

Climate Watch (Serial No.: 20140901 – 00)

Initial/Updated/Final

Topic:	Warning:	0	No particular awareness
Organization issuing the statement:	SEEVCCC	1	Potentially dangerous
		2	Dangerous
Issued/ Amended / Cancelled	1-9-2014 12:00 P.M.	3	Very dangerous
Contact:	E-mail: cws-seevccc@hidmet.gov.rs Phone: +381112066925 Fax: +381112066929		
Valid from – to:	1-9 – 14-9-2014	Next amendment: 8-9-2014	
Region of concern: South-Eastern Europe			

„During the next week, above normal mean weekly air temperature, with anomaly up to +4°C is forecast for Carpathians, Turkey and Caucasus region, with up to 90% probability for exceeding lower upper tercile. Precipitation surplus is expected in most of the Balkans (west, central and south), with up to 90% probability for exceeding upper tercile.”

Monitoring

In the period from August 24th to 30th, 2014 below normal air temperature¹, with anomaly up to -3°C was registered in northern Balkans, while in southern Balkans and the rest of the region above normal air temperature, with anomaly up to +9°C was observed. Weekly precipitation sums, reaching up to 100 mm were registered in northwestern Balkans, Carpathians and along the northeastern Black Sea coast of Turkey.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (September 1st to 7th, 2014), ECMWF monthly forecast predicts above normal mean weekly air temperature, with anomaly up to +4°C in Carpathians, Turkey and Caucasus region, with probability for exceeding lower upper tercile up to 90%. Precipitation surplus is expected in most of the Balkans (west, central and south), with probability up to 90% for exceeding upper tercile.

During the second week (September 8th to 14th, 2014), below normal mean weekly air temperature, with anomaly up to -1°C is predicted for some northern and central parts of the Balkans, while above normal mean weekly temperature, with anomaly up to +1°C is expected in central Turkey, nevertheless with low probability in both cases. Precipitation surplus is expected in central Balkans, southern and eastern Turkey, Cyprus, eastern Caucasus and Israel with around 60% probability for exceeding upper tercile.

In the period from September 1st to 28th 2014, below normal mean monthly air temperature, with anomaly around -1°C is forecast for northern and central parts of the Balkans, with probability for exceeding lower tercile up to 60%. Above normal mean monthly temperature, with anomaly up to +2°C is expected in most part of Turkey and South Caucasus. Probability for exceeding upper tercile is around 70%. Precipitation surplus is expected in central Balkans, Cyprus, Caucasus and East Mediterranean regions with up to 60% probability for exceeding upper tercile.

During the following three months (September, October and November) SEEVCCC seasonal forecast predicts average air temperature over most part of the Balkans, while below normal air temperature is expected over southern Turkey. Precipitation deficit is expected in most part of the region. Precipitation surplus is expected over the Carpathians, South Caucasus and in northernmost of Turkey.

Update

An updated statement will be issued on 8-9-2014.

