

EMSR686 - AOI01

Wildfire in Greece

ARISTINO

Situation as of 20/08/2023 08:56 UTC

Delineation - Overview map 01



Active Flames 25 No.

Fire Fronts 7.6 km

Burnt area 5,040.8 ha

Potentially affected population

~ Not available

Potentially Affected Built-up and Transportations

Railway

4.6 km

Road

125.0 km

Built-Up

4.3 ha

- Crisis Information

Active Flames

Fire Fronts

Burnt area

Area of Interest

Detail map

Image Footprint

Not Analysed

Administrative boundaries

International Boundary

Municipality

Placenames

Placename

Built-Up Area

Residential

Non residential

School, university and research buildings

Hospital or institutional care buildings

Military
- Hydrography

Coastline

River

Stream

Lake

Land Subject to Inundation

Open Water

River

Facilities

Long-distance pipelines or lines

Dam

Power plant

Sport and recreation constructions

Dam

Transportation

Highway

Main road










Local road

Track

Railway

Airfield runway

Airfield

	Current		Forecast	
	20 August 08:56 UTC		21 August 08:56 UTC	22 August 08:56 UTC
Wind direction and speed	 31 km/h		 26 km/h	 24 km/h
Temperature and relative Humidity	 26°  50%		 29°  30%	 29°  30%

Data retrieved from ECMWF on August 20, 08:56 UTC. Calculated at: 40.873°N, 25.998°E.

Event:
A wildfire that started on Saturday, the 19th of August early in the morning (04:49 local time) in a forest area near Aristino village (East Macedonia and Thrace Region) is ongoing.
Residents of the villages Aristino, Loutras, Agnadia, Antheia and Doriko were ordered to evacuate.
Copernicus EMS Rapid Mapping is requested to provide fire extent and damage assessment emergency mapping.

Data sources and analysis:
Pre-event image: Sentinel-2A/B (2023) (acquired on 29/07/2023 at 09:05 UTC, resolution 10 m).
Post-event image: Sentinel-2A/B (2023) (acquired on 20/08/2023 at 08:56 UTC, resolution 10 m). This image was used as background image.
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Base vector layers: OpenStreetMap © OpenStreetMap contributors (2023), Wikimapia.org, GeoNames 2015, Corine Land Cover (CLC) 2018, EuroBoundaryMap 2017 © EuroGeographics,

Inset maps: JRC 2013, GISCO 2010 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2023 https://ghsl.jrc.ec.europa.eu/ghs_pop2023.php

