Climate Watch (Serial No.: 20131007 – 00)

Initial/Updated/Final

Topic:	Warning:	0	No particular awareness
Organization issuing the statement: SEEVCCC		1	Potentially dangerous
		2	Dangerous
Issued/ Amended / Cancelled: 7-10-2013 12:00 P.M.		3	Very dangerous

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Valid from – to: 7-10-2013 – 20-10-2013 Next amendment: 14-10-2013

Region of concern: South-Eastern Europe

„During next month, most part of SEE region is expected to experience below normal temperature, with anomaly from -1°C to -3°C, besides western Balkans where average temperature is forecasted. The probability for this event is around 70%. Average amount of precipitation is expected in the costal part of Croatia, southern part of Bosnia and Herzegovina, western part of Montenegro, Albania, in most part of Greece, Turkey and South Caucasus. Precipitation deficit is expected in the rest of SEE region, with probability around 60%. "

Monitoring

In the period from September 29th to October 5th, temperature above normal 1981-2010[1], with anomaly up to +3°C, was recorded in south part of South Caucasus. In rest of SEE region below normal temperature with anomaly up to -9°C was recorded. Precipitation from 25 up to 100 mm was observed in Croatia, Bosnia and Herzegovina, Montenegro, most part of Serbia and Albania, northern part of Bulgaria, costal part of Turkey and part of south Caucasus, while in eastern part of Romania 200 mm of precipitation was observed.

[1] Reference climatological period is the 1981-2010 period

Outlook

Within the first week (October 07th to 13th, 2013), ECMWF monthly forecast predicts below normal temperature, with anomaly from -1°C up to -5°C, across most part of SEE region. The probability for exceeding lower tercile is around 80%. The southern part of Croatia and Bosnia and Herzegovina as well as most part of Montenegro are expected to experience above normal temperature with anomaly up to 1°C and probability up to 70%. In most of the region precipitation deficit is expected, especially in eastern Balkans and south-western Turkey, where probability for exceeding lower tercile is around 80%.

During the second week (October 14th to 20th, 2013) the entire SEE region is expected to experience below normal temperature, with anomaly up to -4°C. The probability for exceeding lower tercile is around 80%. In the northern part of Croatia, most part of Turkey and South Caucasus normal to dry weather conditions are expected. In the rest of SEE region, precipitation deficit is expected with probability around 70%.

In the period from October 07th to November 03th, below normal temperature, with anomaly from -1°C up to -3°C, is expected in most part of SEE region, except western Balkans where average temperature is forecasted. The probability for this event is around 70%. Average amount of precipitation is expected in the costal part of Croatia, southern part of Bosnia and Herzegovina, western part of Montenegro, Albania, in most part of Greece, Turkey and South Caucasus. Precipitation deficit is expected in the rest of SEE region, with probability around 60%.

During the following three months (October, November, December) SEEVCCC seasonal forecast predicts slightly above normal temperature in most of western Balkans and temperature slightly below normal in some parts of Turkey. Normal to dry weather conditions are expected in most of SEE region, with the exception of the coastal regions where precipitation surplus is forecasted.

Update

An updated statement will be issued on 14-10-2013.

