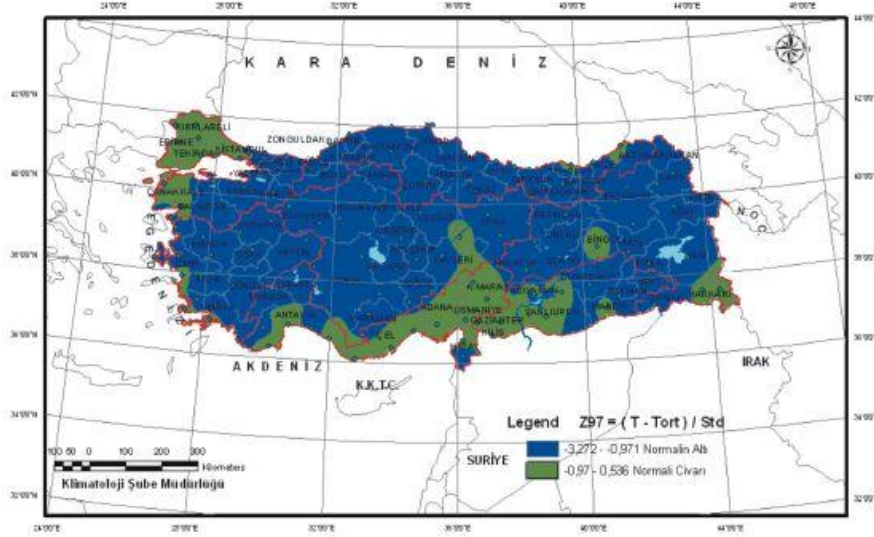


# 2013-2014 WINTER SEASON ASSESSMENT OF TURKEY

## DECEMBER:

In December of 2013, the mean temperature were around normals in north west of the country, west part of South East Anatolia and in south coast area of the country. While it was below normals in the rest of the country. The lowest value of monthly mean minimum temperature,  $-13,5^{\circ}\text{C}$ , was measured in Ağrı, and the highest value of monthly mean maximum temperature,  $12,7^{\circ}\text{C}$  in Alanya.



**Figure-1:** December-2013 Mean Temperature Anomalies

Generally, total mean precipitation in December 2013 was less than the normals and previous December's. While December 2012 monthly mean total precipitation was 152,0 mm, it was 41,8 mm for December 2013 and the normal is 89,7 mm. The rainfall in December 2013 decreased %53,4 relative to normals and %72,5 relative to last December over almost whole country.

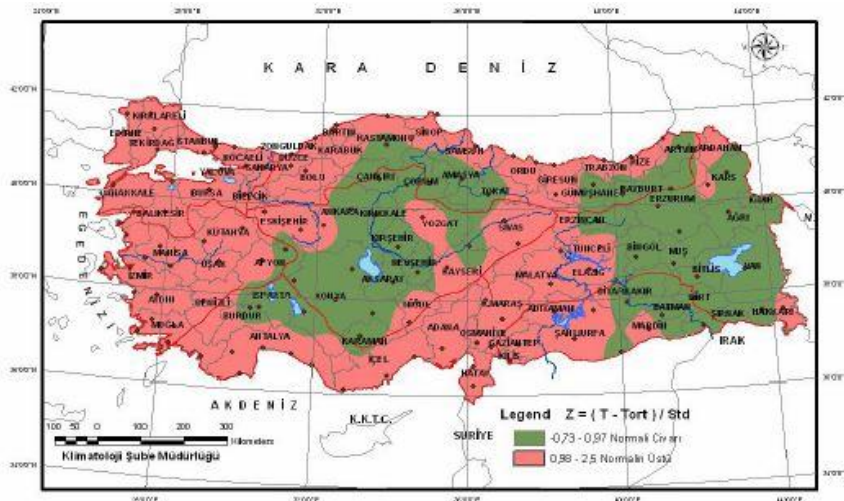


**Figure-3:** December-2013 Precipitation Anomalies

In December 2013, The most notable event, heavy rain, floods effected in Black Sea. Especially highway, trees and houses were damaged. Also heavy snow, effected in East Part of Turkey and Transportation was damaged.

**JANUARY:**

In January of 2014, the mean temperatures were around normals in inland and east part of Turkey while in the rest of the country it was higher than normals. The lowest value of monthly mean minimum temperature, -28,5 °C, was measured in Erzurum, and the highest value of monthly mean maximum temperature, 23,9 °C in Trabzon.



