

## 2011-2012 Winter Season Assessment of Turkey

### December

In December of 2011, the monthly mean temperature in most part of country were around normals while it was below normals just in some part of Eastern Anatolia (cities of Erzurum, Ağrı, Muş, Bitlis and Batman). The highest value of monthly mean maximum temperature was measured in Alanya with 13,7 °C, and the the least value of monthly mean minimum temperature in Ağrı with -11,7 °C. Country wide mean temperature became 4.6 °C.



Figure-1: December-2011 mean temperature anomalies

Besides the total mean precipitation in December of 2011 was less than long term normals and the same period in 2010. Monthly mean total precipitation of December was 73,5 mm and long term (1971-2000) normal was 88.8 mm. The precipitation in December decreased %17.3 according to normals over almost whole country, (Figure-2).

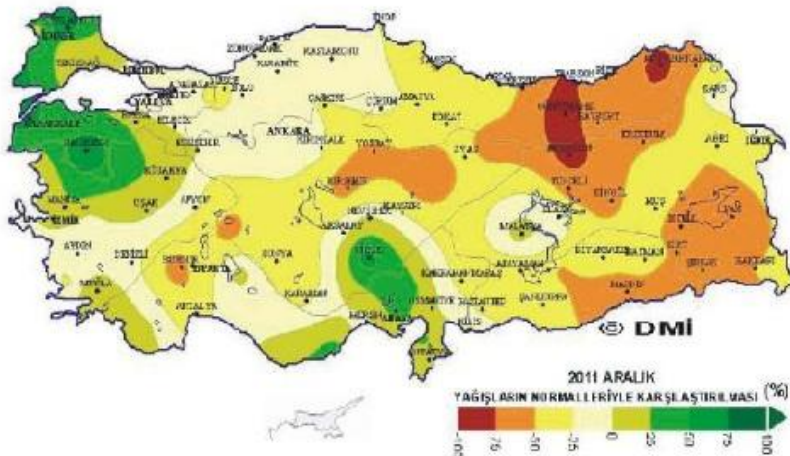
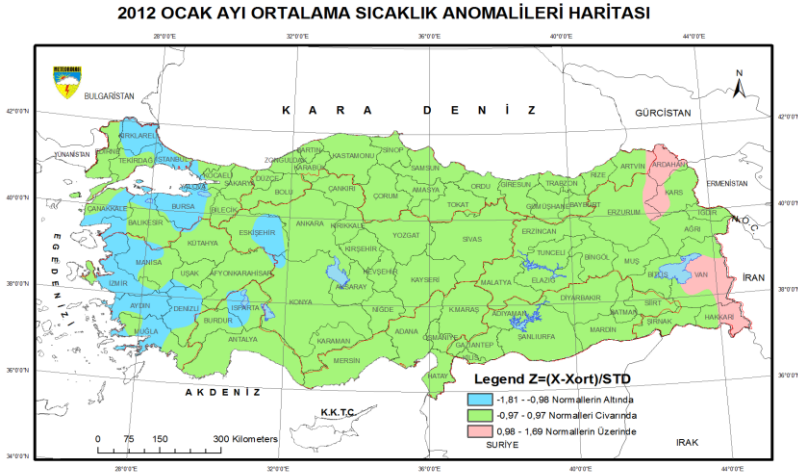


Figure-2: December-2011 precipitation anomalies

In December 2011, some series of severe events such as heavy rain, storm, and floods affected several parts of Turkey. The most notable event, heavy rain, floods and tornado effected in Mediterranean Sea and Aegean regions. As a result, agricultural areas and trees were damaged.

