



REPUBLIC OF TÜRKİYE  
MINISTRY OF ENVIRONMENT, URBANIZATION AND CLIMATE CHANGE  
Turkish State Meteorological Service



# State of the Climate in January 2025



Climate and Agricultural Meteorology Department  
Research Department

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**2025**

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## 1. Introduction

The mean temperature of Türkiye in January 2025 was 5.5°C. This value was 2.6°C above the 1991-2020's normal (2.9°C).

In January 2025, below seasonal normal in Hınıs around, mean temperatures were seasonal normal in Antakya, Zara, Kangal, Rize, Artvin, Karabük, Amasya, Tokat, Bayburt, Boyabat, Osmancık, Kızılcahamam, İspir, Oltu, Zile, Eastern Anatolia, Diyarbakır, Batman, Birecik; above seasonal normal in other regions of Türkiye.

The lowest temperature was observed in Ardahan with -28.5 °C and the highest temperature was observed in İnebolu with 24.1°C. There were 2 extreme maximum temperature records observed.

Türkiye's areal mean precipitation in January 2025 was 26.8 mm. This value is approximately 62% below the 1991-2020's normal (69.8 mm).

In January, regional precipitation was below normal in all regions. A decrease of more than 80% compared to normal was observed in Konya, Karaman, Niğde, Kayseri and Sivas. In January, the highest precipitation was occurred in Rize with 117.2 mm and lowest recorded with 2.3 mm precipitation in Adana.

Regional precipitation in January were below normal (1991-2020) in all regions.

The number of rainy days in January 2025 in Türkiye was below normal with 7.6 days (1991-2020 normal is 11.7 days). The number of rainy days was between 15-20 days in the South of Marmara, Black Sea and Aegean Coast, dropped below 1 days in the areas around South Eastern Anatolia, Elazığ, Malatya, Kahramanmaraş, Konya, Karaman, Mersin, Adana, Osmaniye, Hatay, Iğdır and Kars

There are 21 extreme events have been reported in January 2025 in TSMS's Kardelen Database. Percentage of extreme events recorded in January 2025 were storm-tornado (5%), snow (%28), heavy rain-flood (24%), Heat/Cold wave (%5), landslide (%5), fog (9%), hail (14%), lightning (5%),avalanche (5%)

## 2. Temperature

The mean temperature of Türkiye in January 2025 was 5.5°C. This value was 2.6°C above the 1991-2020's normal (2.9°C). Fig.2.1).

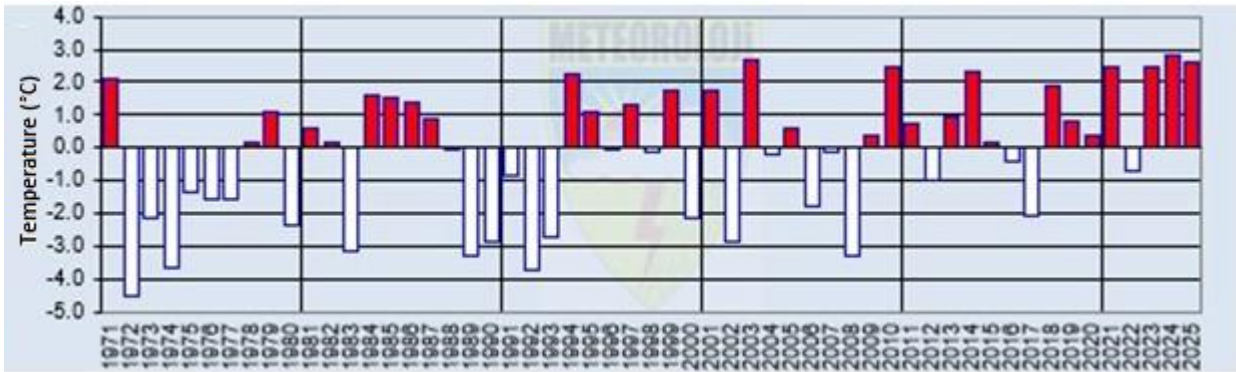


Figure 2.1 Monthly mean temperature anomalies in January (Url 1).

In January 2025, mean temperatures of the regions except Eastern Anatolia above seasonal norms. (Fig.2.2).

