

Climate Watch (Serial No.: 20130902 – 00)

Initial/Updated/Final

| | | | |
|-------------------------------------|-------------------------------------------------------------------------------|---|-------------------------|
| Topic: | Warning: | 0 | No particular awareness |
| Organization issuing the statement: | SEEVCCC | 1 | Potentially dangerous |
| | | 2 | Dangerous |
| Issued/ Amended / Cancelled | 02-09-2013 12:00 P.M. | 3 | Very dangerous |
| Contact: | E-mail: cws-seevccc@hidmet.gov.rs Phone: +38112066925 Fax: +38112066929 | | |
| Valid from – to: | 02-09-2013 – 15-09-2013 Next amendment: 09-09-2013 | | |

Region of concern: South-Eastern Europe

„Within the first week, ECMWF monthly forecast predicts with less confidence, above normal temperature with anomaly up to +1°C in costal part of Croatia. Temperature below normal, with anomaly up to -3°C, is expected in Moldova, most part of Romania, northeastern Bulgaria, Turkey and South Caucasus. The probability for this event is up to 90%. In most part of SEE region normal to dry weather conditions are expected with probability up to 90%. Precipitation surplus is expected in South Caucasus with probability up to 70%.“

Monitoring

In the period from August 25th to 31st temperature above normal 1981-2010¹, with anomaly from +1 up to +5°C, was recorded in Bulgaria, southern Albania, Greece, Turkey and South Caucasus. Temperature below normal with anomaly from -1 up to -3°C was recorded in Moldova. Precipitation from 25 up to 100 mm was registered in most part of Moldova, Romania and Croatia, in southern Bosnia and Herzegovina, Montenegro and southwestern Serbia. In rest of the region no significant precipitation was recorded.

Water level on rivers Danube, Sava, Tisza and Drina held steady.

¹ Reference climatological period is the 1981-2010 period

Outlook

Within the first week (September 02nd to 08th, 2013), ECMWF monthly forecast predicts, with less confidence, above normal temperature with anomaly up to +1°C in coastal part of Croatia. Temperature below normal, with anomaly up to -3°C, is expected in Moldova, most part of Romania, northeastern Bulgaria, Turkey and South Caucasus. The probability for this event is up to 90%. In most part of SEE region normal to dry weather conditions are expected with probability up to 90%. Precipitation surplus is expected in South Caucasus with probability up to 70%. Water levels on the rivers Sava, Tisza and Danube will hold steady.

During the second week (September 09th to 15th, 2013) in most part of SEE region temperature above normal, with anomaly around +2°C is expected. The probability for this event is around 80%. South Caucasus will experience below normal temperature, with anomaly up to -1°C. The probability for this event is around 70%. Normal to dry weather conditions are expected in most part of SEE region, with probability up to 80%. With less confidence precipitation surplus is expected in southern part of South Caucasus and southeastern Turkey. Water levels on rivers Danube, Sava and Tisza will hold steady.

In the period from September 02nd to 29th, most part of SEE region is expected to experience temperature slightly above normal, with anomaly around +1°C, except from south Caucasus, most part of Turkey and Romania. The probability for this event is around 80%. With less confidence, precipitation surplus is expected in South Caucasus and southeastern Turkey. In the rest of SEE region normal to dry weather conditions are expected with probability up to 80%.

During the following three months (September, October, November) SEEVCCC seasonal forecast predicts average temperatures in most of Balkans. Temperature below normal is expected in most part of Turkey and south Caucasus. Normal to dry weather conditions are expected in most of SEE region, with the exception of the coastal regions where precipitation surplus is expected.

Update

An updated statement will be issued on 09-09-2013.