**Figure-4:** January-2014 Mean Temperature Anomalies

Total mean precipitation in January 2014 was less than both the normals and last January's. Normals for January is 77,2 mm, mean precipitation for January was 60,1 mm. Monthly mean total precipitation of January 2013 was 98,6 mm. Rainfall has decreased by 22,2% and 39,1% relative to normals and last January.

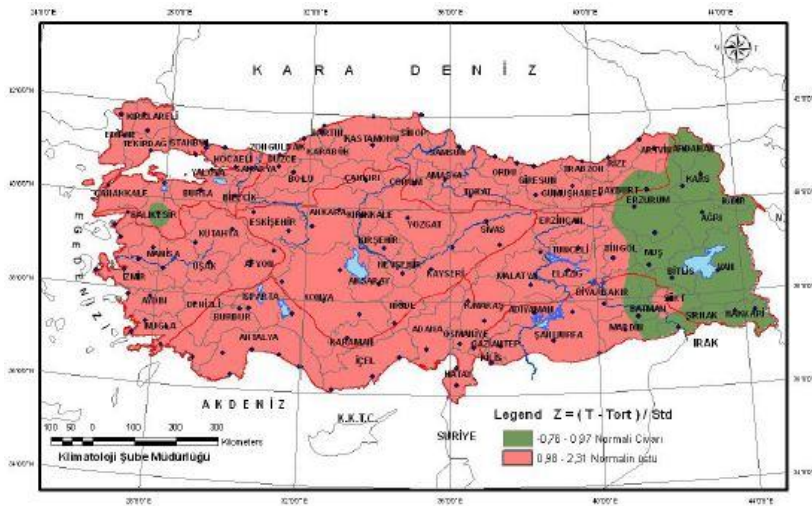


**Figure-5:** January-2014 Precipitation Anomalies

Heavy snowfall affected the East Part of Country in January of 2013. Snow Depth was measured 2-2.5 meters at some cities. Transportation was damaged and we lived avalanche at some region . Heavy rain, storm, tornado, floods damaged to agricultural areas, trees, transportation and settlements in the West and South Part of Turkey.

## FEBRUARY:

In February of 2014, the mean temperatures were around normals in Balıkesir, Batman and east and inland part of East Anatolia. It was above normals in the rest of the country. The lowest value of monthly mean minimum temperature, -10,2 °C, was measured in Ağrı, and the least value of monthly mean minimum temperature, 14,4 °C in İskenderun.



**Figure-6:** February-2014 Mean Temperature Anomalies

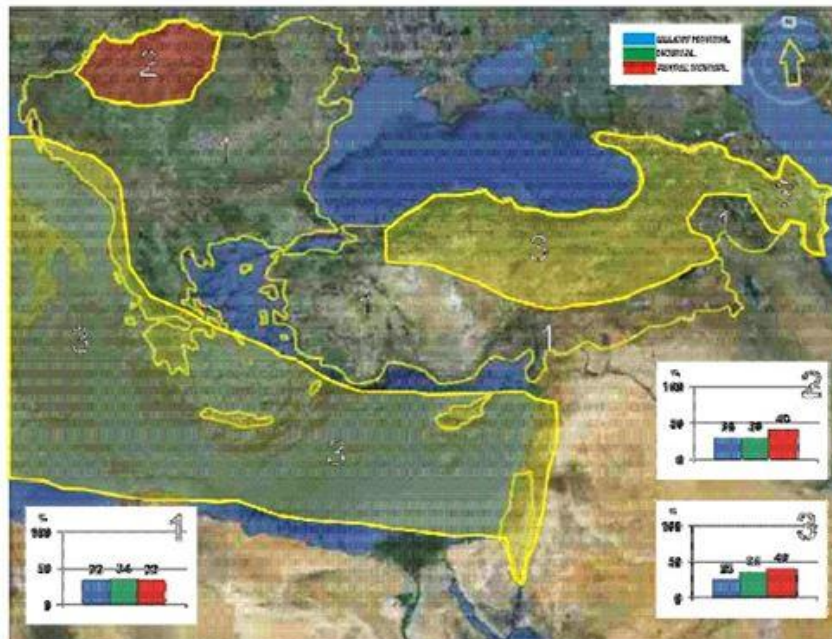
Total mean precipitation in February 2014 was below than the normals and last February. Monthly mean total precipitation of February was 24,6 mm and the normal was 70,4 mm while February 2013 mean total precipitation was 76,5 mm. The rainfall in february decreased 65,1% relative to normals and 67,9% relative to last February.