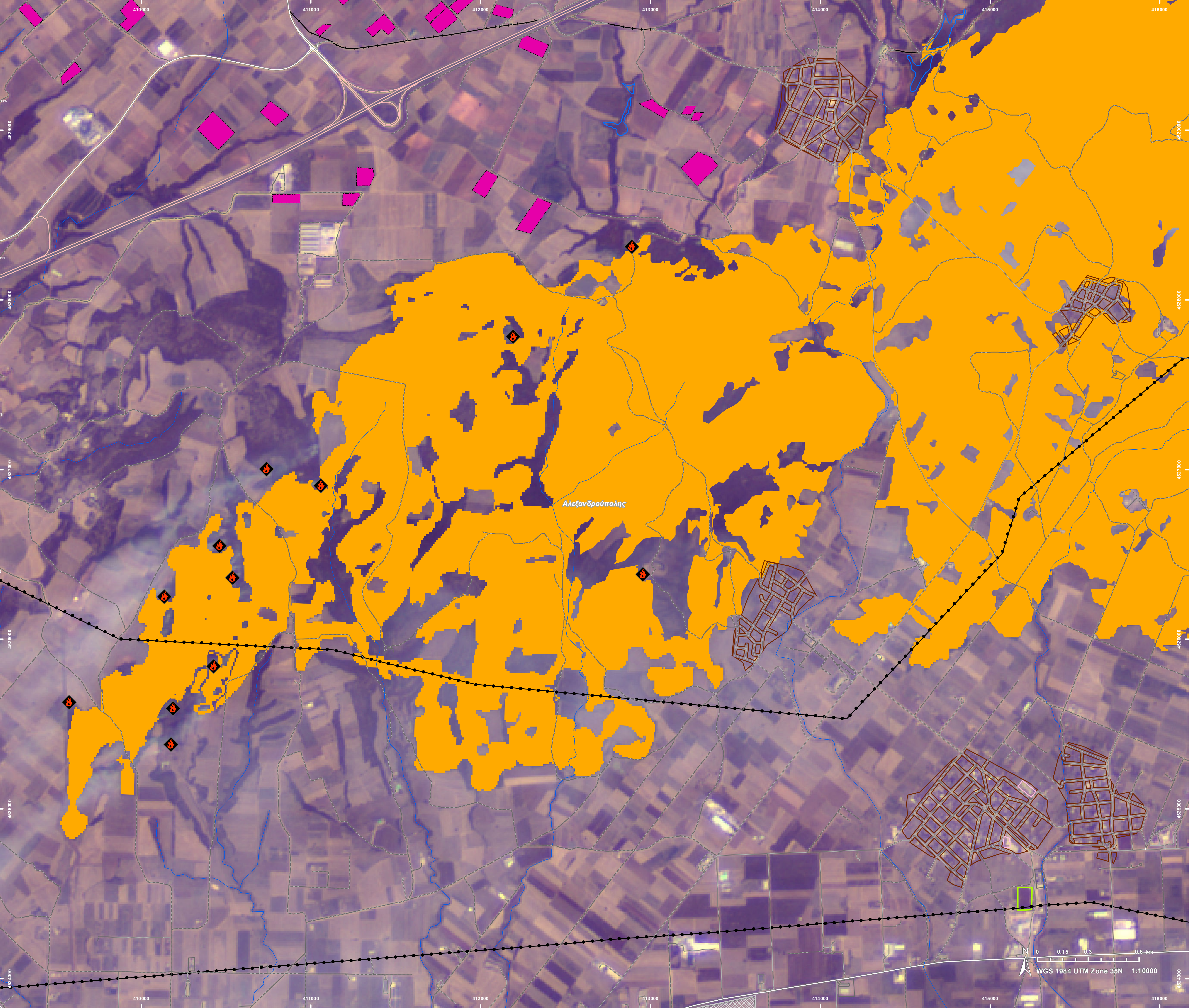
The thematic layer has been derived from post-event satellite image using a semi-automatic approach and by means of visual interpretation. Due to dense smoke, the burnt area delineation is not complete.

Disclaimer: Full disclaimer and other helpful information available in the online manual:
<https://emergency.copernicus.eu/mapping/ems/online-manual-rapid-mapping-products>.

Map produced by GAF AG released by e-GEOS on the 21/08/2023.

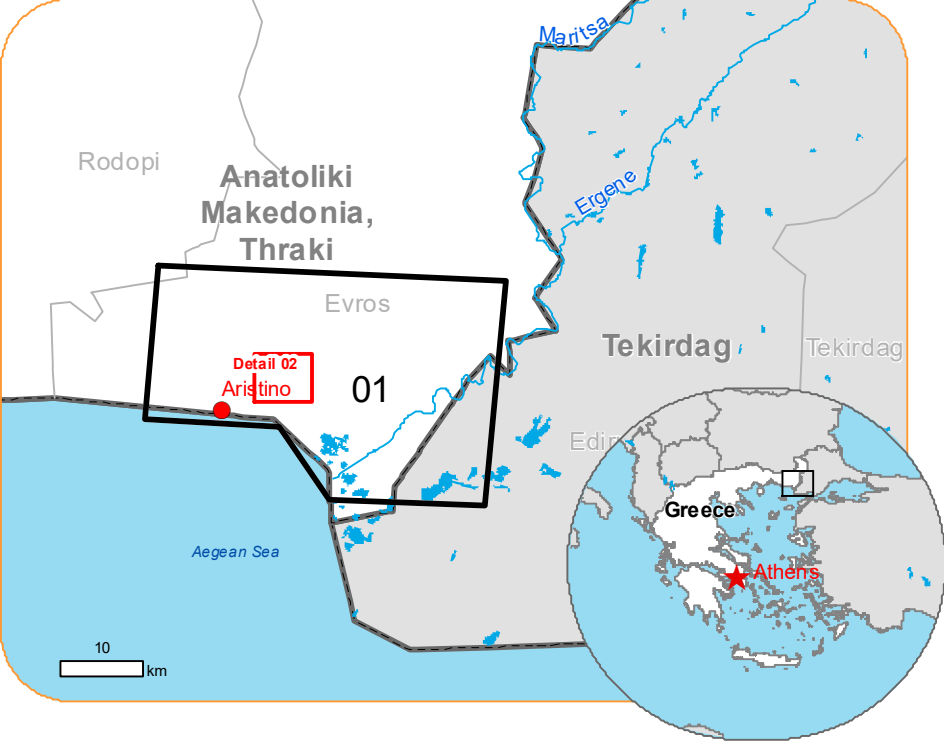
Details on this activation and service conditions available through the QR code or at the link:
<https://rapidmapping.emergency.copernicus.eu/EMSR686>





