

2012-2013 WINTER SEASON ASSESSMENT REPORT of TURKEY

December

In December of 2012, the monthly mean temperature in most part of country were around normals while it was above normals just in some part of Center Anatolia, east part of Antalya, Sinop, coast of Trabzon and Artvin. The highest value of monthly mean maximum temperature was measured in Alanya with 14.4 °C, and the least value of monthly mean minimum temperature in Kars with -7.3 °C. Country wide mean temperature became 5.8 °C.

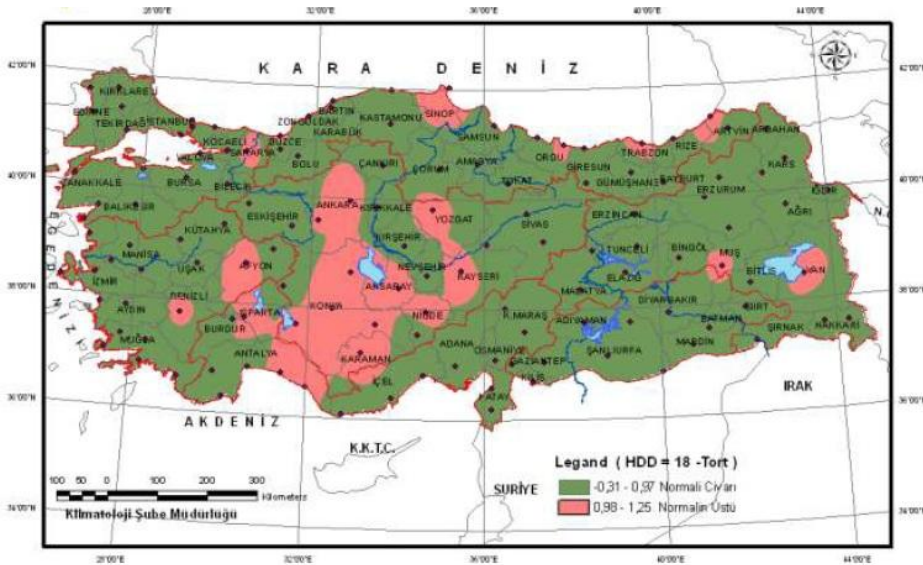


Figure-1: December-2012 mean temperature anomalies

Besides the total mean precipitation in December of 2012 was more than long term normals and the same period in 2011. Monthly mean total precipitation of December was 152.2 mm and long term (1971-2000) normal was 88.8 mm. The precipitation in December increased %71.4 according to normals over almost whole country, (Figure-2).



Figure-2: December-2012 precipitation anomalies

In December 2012, some series of severe events such as snow, heavy rain, storm, and floods affected several parts of Turkey. The most notable event, heavy rain, floods effected in Mediterranean Sea. As a result, agricultural areas, highway and trees were damaged.

January

While the monthly mean temperature of January was around normals in big part of country, but it was above normals at some cities are Sakarya, Düzce, Kocaeli, Tekirdağ, Samsun, Ordu, Trabzon. The highest value of monthly mean maximum temperature was measured in Alanya with 13,1 °C, and the least value of monthly mean minimum temperature in Ardahan -9,9 °C. Country wide mean temperature became 4.0 °C.

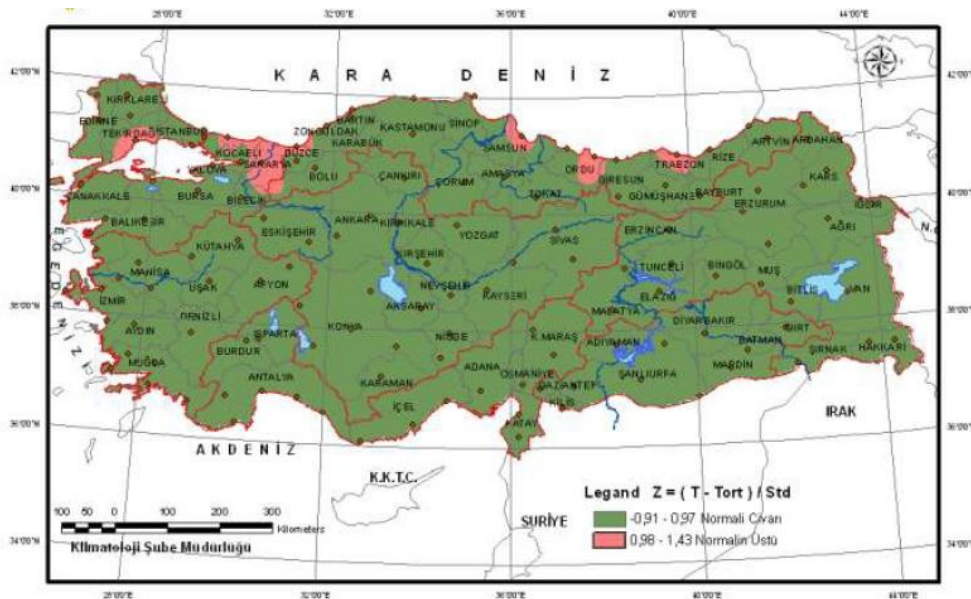


Figure-3: January-2013 mean temperature anomalies

In January 2013, the precipitation was more than long term normals but less from the same period of 2012. The average of monthly total precipitation was 96.4 mm and long term (1971-2000) normal was 77.6 mm. The precipitation in January increased % 24,2 according to normals. Increases were generally coast of Aegean region, Thrace and East Part of Turkey. (Figure-4).