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

ANNEX

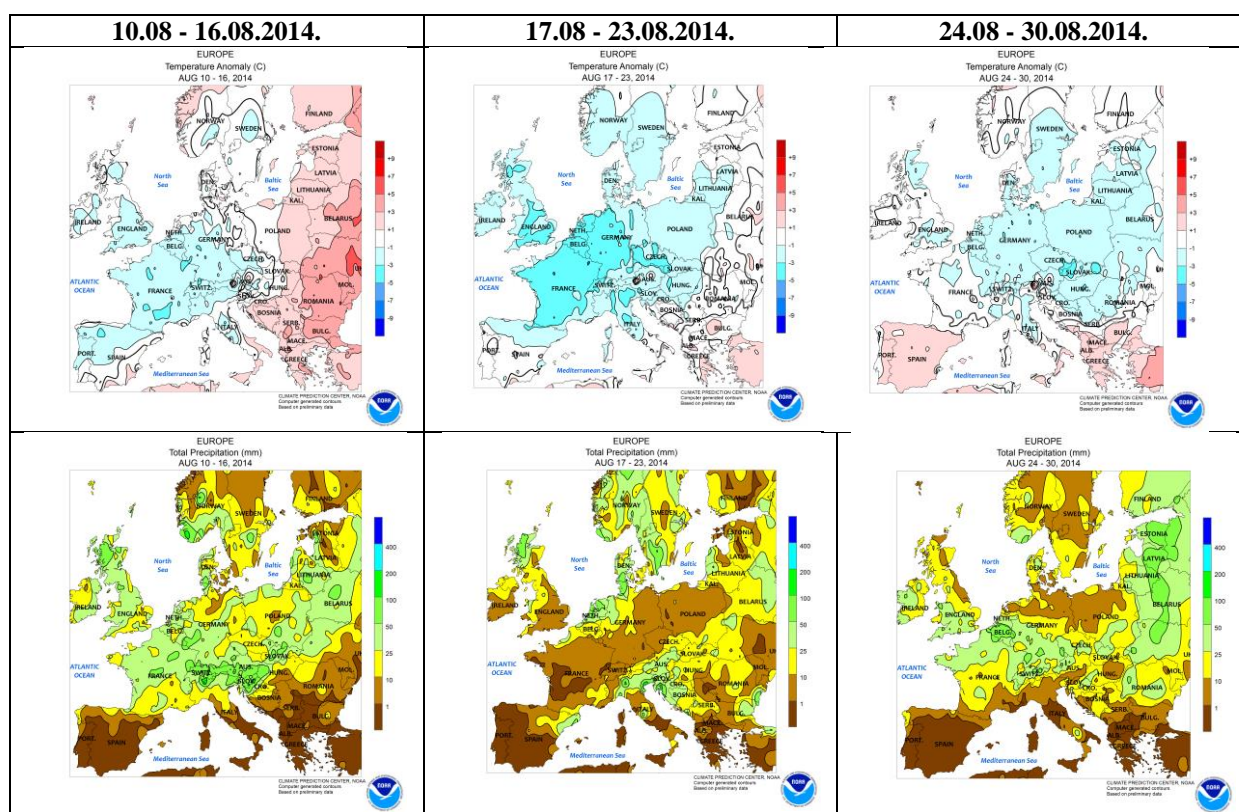


Figure1. Temperature anomaly and total precipitation for recent weeks (source: Climate Prediction Center, USA)