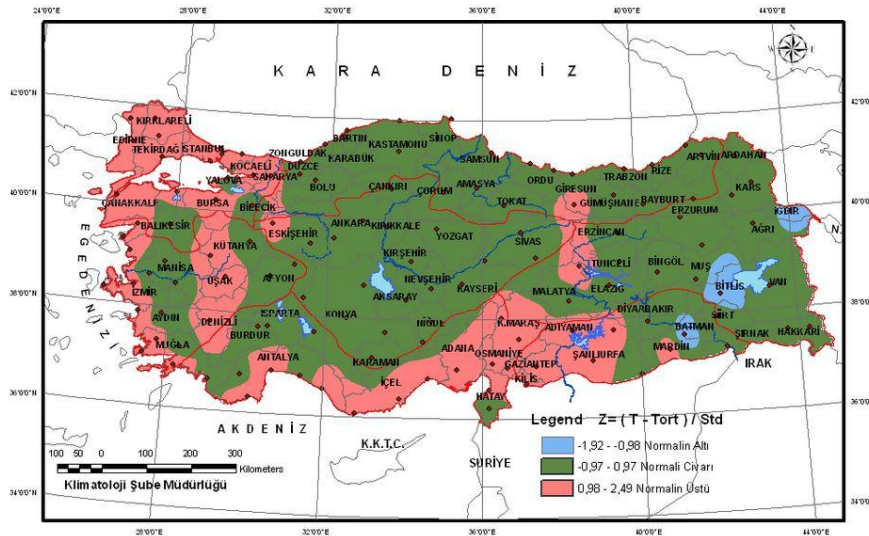
**Figure-7:** February-2014 Precipitation Anomalies

In February 2014, snowfall affected the East Part of Country and heavy rain, storm, tornado effected in the several part of Turkey. Especially hail and tornado damaged to agricultural areas in Aegean region and Antalya.

### 2013 Summer Season Assessment of Turkey Compare to Secof Experts Forecasts

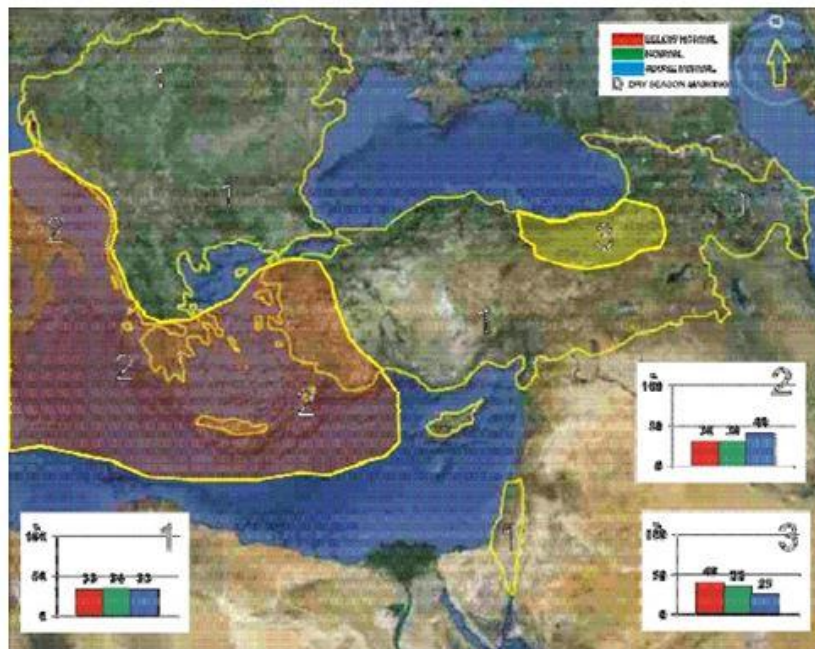


**Figure-8:** Graphical Presentation 2013-2014 Winter Temperature Outlook



**Figure-9:** 2013-2014 Winter Season Mean Temperature Anomaly of Turkey

Mean temperature was around normal almost whole country except some north west, west and south coast line. It was above normal in this region and also in the cities of Bursa, Kütahya, Uşak, Denizli, Gümüşhane, Erzincan and Tunceli. Mean temperature anomalies was expected probably 35% around normal, 25% below from normal and %40 above from normal for east part of Turkey by SEECOF experts forecast. It was expected 33% above normal for western and southern part of Turkey. And mean temperature anomalies were above normal in coast line.



**Figure-10:** Graphical Presentation 2013-2014 Winter Precipitation Outlook



**Figure-11:** 2013-2014 Winter Season Mean Precipitation Anomaly of Turkey

Total precipitation amount were lower than normal in all of the country except from Konya, Artvin and Iğdır. According to the SEECOF experts forecasts in third region, probability was equal. Mean precipitation amount expected probably 40% above normal for second region.