Figure-4: January-2013 precipitation anomalies

Especially heavy snowfall affected the East Part of Country in January of 2013. Snow Depth was measured 2 meters at some cities. Transportation was damaged. Heavy rain, storm, tornado, floods damaged to agricultural areas, trees, transportation and settlements in the several part of Turkey.

February

In February 2013, the monthly mean temperature was above from normals in big part of country (red painted parts), especially some parts of Eastern Anatolian region had values around normals. The highest value of monthly mean maximum temperature was measured in İskenderun with 14.9 °C, and the the least value of monthly mean minimum temperature in Ardahan with -7.8 °C. Country wide mean temperature became 6.5 °C.

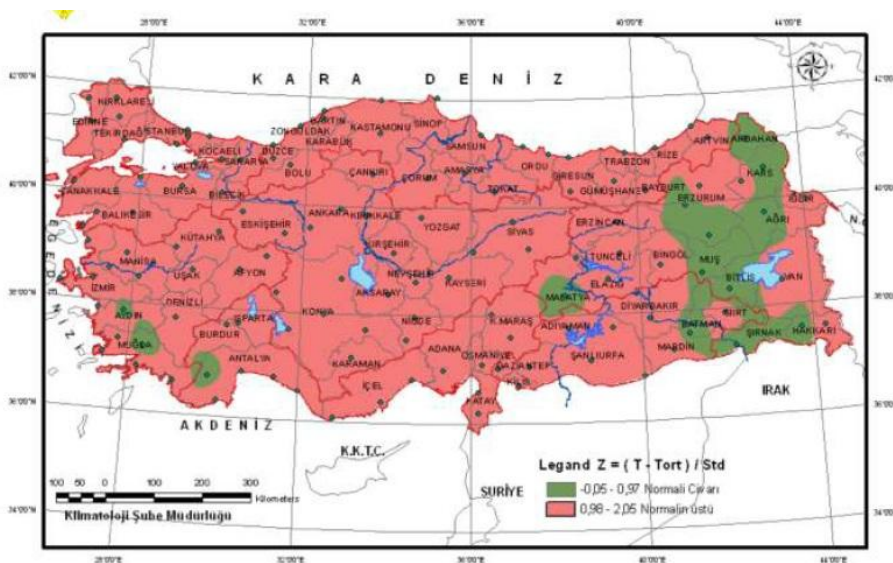


Figure-5: February-2013 mean temperature anomalies

In February 2012, the precipitation was about normals but less from the same period of 2012. The average of monthly total precipitation was 77.7 mm and long term (1971-2000) normal was 77.6 mm. Especially increasing, was measured in Aegean region.



Figure-6: February-2013 precipitation anomalies

In February 2013, heavy snowfall affected the East Part of Country as January and heavy rain, storm, tornado effected in the several part of Turkey. Especially hail and tornado damaged to agricultural areas in Antalya.