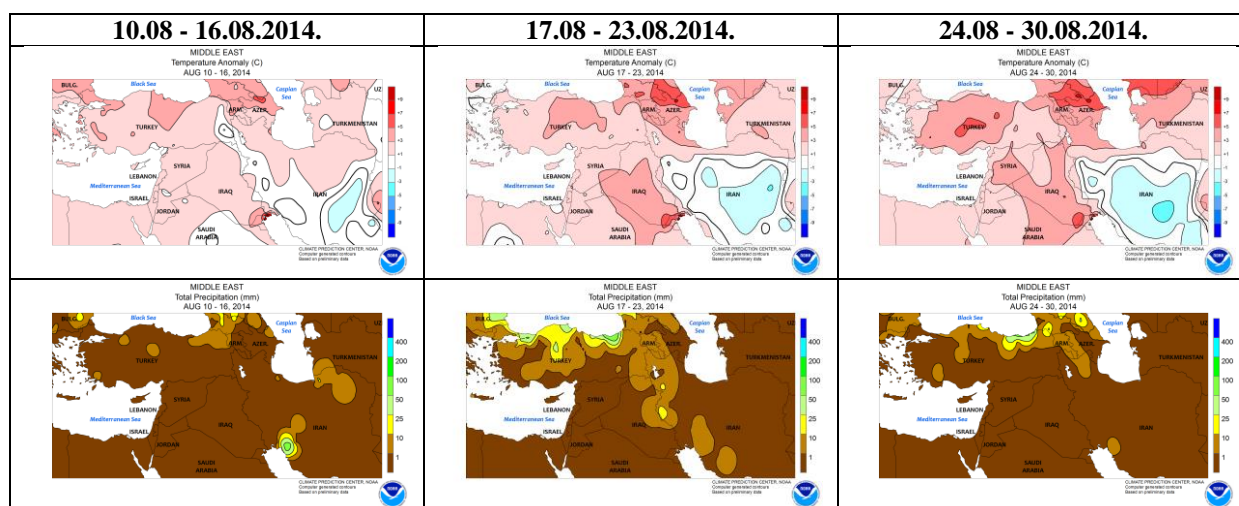


Figure2. Temperature anomaly and total precipitation for recent weeks for Middle East (source: Climate Prediction Center, USA)

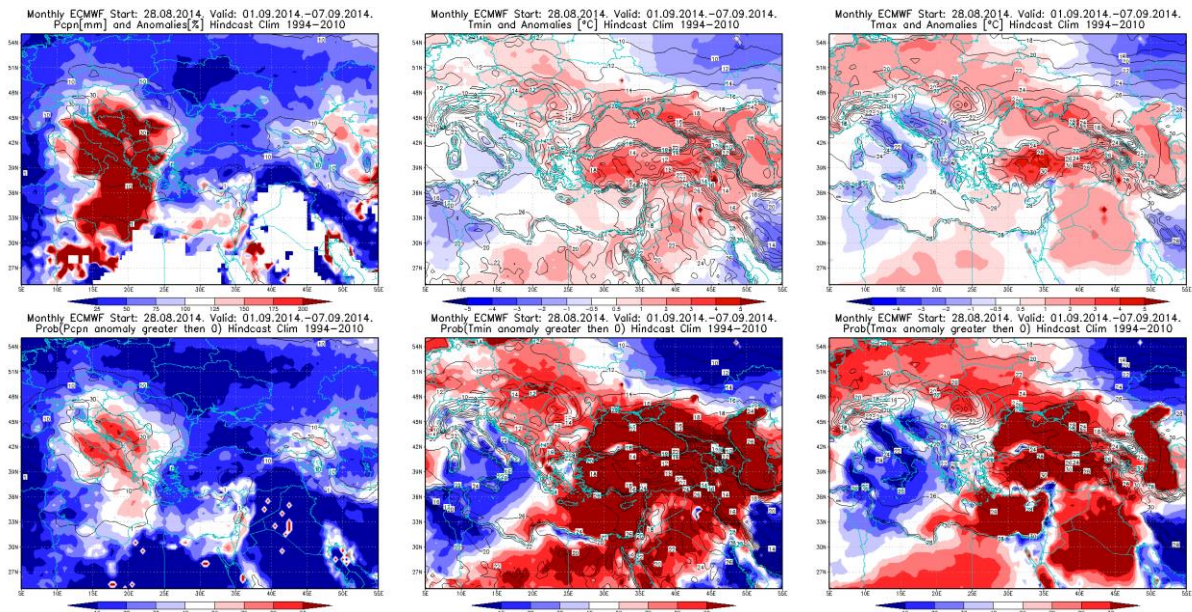


Figure3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 1 – 7.9.2014. period