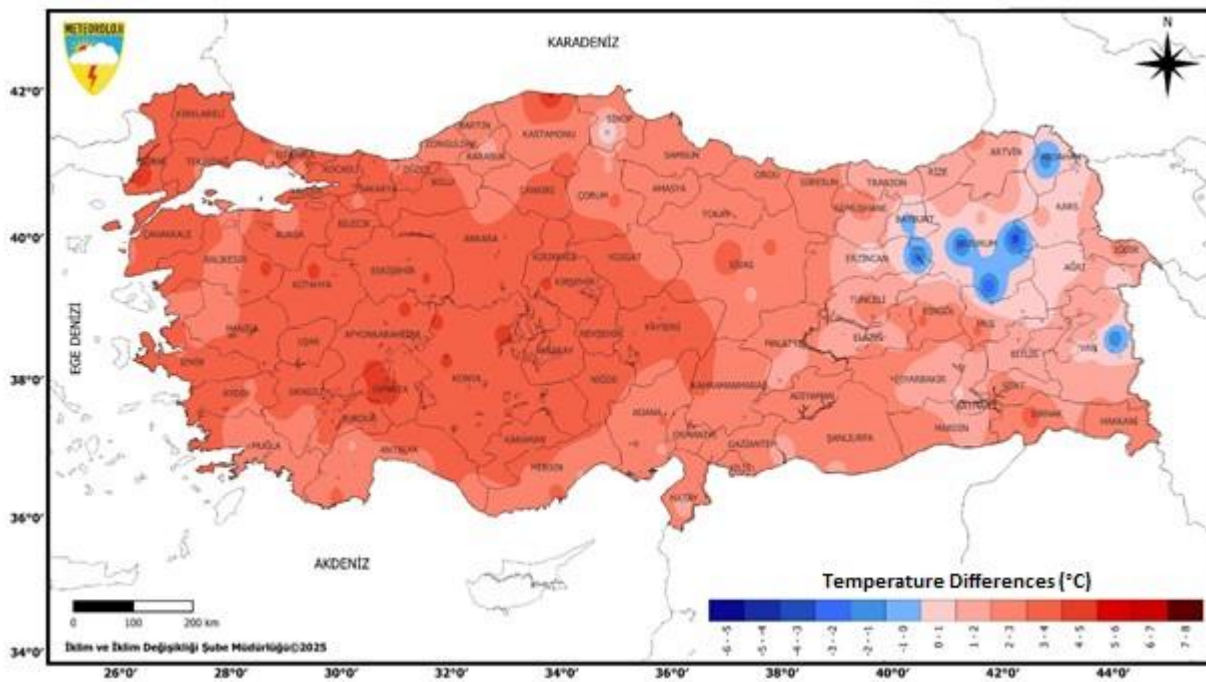
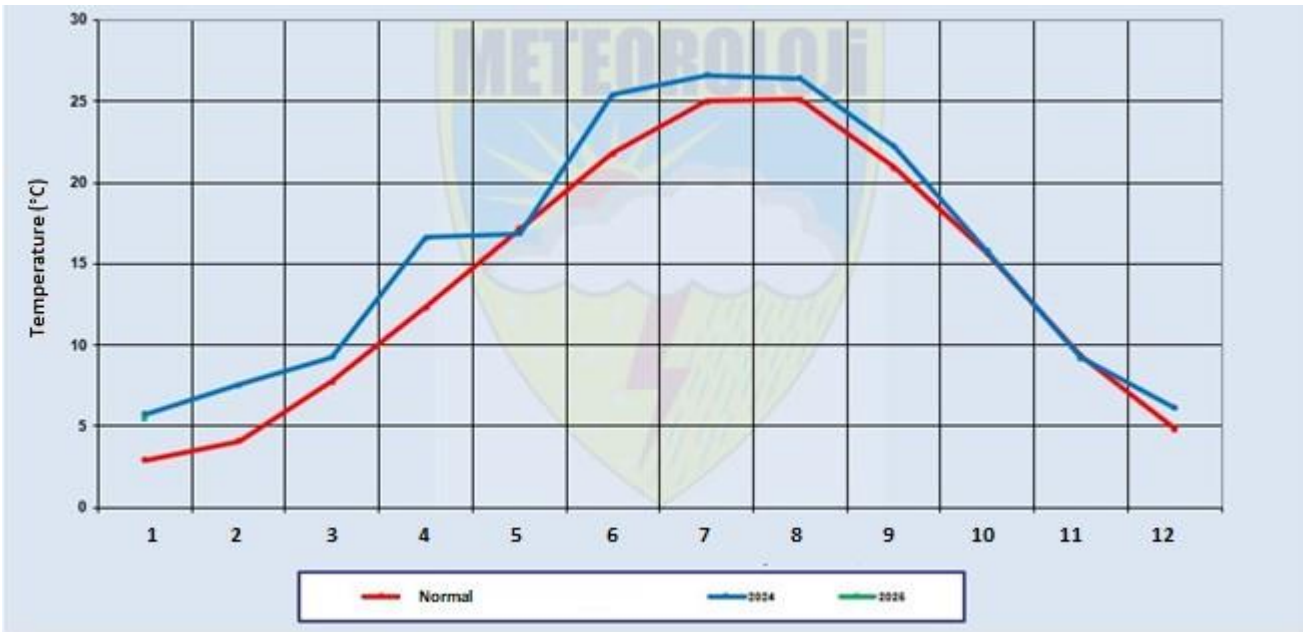


