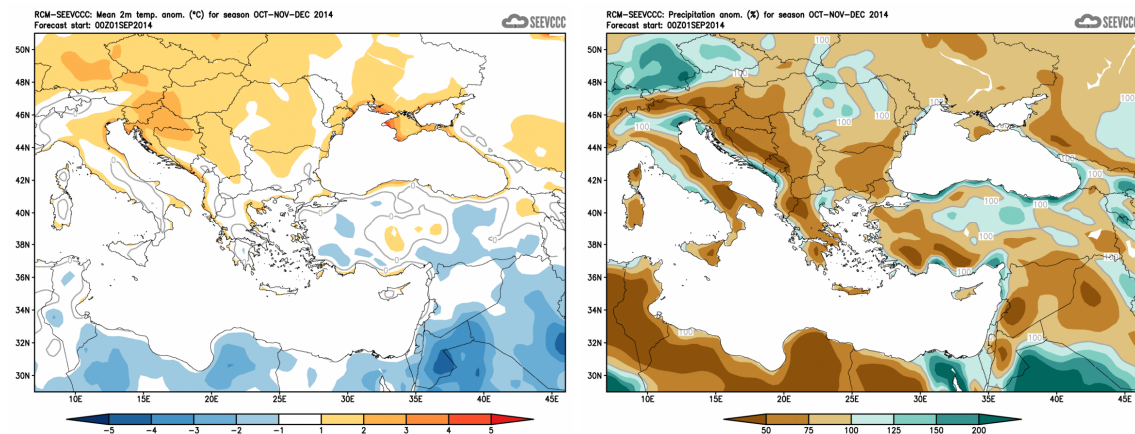


Figure 5. Mean seasonal temperature and precipitation anomaly for the season OND (seasonal outlook from RCM – SEEVCCC)

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/>)