

Country: Turkey

Institute: Turkish State Meteorological Service

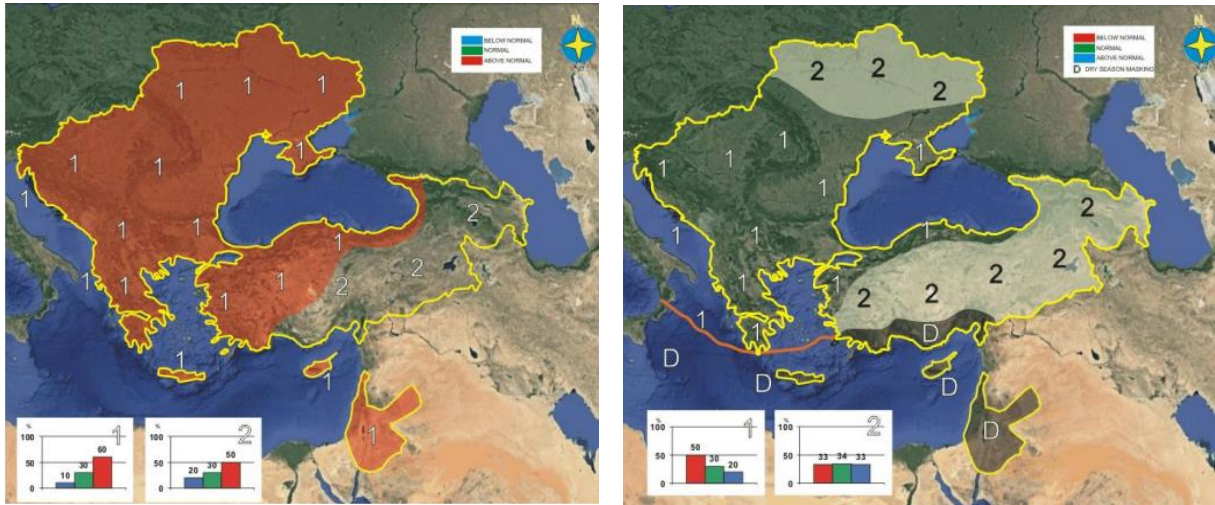
Name: Hüdaverdi Gürkan

E-mail: hgurkan@mgm.gov.tr

Assessment of the seasonal forecast for the winter season

JJA 2020

1. SEECOF-23 climate outlook for 2020 summer season:



According to SEECOF-23 consensus statement temperature was expected to be above normal for all across the country for the 2020 summer season, for precipitation there was no clear signal for the most parts of Turkey, and precipitation was expected below normal for the northern part of Turkey.

2. Analysis of 2020 summer season:

The reference period is 1981-2010.

Turkey's 1981-2010 summer mean temperature is 23.4 °C. The mean temperature of 2020 summer season was 24.3 °C and 1.1 °C above than seasonal normal.