EMSR686 - AOI01
Wildfire in Greece
ARISTINO

Situation as of 20/08/2023 08:56 UTC
Delineation - Detail map 02



Active Flames 12 No.
(48% of total in AOI)
Burnt area 1,318.1 ha
(26.1% of total in AOI)

Potentially affected population
~ 70

Potentially Affected Built-up and Transportations

Railway 4.6 km
(100% of total in AOI)

Road 35.8 km
(28.6% of total in AOI)

Built-Up 2.5 ha
(58.1% of total in AOI)

- Crisis Information**
- Active Flames
 - Burnt area
- General Information**
- Area of Interest
 - Not Analysed
- Built-Up Area**
- Residential
 - Non residential
 - School, university and research buildings
- Hydrography**
- Coastline
 - Stream
 - Lake
 - Open Water
 - River
- Facilities**
- Long-distance pipelines or lines
 - Power plant
 - Sport and recreation constructions
- Transportation**
- Highway
 - Main road
 - Local road
 - Track
 - Railway
 - Airfield

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Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Burnt area		ha		5,040.8
Active Flames		No.		25
Fire Fronts		km		7.6
Estimated population	Number of inhabitants		NA	~ 64000
Built-up	Residential Buildings	ha	4.1	841.1
	Office buildings	ha	0.0	0.9
	Wholesale and retail trade buildings	ha	0.0	2.8
	Industrial buildings	ha	0.0	225.8
	School, university and research buildings	ha	0.0	17.9
	Hospital or institutional care buildings	ha	0.0	13.7
	Military	ha	0.0	260.6
	Cemetery	ha	0.2	14.3
Transportation	Airfield runways	ha	0.0	160.9
	Airfield runways	km	0.0	4.1
	Highways	km	13.4	110.4
	Primary Road	km	0.0	64.5
	Secondary Road	km	0.0	75.0
	Local Road	km	18.7	709.8
	Cart Track	km	92.8	2,107.6
	Long-distance railways	km	4.6	96.7
Facilities	Dams	ha	0.0	0.4
	Power plant constructions	ha	0.3	91.7
	Sport and recreation constructions	ha	0.0	44.0
	Long-distance pipelines, communication and electricity lines	km	18.6	115.9
	Dams	km	0.0	0.4
Land use	Shrub and/or herbaceous vegetation association	ha	2,269.6	19,983.2
	Arable land	ha	1,126.0	36,920.3
	Forests	ha	874.7	14,612.5
	Heterogeneous agricultural areas	ha	674.5	7,921.8
	Other	ha	91.7	10,505.3
	Pastures	ha	4.3	1,324.4
	Open spaces with little or no vegetation	ha	0.0	249.2
	Inland wetlands	ha	0.0	3,717.6
	Coastal wetlands	ha	0.0	3,318.8
	Permanent crops	ha	0.0	750.9

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Data access:

All data displayed on the map(s), as well as Land Use - Land Cover layer(s), are available in the Crisis Information Package and the Base Layer Package (for reference data).

The table above is available in editable format in the Crisis Information Package.

All products and data are also available for download on the portal.

Access to
the portal



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