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

ANNEX

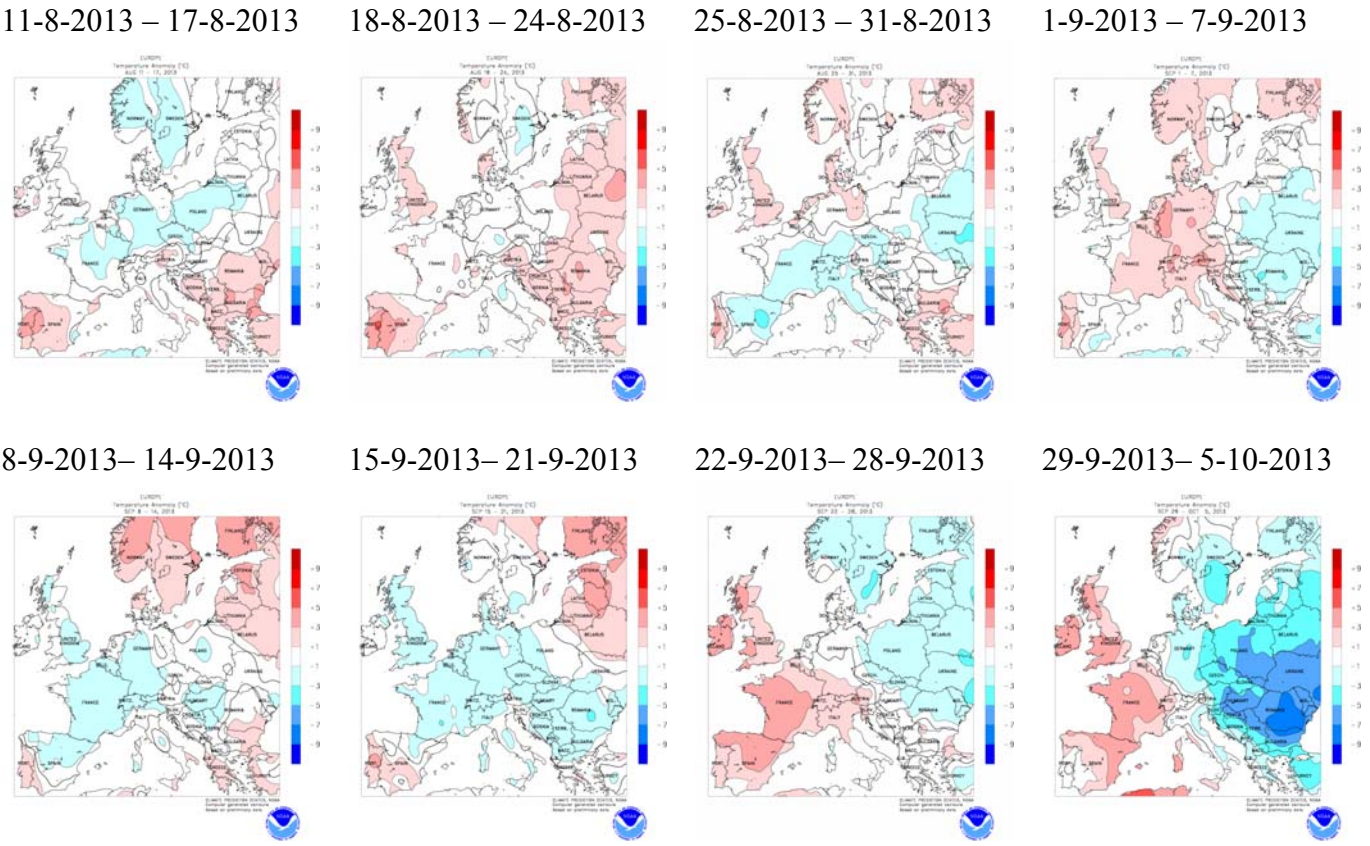

Figure 1. Temperature anomaly for recent weeks (source: Climate Predication Center, USA)