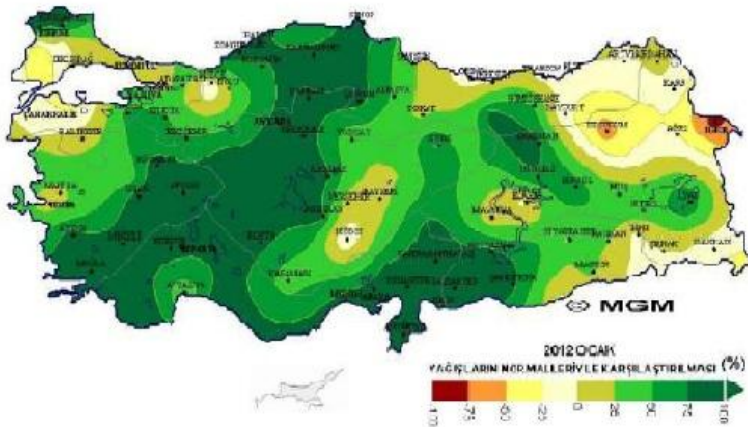
## January

While the monthly mean temperature of January was around normals in big part of country, but it was below normals at some cities in the western region. The highest value of monthly mean maximum temperature was measured in Alanya with 11,2 °C, and the least value of monthly mean minimum temperature in Kars -8,9 °C. Country wide mean temperature became 1,9 °C.



**Figure-3:** January-2012 mean temperature anomalies

In January 2012, the precipitation was more than long term normal and the same period of 2011. The average of monthly total precipitation was 134.5 mm and long term (1971-2000) normal was 77.6 mm. The precipitation in January increased % 73,2 according to normals. Increases were generally in big part of country, exception of north-eastern and north-western regions (Figure-4).



**Figure-4:** January-2012 precipitation anomalies

Especially heavy snowfall affected the whole country in January of 2012 and heavy rain, hail, storm, tornado, floods damaged to agricultural areas, trees, transportation and settlements in the several part of Turkey.

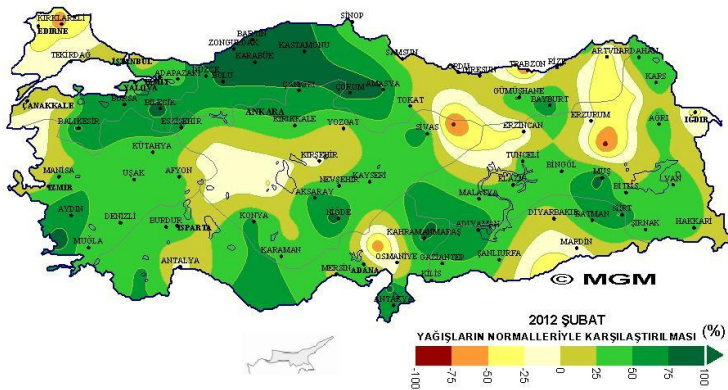
## February

In February 2012, the monthly mean temperature was around normals in big part of country (blue painted parts), especially Mediterranean Sea, South East Anatolia, Inner Aegean, East of Eastren Anatolia regions had values around normals. The highest value of monthly mean maximum temperature was measured in Alanya with 11,5 °C, and the the least value of monthly mean minimum temperature in Erzurum with -14,6 °C. Country wide mean temperature became 1.2 °C.



**Figure-5:** February-2012 mean temperature anomalies

In February 2012, the precipitation was generally more than long term normal and same period of 2011. The average of monthly total precipitation was 94,2 mm and long term (1971-2000) normal was 77.6 mm. The precipitation in February increased % 32,3 according to normals. Decreasings and increasings exhibited an irregular pattern (Figure-6).



**Figure-6:** February-2012 precipitation anomalies

In February 2012, heavy snowfall affected the whole country as January and heavy rain, hail, storm, tornado effected in the several part of Turkey. Especially hail and tornado damaged to agricultural areas in Antalya. Transportation was inhibited occasionally in several part of Turkey.

