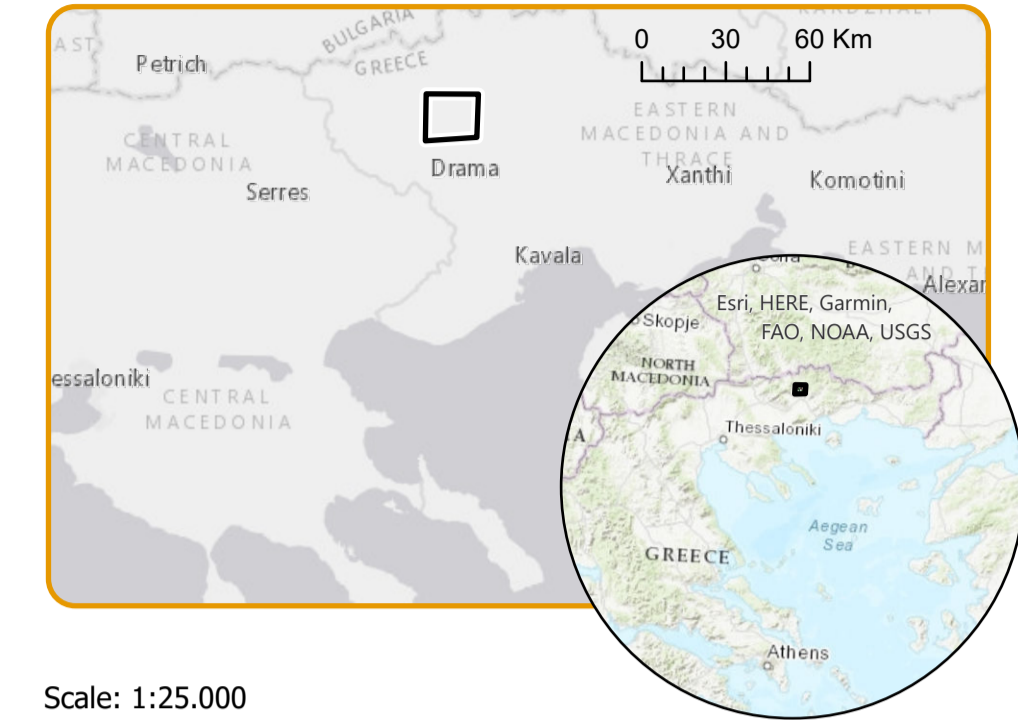


# EMSN200 - AOI01 Wildfire delineation and grading in East Macedonia and Thrace, Greece

## P01 - Wildfire delineation and grading

### Map Overview



Full color A1, 200 dpi resolution  
Measured grid: WGS 1984 UTM Zone 35N, Graticule: GCS WGS 1984

### Legend

- P01 - Fire Delineation**
  - Fire Delineation
- General Information**
  - Area of Interest
- Settlements**
  - Populated Areas
- Fire Grading**
  - Low severity
  - Moderate severity
  - High severity
  - Very high severity
- Protected Areas**
  - Wildlife Sanctuaries
  - Protected Areas NATURA2000
- Other Data**
  - Burn Scar Mapping (BSM)
- Hydrology**
  - Waterways
- Transportation**
  - Major roads
  - Minor roads
  - Paths unsuitable for cars
  - Very small roads

**Activation reason:**  
Risk and Recovery Mapping is activated to support the General Secretariat for Civil Protection of Greece and local authorities (Forest Service, Regional authorities and municipalities) for the recovery and restoration planning of the affected area, after the wildfire that occurred between July 17th and July 23rd, 2024.

This overview map shows information on the extent and severity of the wildfire within the specified area of interest. To achieve it, data from the Sentinel-2 satellite were used to map the burned areas and assess the fire using specific burn area indices. A high thematic accuracy was achieved, following the Quality Control methodology described in the Final Report.

**Data sources and analysis:**  
Main input for burned area delineation and grading are recent Sentinel-2 scenes. Tile: T35TKF. Pre-Event Sentinel-2 composite. Acquisition date: 16/07/2024. Post-Event Sentinel-2 composite. Acquisition date: 28/07/2024. Supporting information to summarize affected areas, pre-existing Land Use Land Cover (provided by Authorised User) has been implemented.

Multispectral Sentinel-2 images closest to the date of the fire were used to automatically delineate the perimeter. Subsequently, using thresholding techniques of dNBR and dNDVI indices, the burned area has been segmented based on the damage severity.

Background inside AOI: RGB Composite from acquired post-event Sentinel-2 imagery  
Background outside AOI: ESRI Basemap (Esri, TomTom, Garmin, Foursquare, FAO, METINASA, USGS, Maxar)

### Disclaimer

Products elaborated in this Copernicus EMS Risk and Recovery Mapping activation are realized to the best of our ability, optimizing the available data and information. All geographic information has limitations due to scale, resolution, date and interpretation of the original sources. No liability concerning the contents or the use thereof is assumed by the producer and by the European Union.

Delivery formats are PDF and vector (ESRI File GDB).  
Map produced by NOA-IDCOM-NTUA

Details of this activation and service conditions available through the QR code or at the website:  
<https://riskandrecovery.emergency.copernicus.eu/EMSN200/>