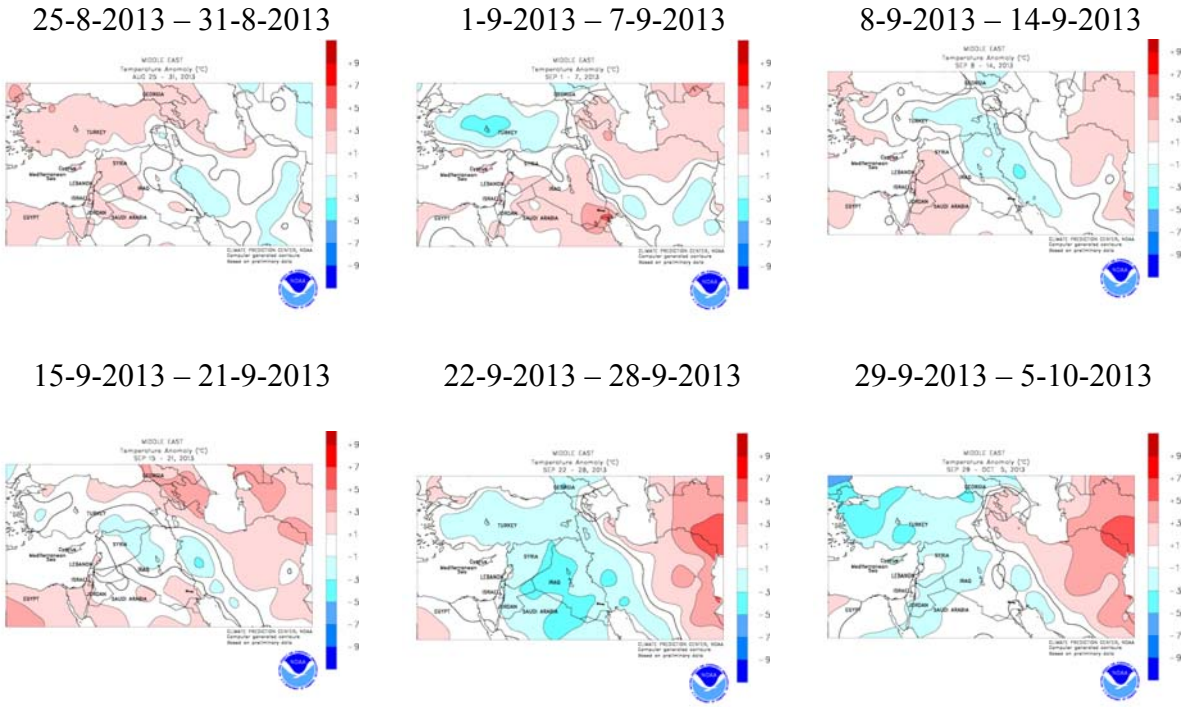

Figure2. Temperature anomaly for recent weeks for Middle East (source: Climate Predication Center, USA)