## 2011-2012 Winter Season Assessment of Turkey Compare to Seecof Experts Forecasts

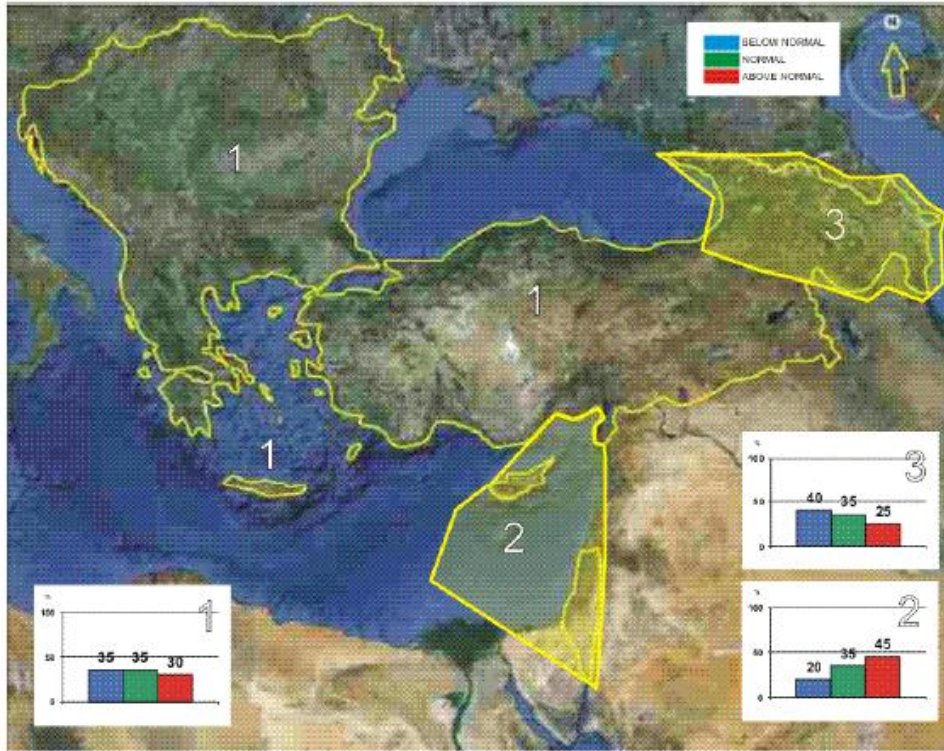


Figure 2. Graphical presentation 2011/2012 winter temperature outlook



### 2011-2012 KIŞ MEVSİMİ ORTALAMA SICAKLIK ANOMALİLERİ HARİTASI



2011-2012 Winter Season Mean Temperature Anomaly of Turkey

Generally, mean temperatures were around normal values in almost whole country. It was expected probably 35% around normal, 35% below normal and %30 above normal for almost whole country by SEECOF experts forecast.

