

NERO Fire Brief

Summary

On Wednesday, 2 June 2025, at approximately 11:00 UTC (14:00 local time, UTC+3), a wildfire ignited in farmland near the village of Ildır, located in the Seferihisar district of İzmir Province in western Türkiye. Shortly afterward, the fire spread to adjacent shrubland and developed into a wildfire (Fig. 1a, b).

Driven by strong northeasterly winds (~30 km/h, with gusts up to ~40 km/h), the fire rapidly spread through dense and extremely dry shrubland (maquis vegetation). Preliminary analysis of satellite images indicates that the fire advanced approximately 5.1 km within 120 minutes, with an estimated spread rate of ~2.6 km/h on June 2 (Fig. 2).

On June 3, the fire continued spreading southeast (Fig. 3), mainly under the influence of strong winds. Concurrent Fire Radiative Energy (FRE) data from EUMETSAT’s MSG-SEVIRI suggest this was the fire’s most intense phase (Fig. 4).

Preliminary analysis of satellite data indicates that the total burned area had reached nearly 9,000 hectares by June 3, including all affected land cover types (e.g., forest, shrubland, agricultural, and residential areas) (Fig. 3).

Due to high wind speeds and the presence of dense shrubby vegetation, spotting was a significant driver of the fire’s spread (Fig. 5).

Nearly four villages were evacuated, and the İzmir–Çeşme highway was closed. As of midnight on June 3, the fire was nearly under control, although some parts remained active (Fig. 3).

Date and Time	2 July 2025, 11:00 UTC
Wildfire Event Name	İzmir, Çeşme Fire
Location	İzmir, Çeşme-Ildır, Türkiye Lat: 38.381766° Long: 26.493123° (fire ignition)
Current Size (ha) (ongoing)	9.000
Type	Surface fire and Crown fire

Weather Influence	Wind-driven fire
Fuels	Shrublands (maquis), open pine forest, grass
Elevation (m asl)	10 - 170
Observed Fire Behavior	High fire rate of spread, spotting
Other Information	https://www.aa.com.tr/tr/gundem/izmirde-orman-yanginlarina-mudahale-suruyor/3620324 https://www.ntv.com.tr/galeri/turkiye/izmir-ve-bursada-orman-yanginlari-suruyor,7OS4X_ISPECljOhgqk1bng/ssuzClGyDEeERNQXwGsdng https://t24.com.tr/haber/cesme-deki-orman-yangini-ikinci-gununde-havadan-mudahale-baslatildi-,1247895



Figure 1. Images from ongoing fire (a, b, c and d) (02-03.10.2025). Source: NTV, T24