Figure 2.2. Spatial distribution of mean temperature anomaly in Türkiye in January 2025 (Url 1).

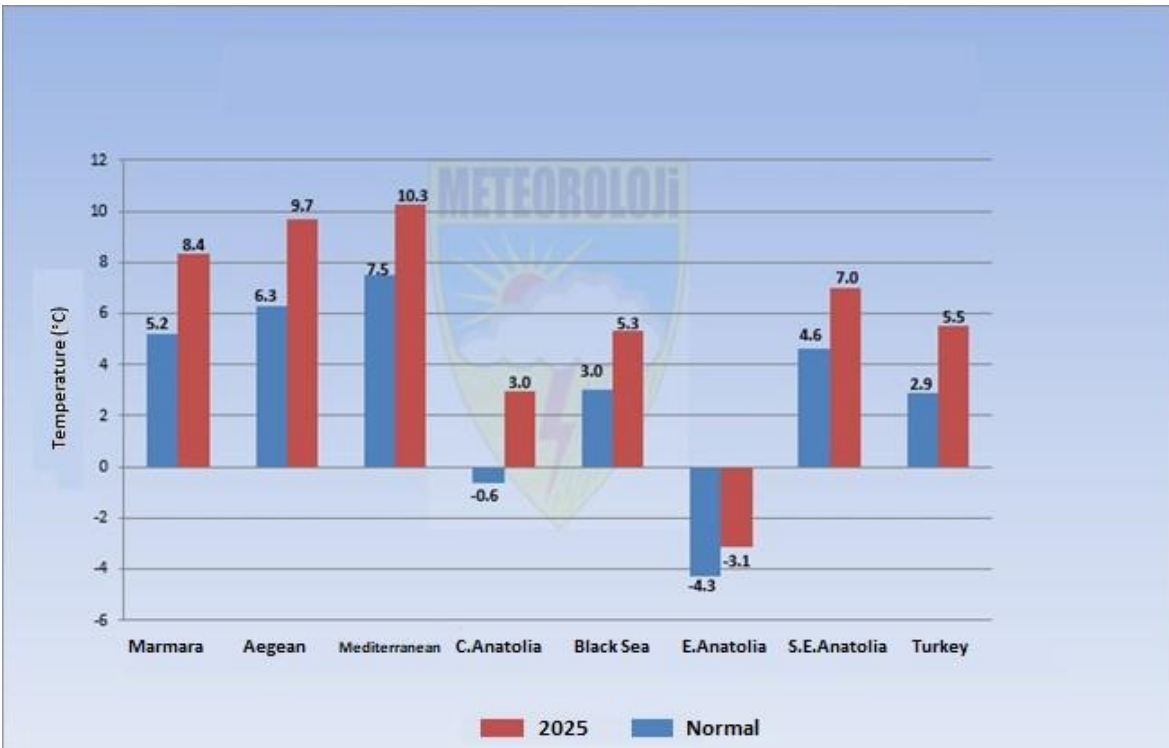


**Figure 2. 3** The difference of the monthly mean temperature in 2025 from normal (1991-2020) (Url 1).

The monthly mean temperature in January around above seasonal its normal.

### 2.1. Regional Temperature

Regional temperatures was above normal in all regions (Fig. 2.4).