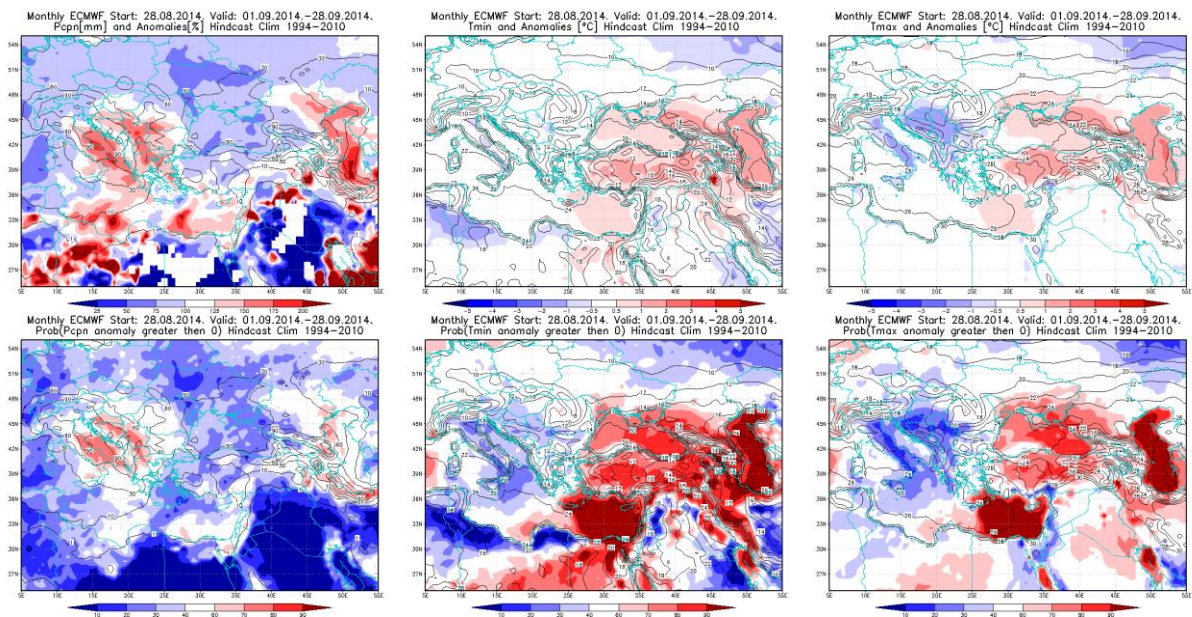


Figure4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus/deficit and positive minimum and maximum temperature anomalies (lower row) for the 1 – 28.9.2014. period

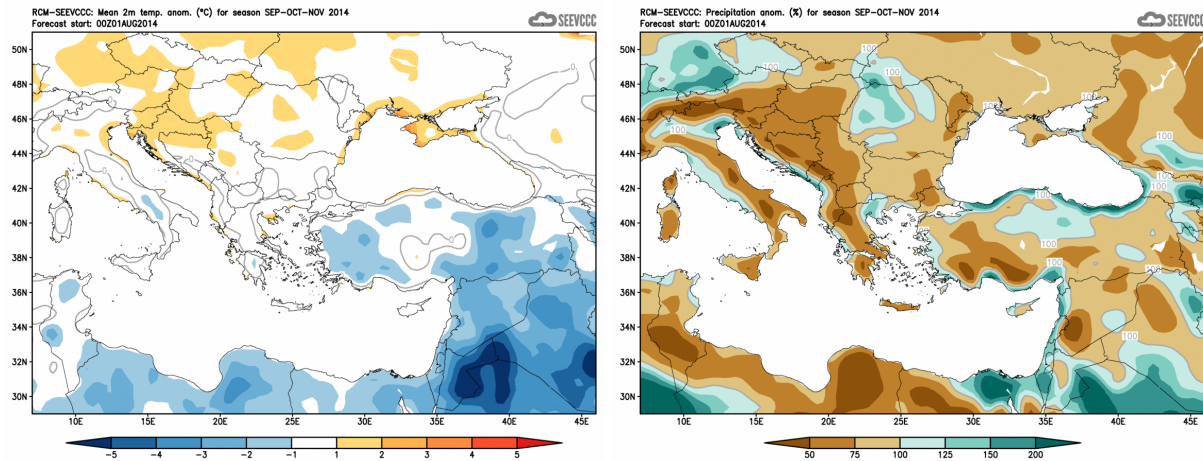


Figure5. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook from RCM – SEEVCCC)

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/>)