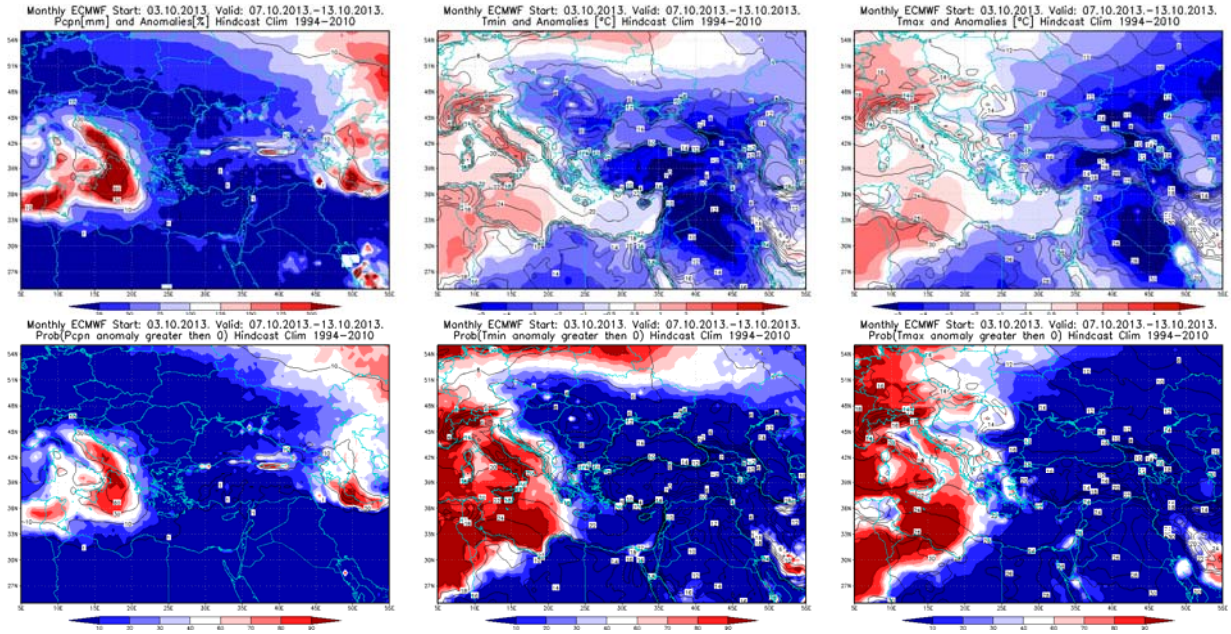

Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 7.10 – 13.10.2013. period

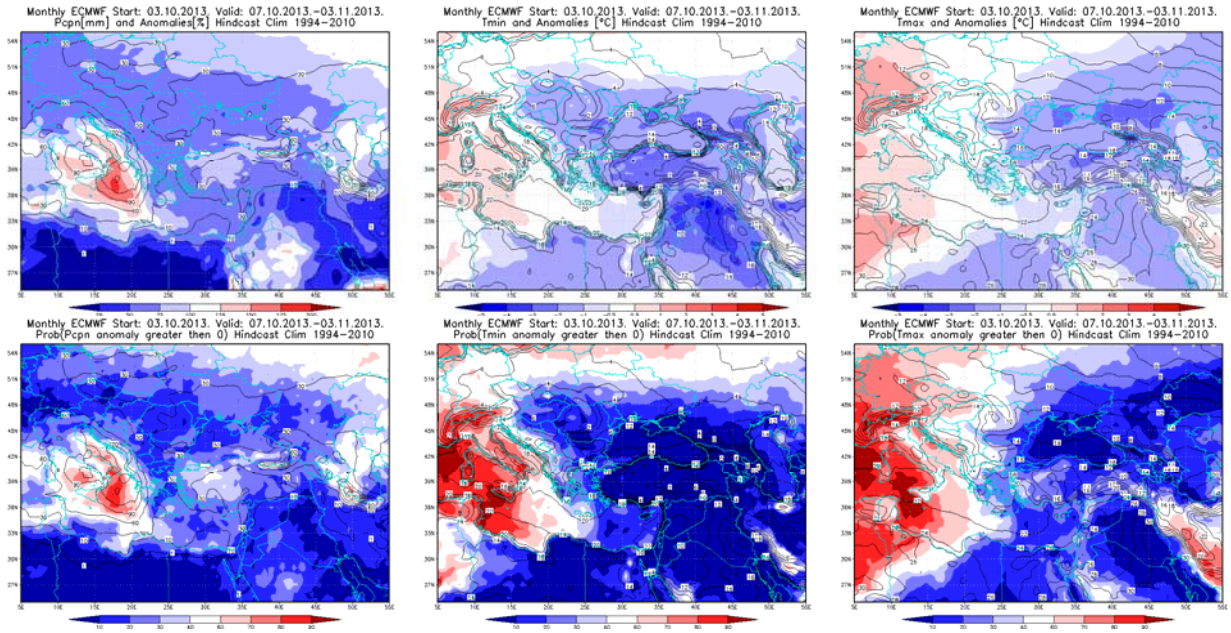

Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 7.10 – 3.11.2013. period

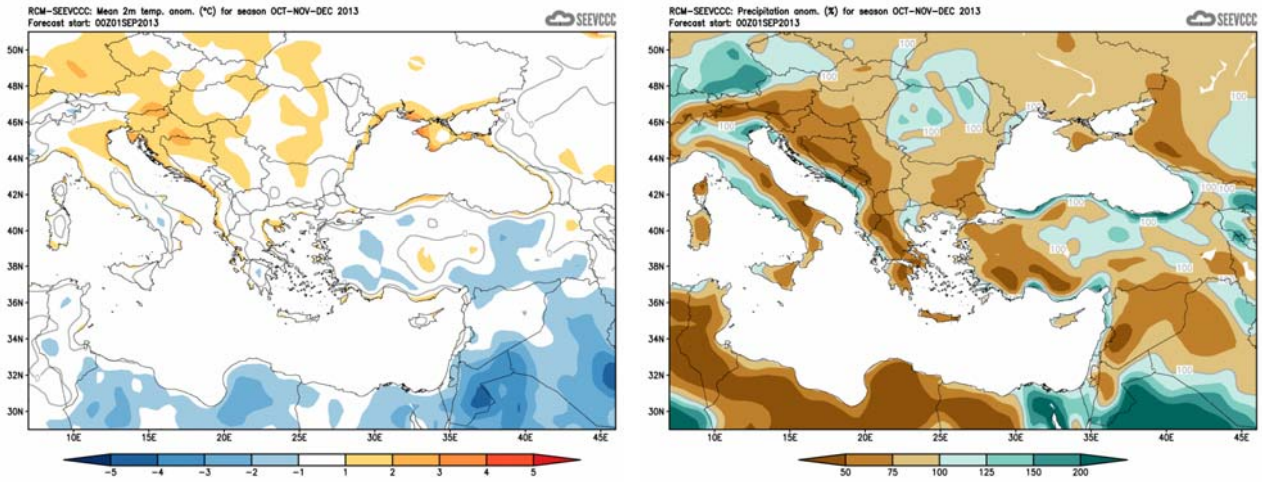

Figure 5. Mean seasonal temperature and precipitation anomaly for the season OND (seasonal outlook for RCM – SEEVCCC)

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/)