**Figure 2. 4** Regional mean temperature differences in January 2025 (Url 1).

### 2.2. Extreme Temperature

The lowest temperature was observed in Ardahan with -28.5 °C and the highest temperature was observed in İnebolu with 24.1°C. There were 2 extreme maximum temperature records observed.

### 3. Precipitation

Türkiye's areal mean precipitation in January 2025 was 26.8 mm. This value is approximately 62% below the 1991-2020's normal (69.8 mm) (Fig. 3.1)

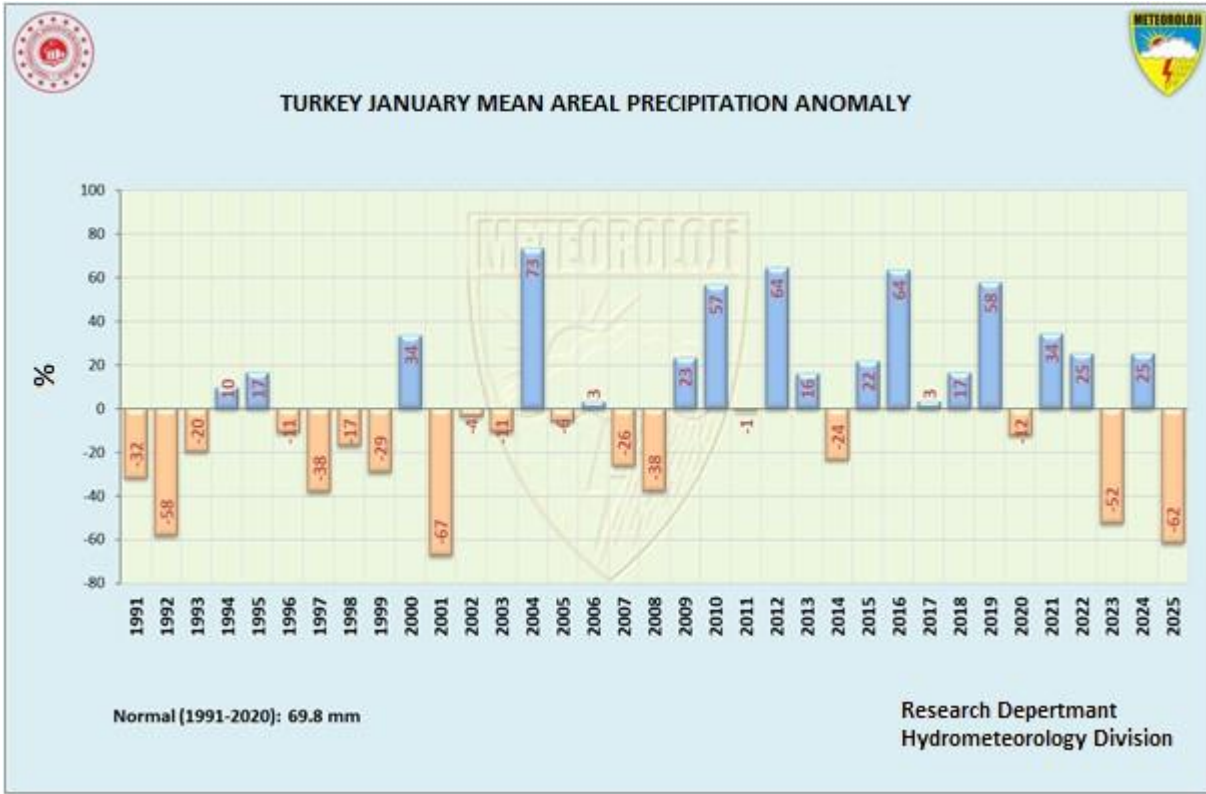
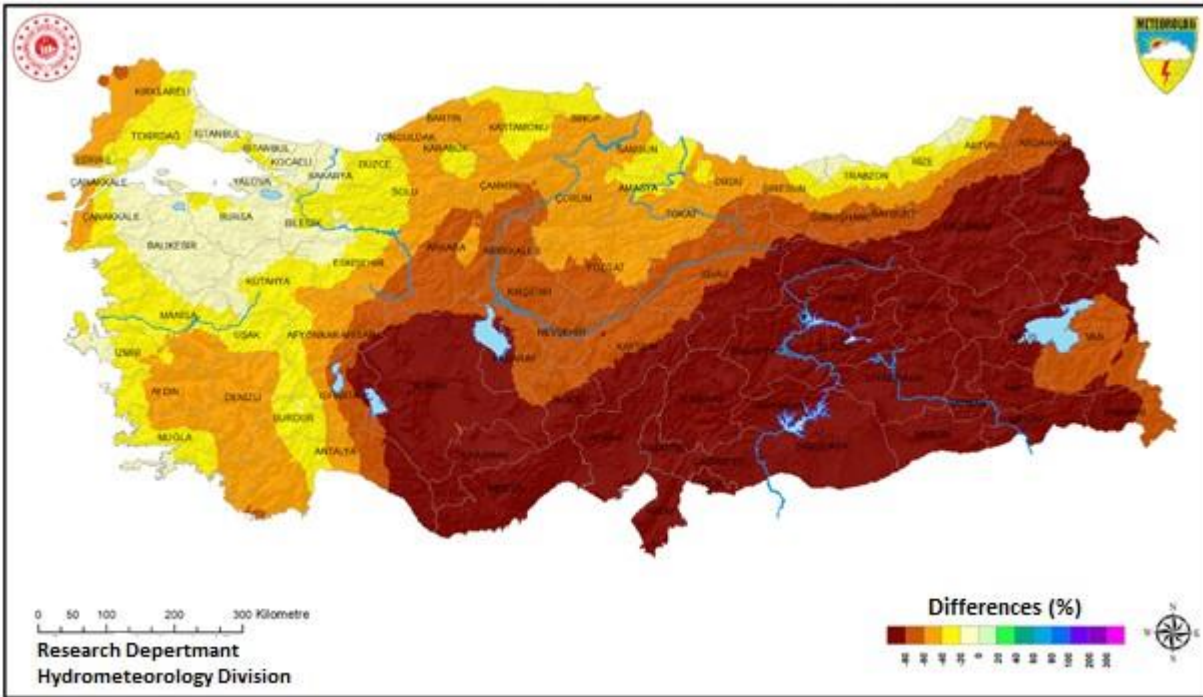