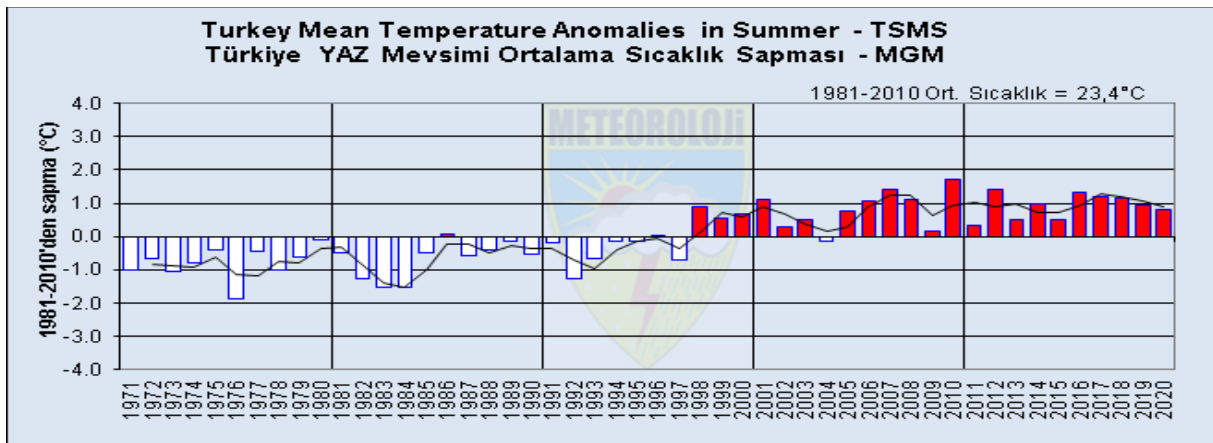


Figure 1 Turkey Mean Temperature Anomalies in 2020 Summer Season

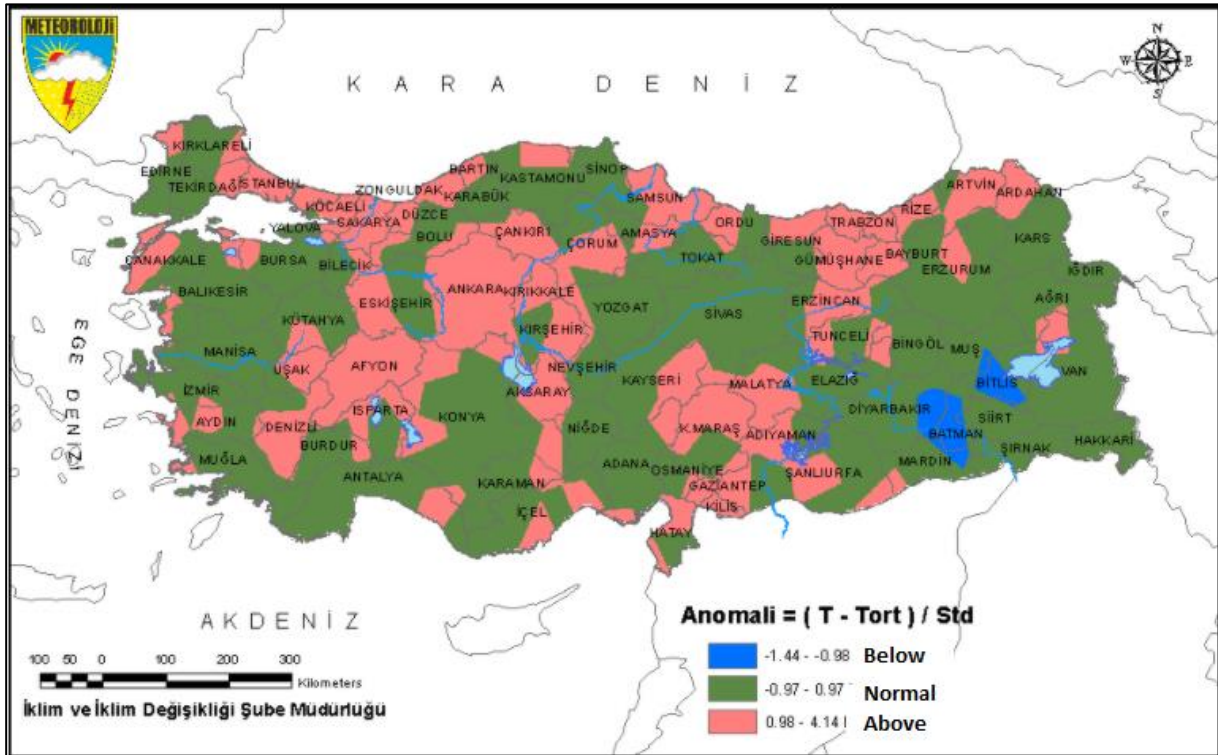
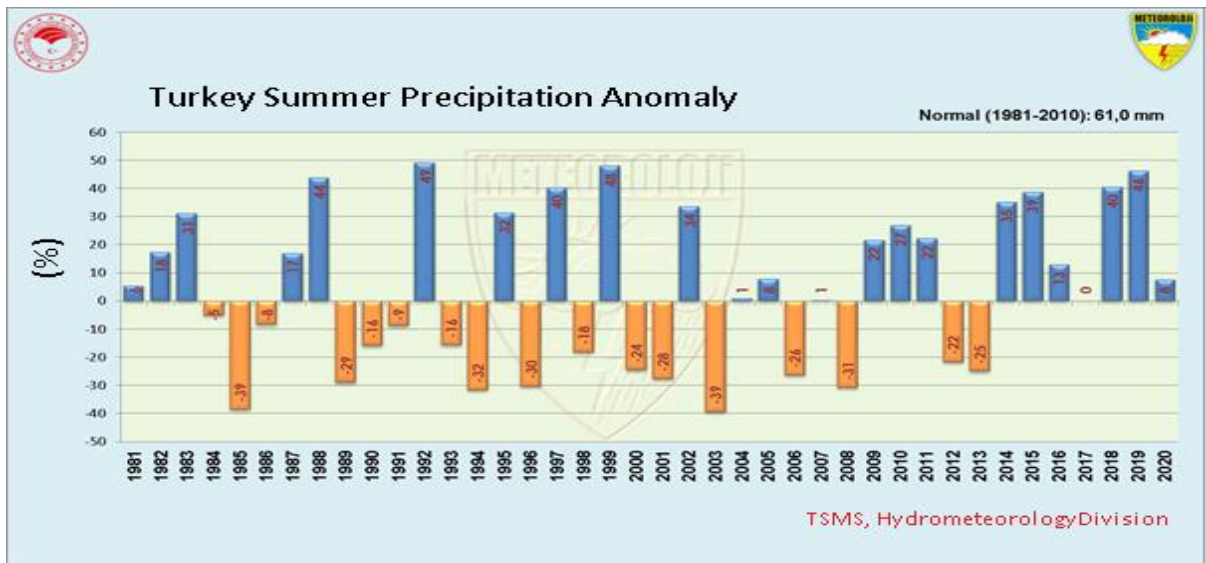


Figure 2 Turkey Mean Temperature Anomalies in 2020 Summer Season

The temperature was near normal in most parts of the country and above normal at the northern coast and inner part of Turkey.