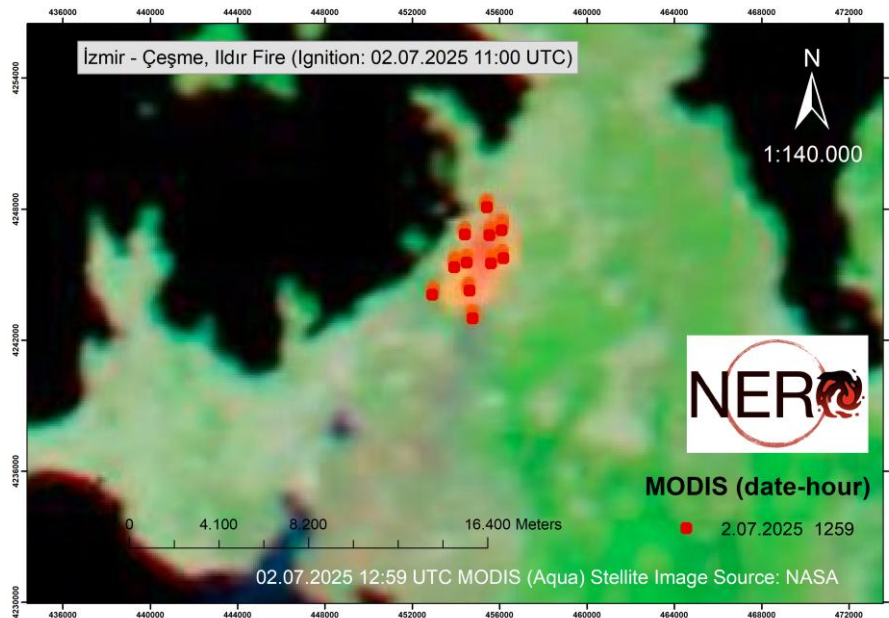


Figure 2. The combination of the MODIS (Aqua) Corrected Reflectance image (Bands 7-2-1) and MODIS thermal anomalies for this fire (02.07.2025 12:59 UTC). Source: NASA

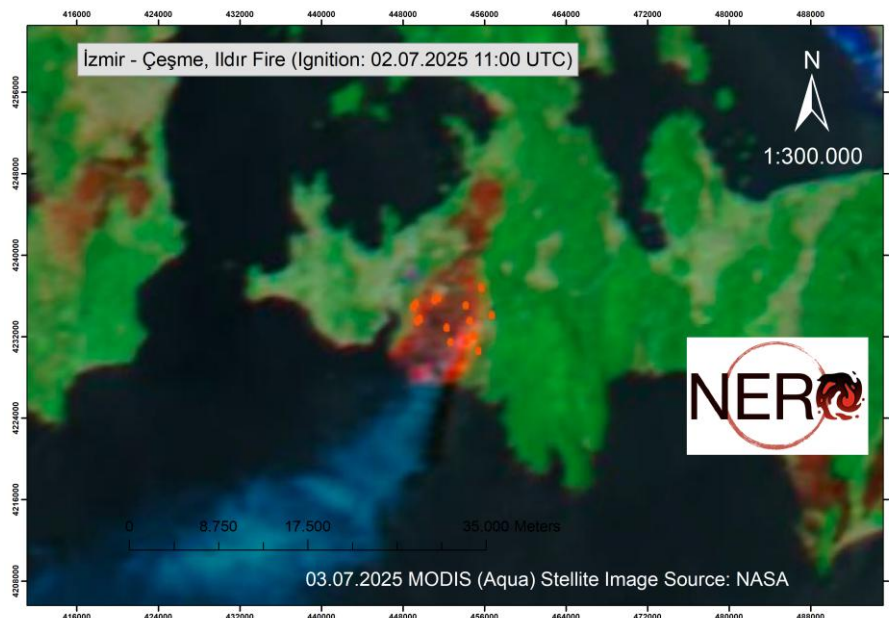


Figure 3. MODIS (Aqua) Corrected Reflectance image (Bands 7-2-1) for this fire (03.07.2025). Source: NASA

