This map shows the temperature of the land surface on 2 August 2021. It is clear to see that surface temperatures in Turkey and Cyprus have reached over 50°C, again. A map we published on 2 July shows pretty much the same situation. The Mediterranean has been suffering a heatwave for some weeks, leading to numerous wildfires. Turkey, for example, is reported to be amid the country's worst blazes in at least a decade.

The map here was generated using data from Copernicus Sentinel-3's Sea and Land Surface Temperature Radiometer. While weather forecasts use predicted air temperatures, this satellite instrument measures the real amount of energy radiating from Earth—and depicts the real temperature of the land surface.

The Copernicus Sentinel-3 satellites also carry camera-like instruments, which captured smoke billowing from the fires in Turkey on 30 July.

Provided by European Space Agency