Figure 3. 1 Areal precipitation anomaly in January in Türkiye (Url 2).

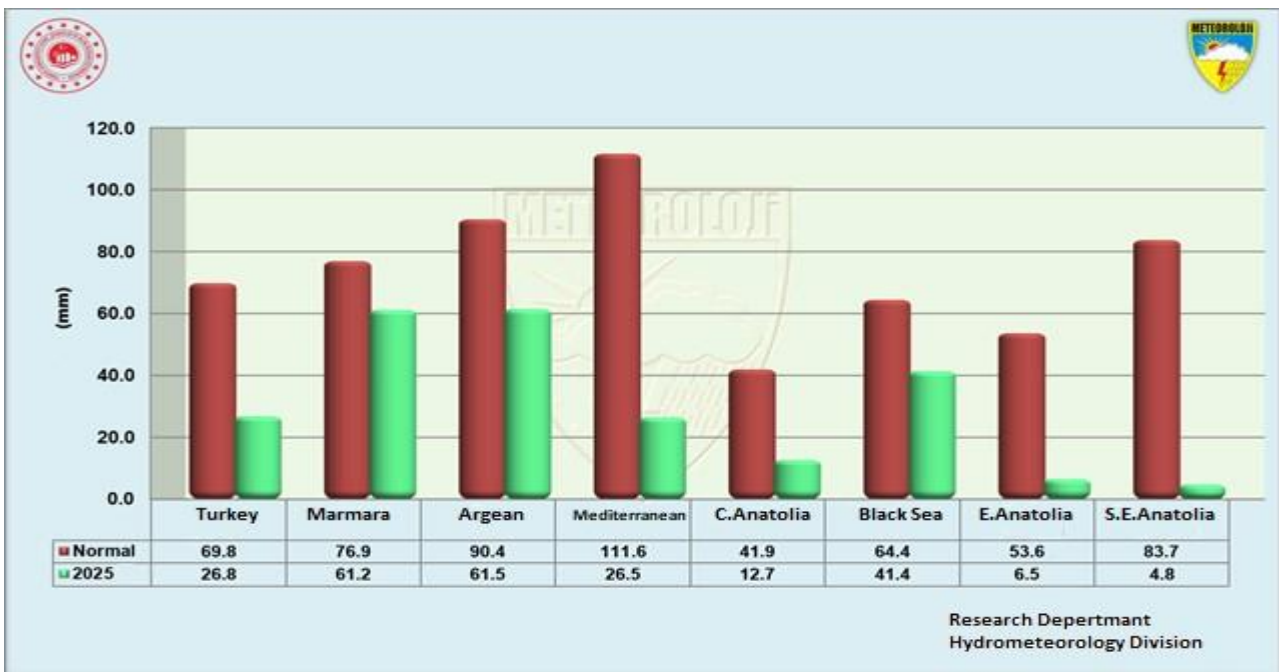


**Figure 3. 2** Spatial distribution of mean precipitation anomalies in January 2025 (Url 2).

In January, regional precipitation was below normal in all regions. A decrease of more than 80% compared to normal was observed in Konya, Karaman, Niğde, Kayseri and Sivas. In January, the highest precipitation was occurred in Rize with 117.2 mm and lowest recorded with 2.3 mm precipitation in Adana (Fig. 3.2).

### 3.1. Regional Precipitation

In January , Regional precipitation in were below near normal (1991-2020) in , Black Sea, E. Anatolia C. Anatolia, S. E. Anatolia; Marmara, Aegean, Mediterranean region. (Figure 3.3).



**Figure 3. 3** Regional Precipitation Differences in January 2025 (Url 2).



### 3.2. Rainy Days

The number of rainy days in January 2025 in Türkiye was below normal with 7.6 days (1991-2020 normal is 11.7 days). The number of rainy days was between 15-20 days in the South of Marmara, Black Sea and Aegean in shore dropped below 1 days in the areas around South Eastern Anatolia, Elazığ, Malatya, Kahramanmaraş, Konya, Karaman, Mersin, Adana, Osmaniye, Hatay, Iğdır and Kars (Fig. 3.4).