Precipitation;

Turkey's 1981-2010 summer season mean total precipitation is 61.0 mm. The mean total precipitation of 2020 summer season was 65.7 mm and %8 above than seasonal normal.



In General, precipitation was;

- Below normal (**more than 40%**) in Southeastern Anatolia region and below normal at inner part of the country.

- Above normal (**more than 100%** at İzmir and Manisa provinces) in western part and eastern Black Sea region coastal areas of the country.

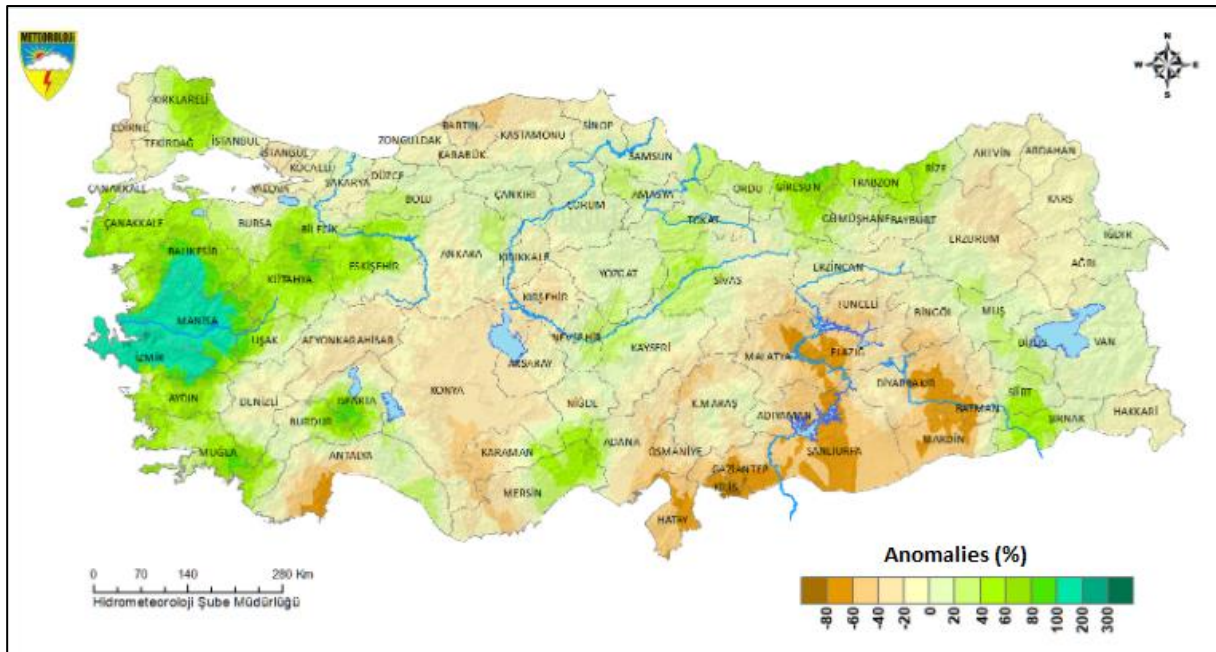


Figure 3 Turkey Precipitation Anomalies in 2020 Summer Season

3. High Impact Events:

- On June 21, heavy rain and flood caused **6 casualties** and also adversely affected agriculture areas in Bursa province (Wester part of Turkey - Marmara Region).
- On August 22, a flood occurred in Giresun province (Eastern Black Sea Region) and its districts. **10 casualties** and many buildings were destroyed or damaged.
- July 2020, was the **sixth hottest July** in the 50 years long term period (1971-2020).

4. Verification of the SEECOF-23 climate outlook for 2020 summer season:

Country	Seasonal temperature JJA		Seasonal precipitation JJA	
	Observed	SEECOF-23 climate outlook for temperature	Observed	SEECOF-23 climate outlook for precipitation
Turkey	Near and Above normal	Above normal	Above normal at western and eastern Black Sea coast of the Turkey Below normal at southeastern part of the Turkey	No clear signal for most of the country – Above normal northern part of the Turkey