2012-2013 Winter Season Assessment of Turkey Compare to Seecof Experts Forecasts

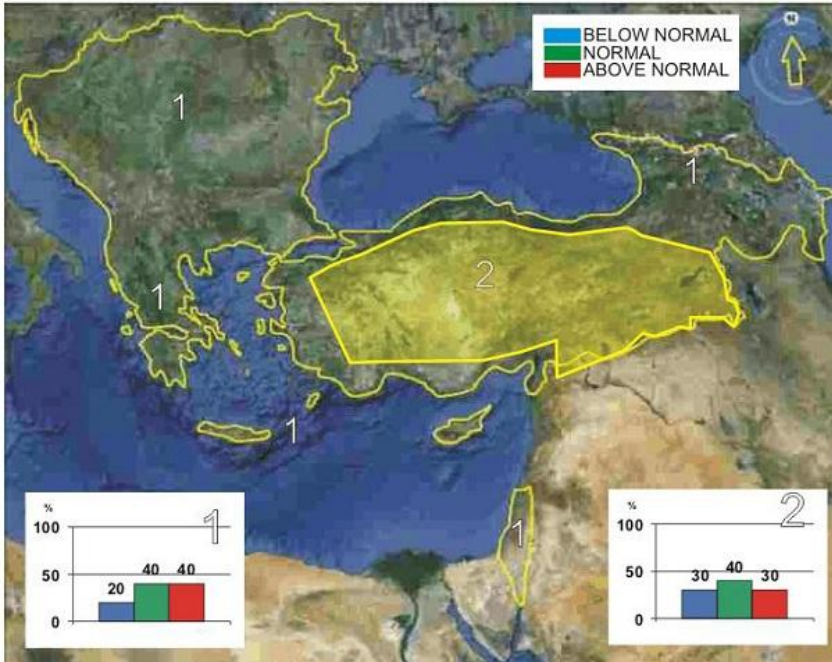


Figure-7: Graphical Presentation 2012/2013 Winter Temperature Outlook

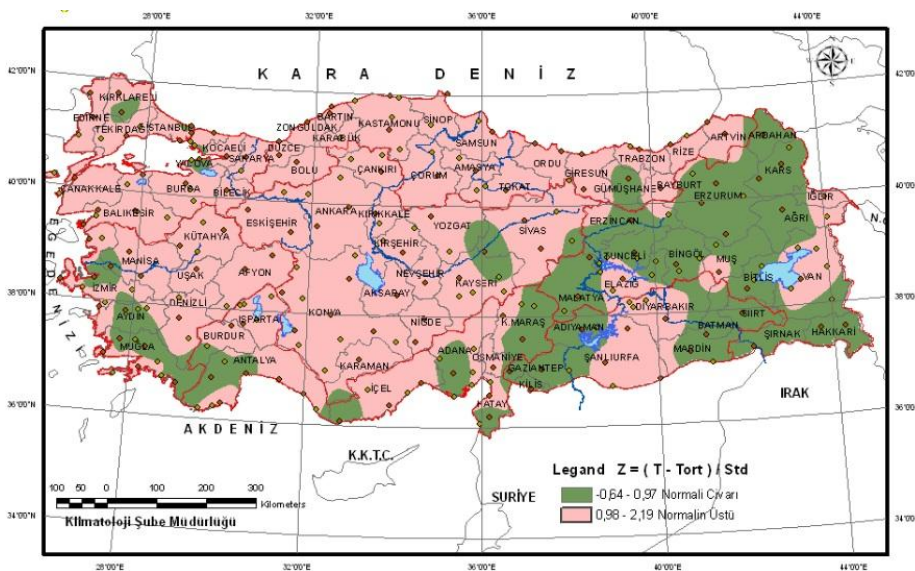


Figure-8: 2012/2013 Winter Season Mean Temperature Anomaly of Turkey

Generally, mean temperatures were above normal values in almost whole country but It was about normals at Eastern part of Turkey. It was expected probably 40% around normal, 30% below from normal and %30 above from normal for inland of Country by SEECOF experts forecast. Besides, for the coasts of Turkey, It was expected 40% above from normals.

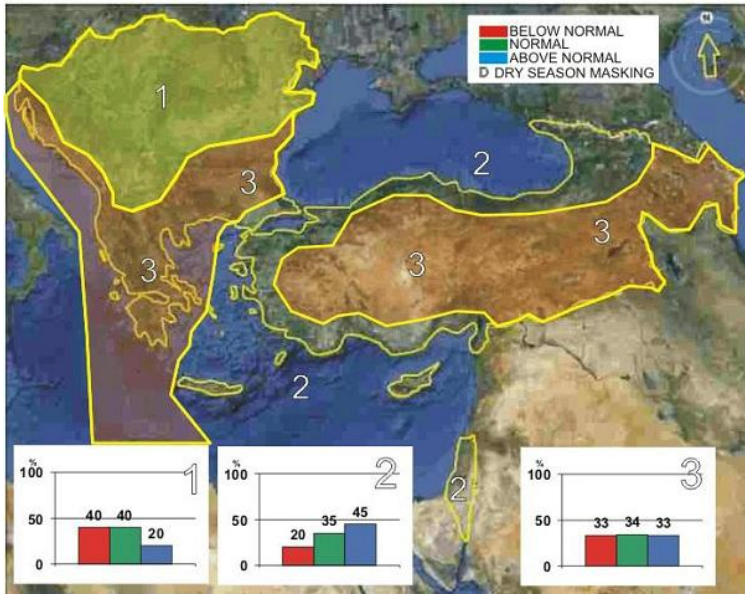


Figure-9: Graphical Presentation 2012/2013 Winter Precipitation Outlook



Figure-10: 2012/2013 Winter Season Mean Precipitation Anomaly of Turkey

According to the SEECOF experts forecasts, total precipitation was expected, probably 33% below normal, %34 around normal and %33 below from normals for third region. It was became above from normals in third region. Besides total precipitation was expected, probably 45% above from normals, %35 around normal and %20 below from normals for second region. It was became above from normals in most part of second region.