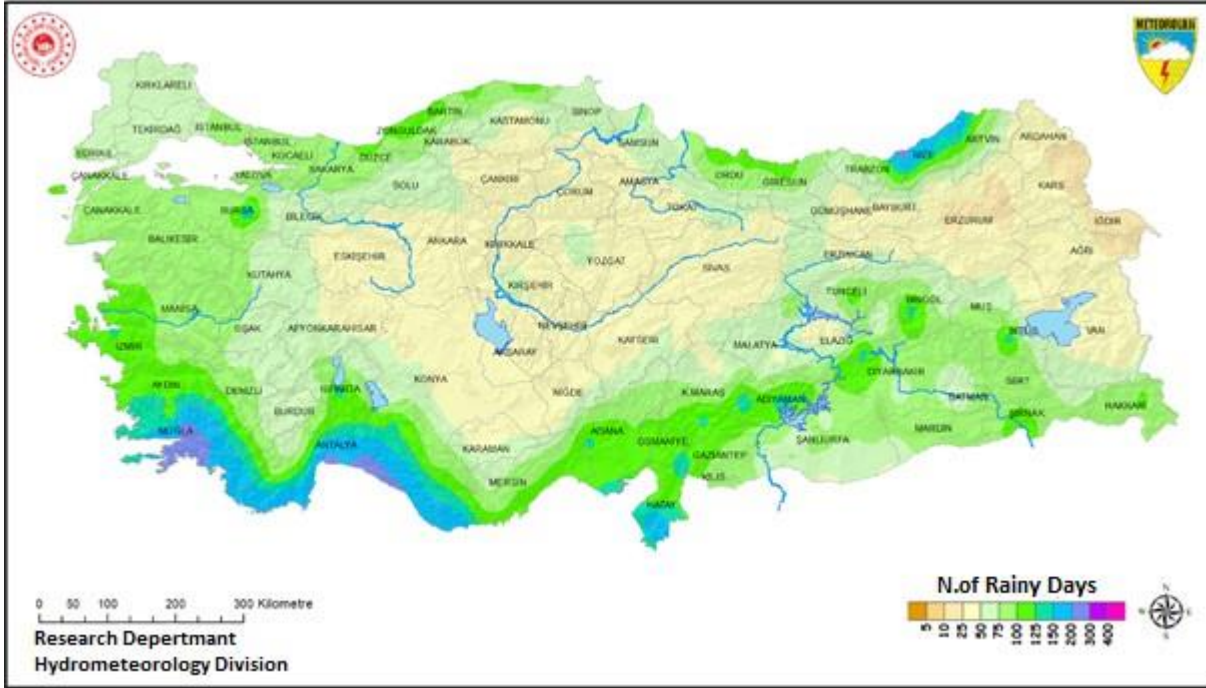
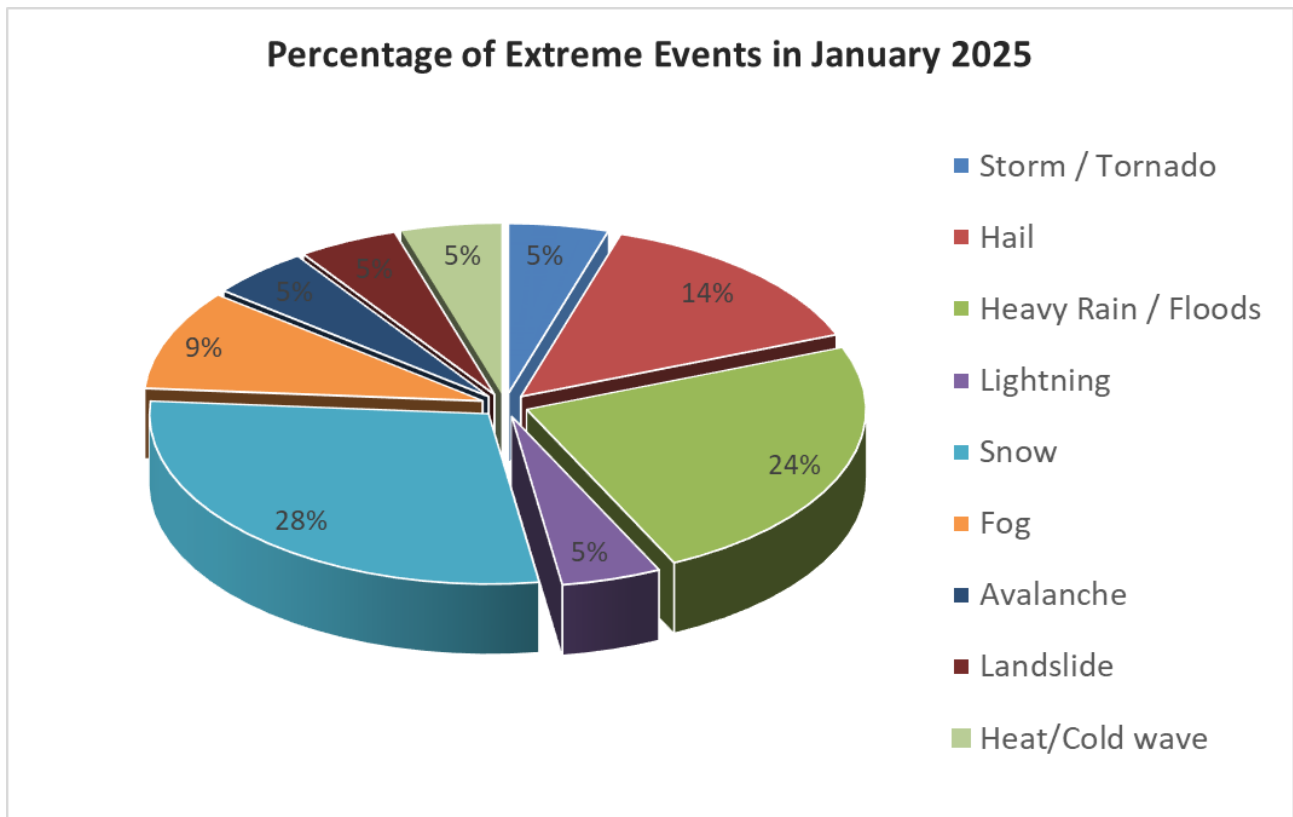


Figure 3. Number of rainy days in January 2025 (Url 2).

#### 4. Extreme Meteorological Events



**Figure 4.1.** Percentage of extreme event in January 2025 (Url 3).

There are 21 extreme events have been reported in January 2025 in TSMS's Kardelen Database. Percentage of extreme events recorded in January 2025 were storm-tornado (5%), snow (%28), heavy rain-flood (24%), Heat/Cold wave (%5), landslide (%5), fog (9%), hail (14%), lightning (5%),avalanche (5%) (Fig. 4.1).

## References

1. URL 1, Turkish State Meteorological Service, temperature analysis  
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2. URL 2, Turkish State Meteorological Service, precipitation analysis  
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