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

ANNEX

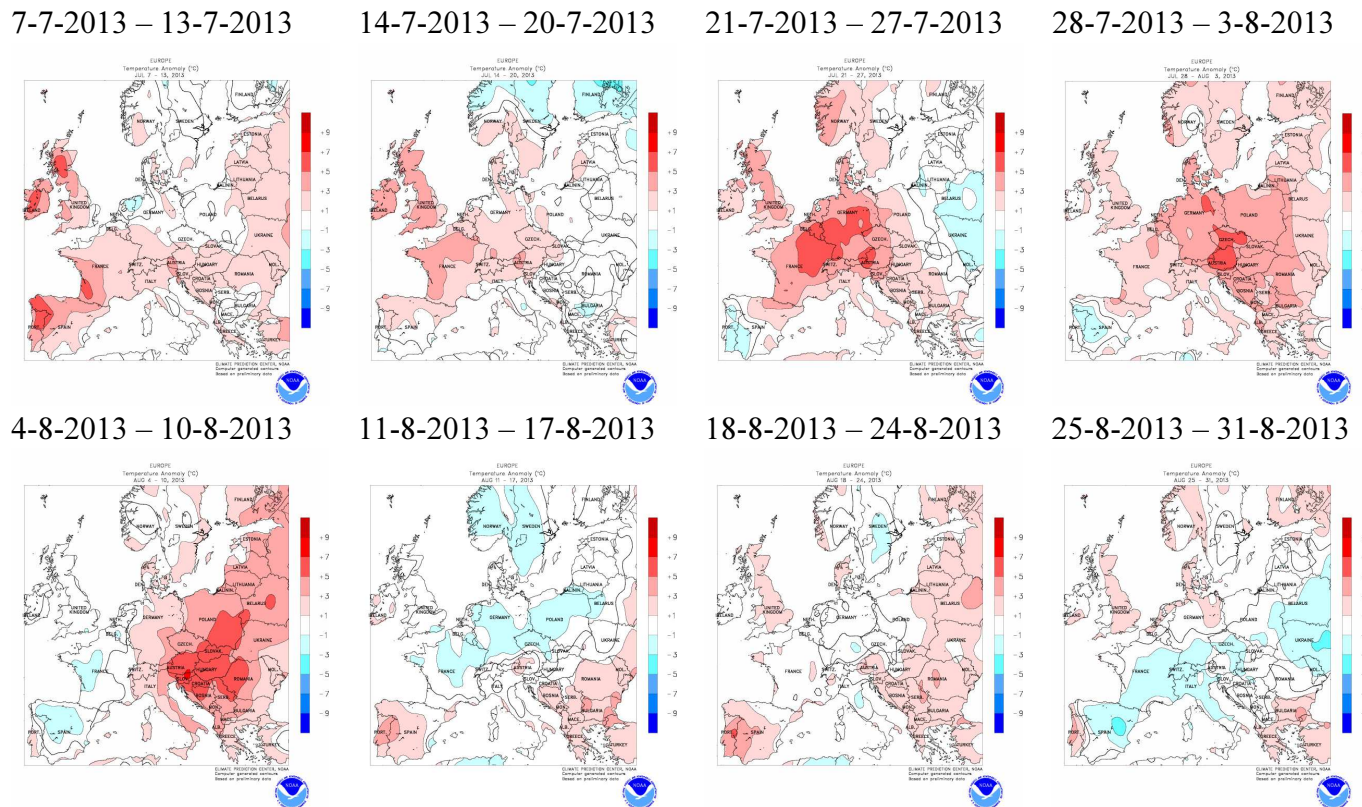


Figure 1. Temperature anomaly for recent weeks (source: Climate Prediction Center, USA)