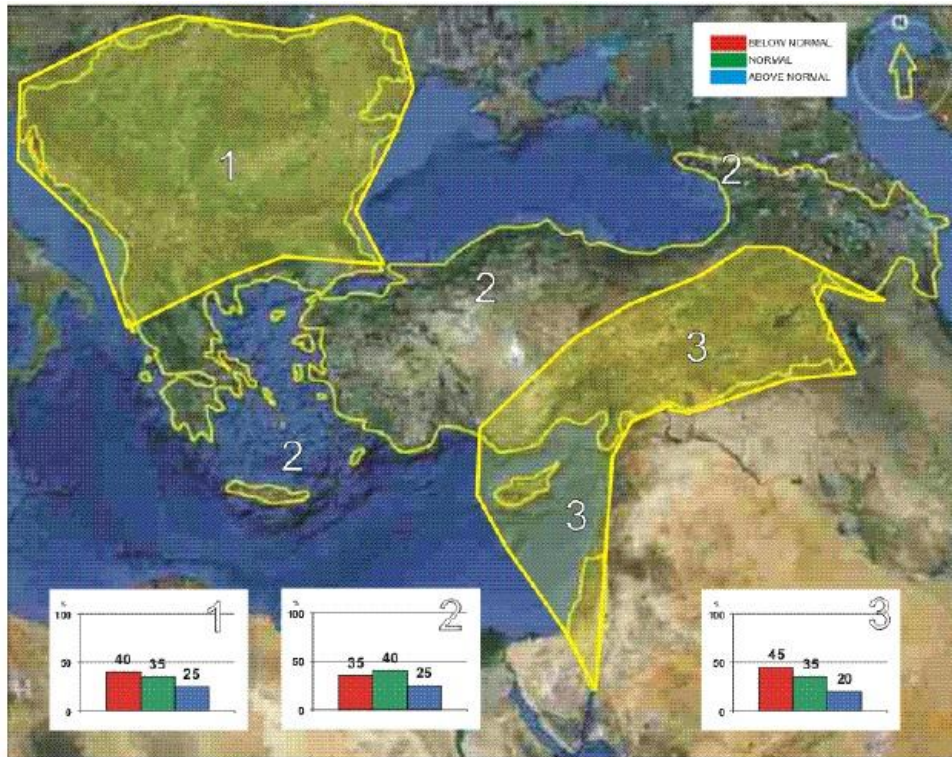
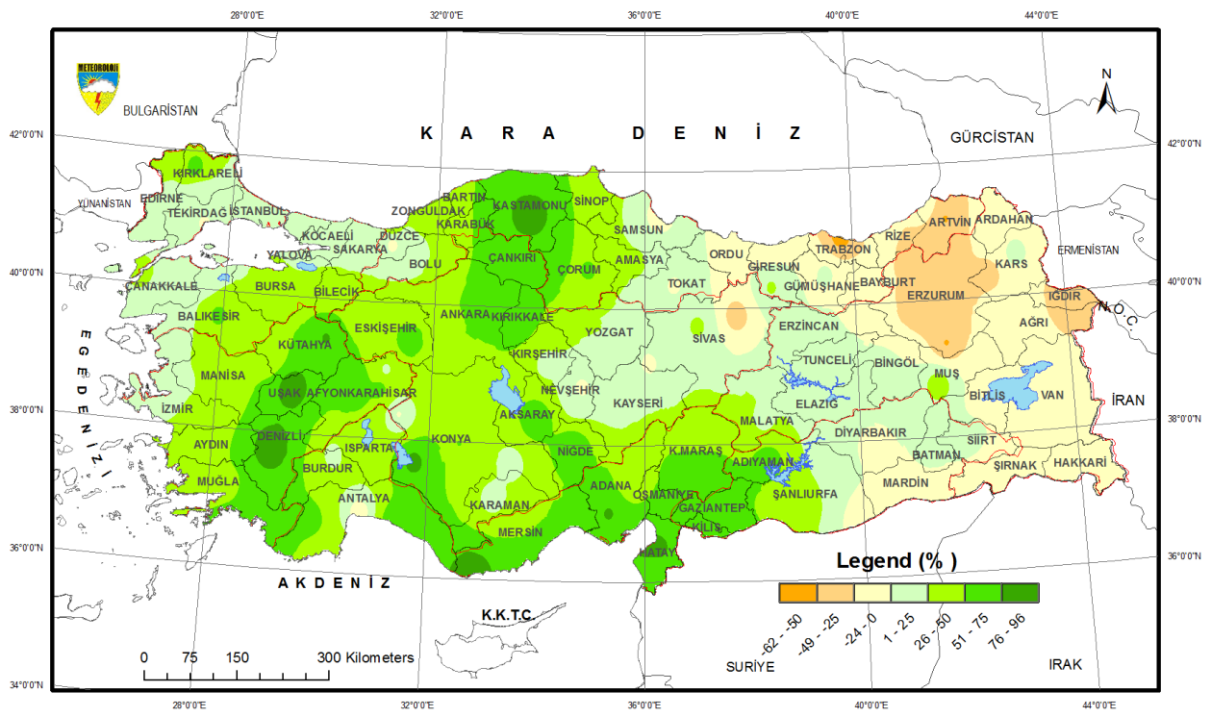


Figure 1. Graphical presentation 2011/2012 winter precipitation outlook

### 2012 KIŞ MEVSİMİ YAĞIŞLARININ NORMALLERİ İLE MUKAYESESİ



2011-2012 Winter Season Mean Precipitation Anomaly of Turkey

According to the SEECOF experts forecasts, total precipitation was expected, probably 35% below normal, %40 around normal and %25 below normal for second region. It was became above normal in most part of second region. Besides total precipitation was expected, probably 45% below normal, %35 around normal and %20 above normal for third region. It was became below normal in most part of third region.