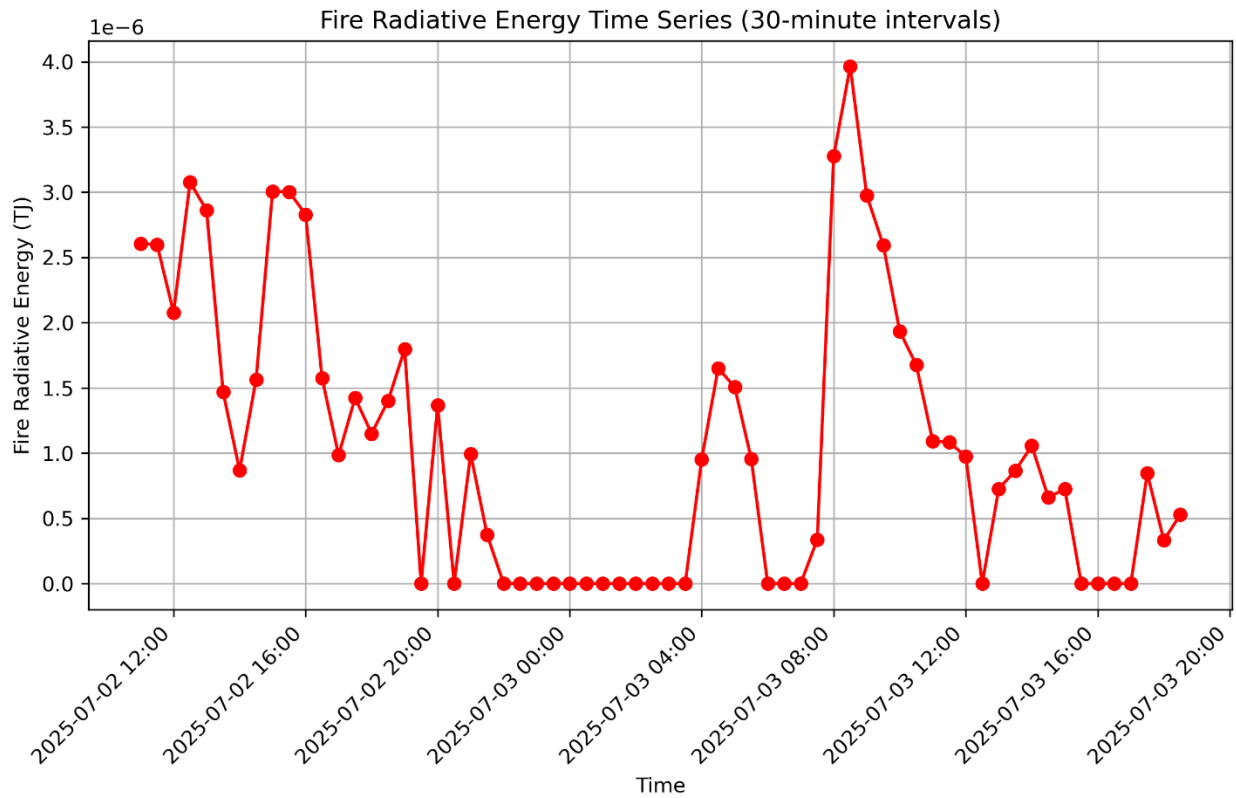


Figure 4. MSG SEVIRI Fire Radiative Energy diagram of the Çeşme fire (Time-UTC), Source: EUMETSAT

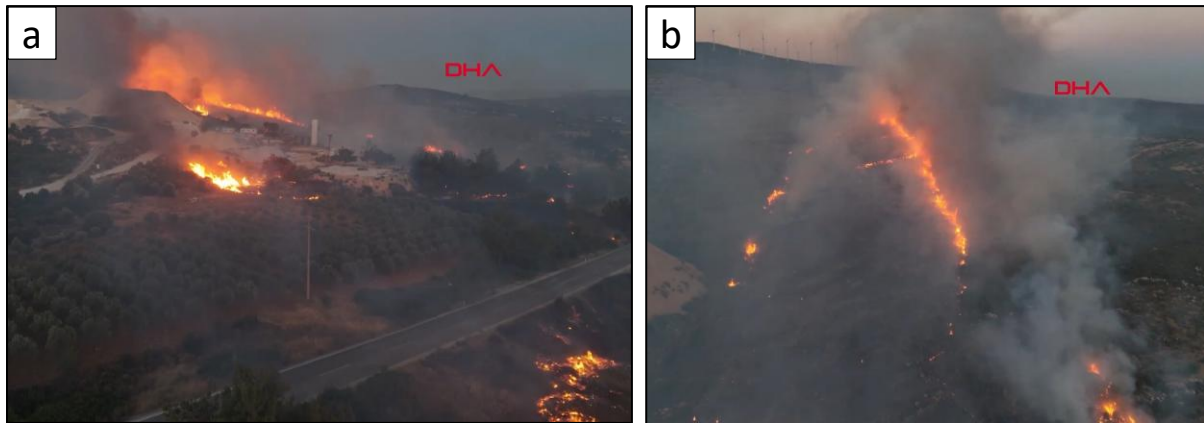


Figure 5. Many spot fires occurred during this wildfire, Source: DHA