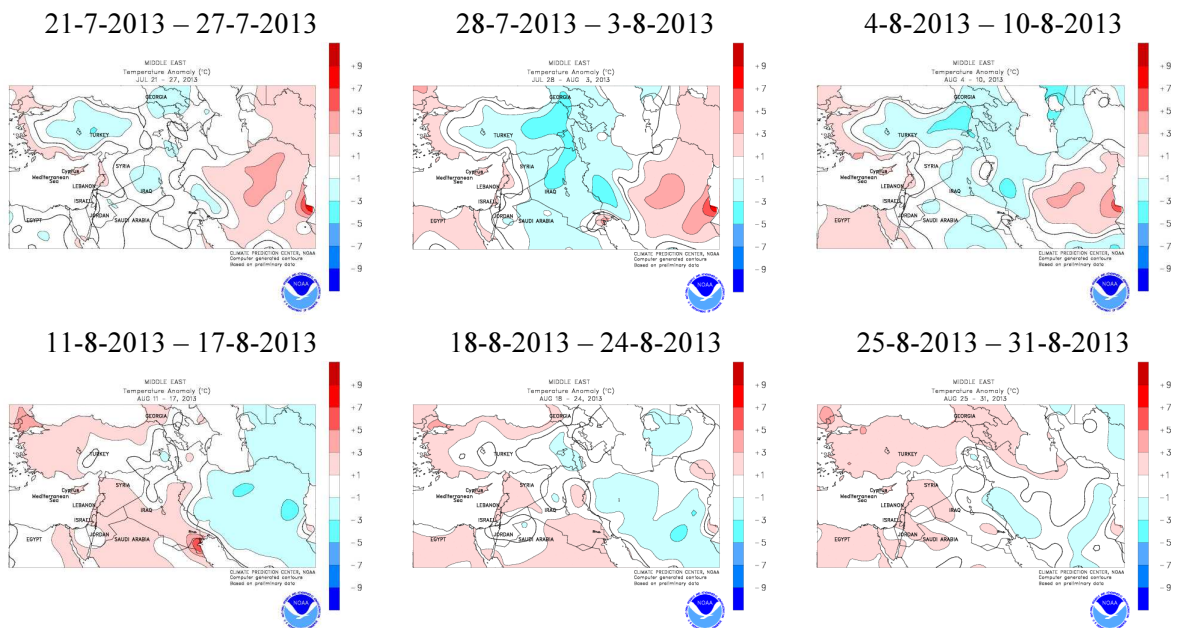


Figure2. Temperature anomaly for recent weeks for Middle East (source: Climate Prediction Center, USA)

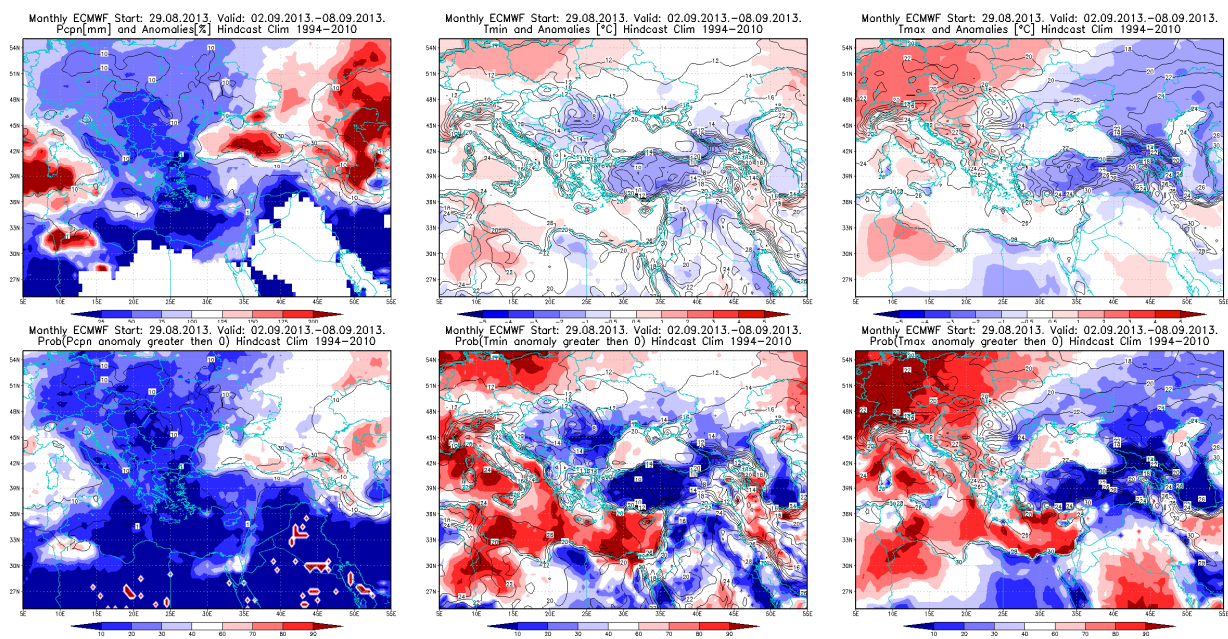


Figure 3. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 02.09–08.09.2013 period

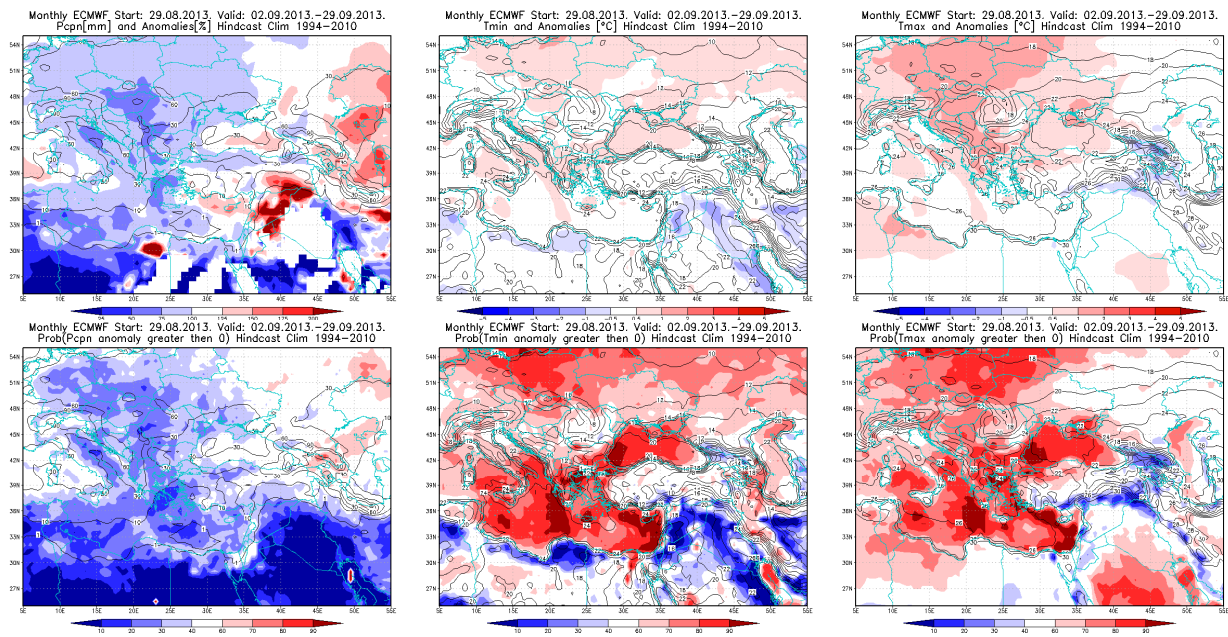


Figure 4. Outlook for the precipitation amount anomaly, minimum and maximum temperature anomalies (upper row), along with the probability of precipitation surplus and positive minimum and maximum temperature anomalies (lower row) for the 02.09–29.09.2013 period

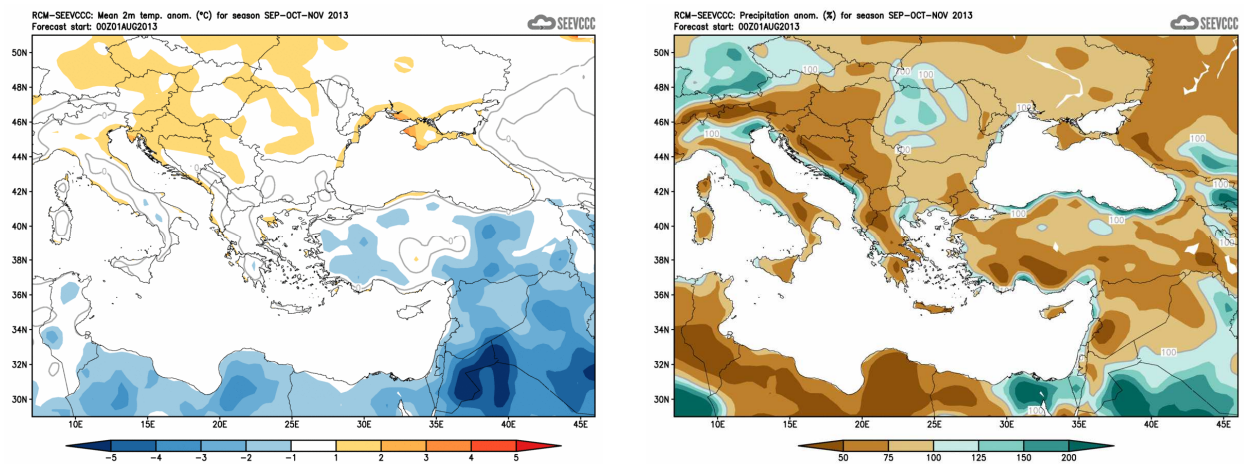


Figure 5. Mean seasonal temperature and precipitation anomaly for the season SON (seasonal outlook for RCM – SEEVCCC)

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/>)