



EMSR686 - AOI01
Wildfire in Greece
ARISTINO

Situation as of 26/08/2023 09:04 UTC
Delineation MONIT05 - Overview map 01





Active Flames 120 No.
Fire Fronts 2.6 km
Burnt area 77066.2 ha



Potentially affected population
~ 2500

Potentially Affected Built-up and Transportations



Railway
36.2 km



Road
1,614.2 km



Built-Up
73.2 ha

Crisis Information

- Active Flames
- Fire Fronts
- Burnt area
- Previous burnt area (EMSR605) (27/07/2022 08:20 UTC)

General Information

- Area of Interest
- Image Footprint
- Not Analysed

Administrative boundaries

- Municipality

Placenames

- Placename

Built-Up Area

- Residential
- Non residential
- School, university and research buildings
- Hospital or institutional care buildings
- Military

Hydrography










- Lake
- Land Subject to Inundation
- Reservoir
- River

Facilities

- Long-distance pipelines or lines
- Local pipelines or lines
- Dam
- Power plant
- Sport and recreation constructions
- Dam

Transportation

- Highway
- Main road
- Local road
- Track
- Railway
- Airfield runway
- Airfield
- Helipad

	Current		Forecast	
	26 August 09:04 UTC	27 August 09:04 UTC	28 August 09:04 UTC	28 August 09:04 UTC
Wind direction and speed	 16 km/h	 16 km/h	 12 km/h	
Temperature and relative Humidity	 26°  45%	 24°  65%	 23°  68%	

Data retrieved from ECMWF on August 26, 15:00 UTC. Calculated at: 41.141°N, 26.164°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, Loutros, 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).
SPOT6/7 © Airbus DS (2022), (acquired on 27/07/2022 at 08:44 UTC, resolution 1.5 m).
Post-event image: WorldView-3 © Maxar Technologies, Inc. (2023), (acquired on 26/08/2023 at 09:04 UTC, resolution 2.0 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,

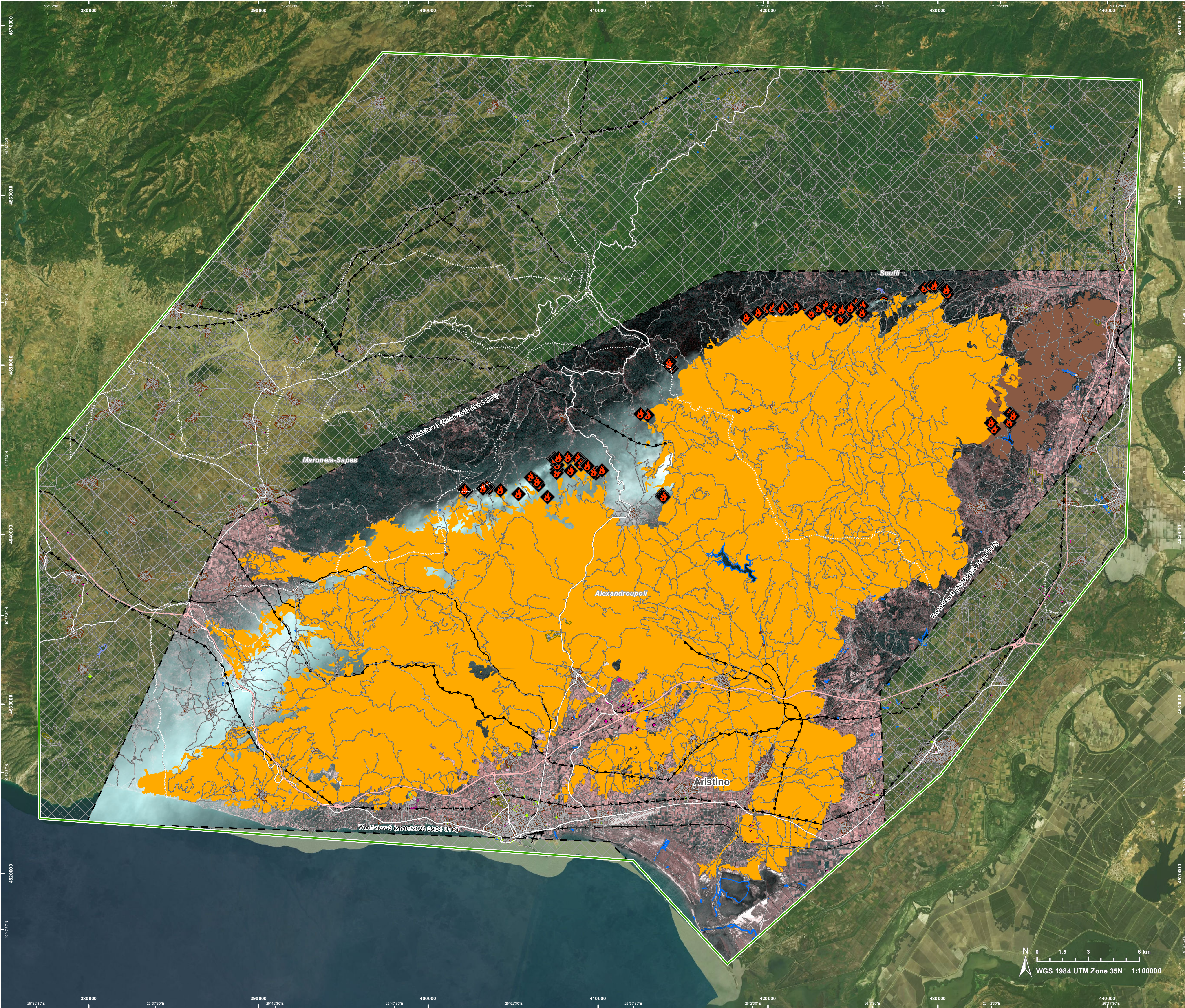
Inset maps: JRC 2013, GISCO 2010 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2015.

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 by means of visual interpretation. Due to dense smoke, the burnt area delineation is not complete. The current burnt area cumulates all burnt area extents from previous post-event products.

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 SERTIT released by e-GEOS on the 26/08/2023.
Details on this activation and service conditions available through the QR code or at the link:
<https://rapidmapping.emergency.copernicus.eu/EMSR686/download>



Consequences within the AOI				
	Unit of measurement		Affected	Total in AOI
Burnt area	ha			77 066.2
Active Flames	No.			120
Fire Fronts	km			2.6
Estimated population	Number of inhabitants		~ 2 500	~ 95 000
Built-up	Residential Buildings	ha	31.5	2 105.0
	Office buildings	ha	0.0	0.9
	Wholesale and retail trade buildings	ha	0.0	2.8
	Industrial buildings	ha	12.0	264.4
	School, university and research buildings	ha	0.3	18.8
	Hospital or institutional care buildings	ha	0.0	13.7
	Military	ha	28.8	505.5
	Cemetery	ha	0.7	24.3
Transportation	Airfield runways	ha	0.0	160.9
	Helipad	ha	0.0	0.2
	Airfield runways	km	0.0	3.3
	Highways	km	43.7	192.3
	Primary Road	km	11.0	99.8
	Secondary Road	km	17.0	184.1
	Local Road	km	167.2	1 630.4
	Cart Track	km	1 375.3	4 523.9
Facilities	Long-distance railways	km	36.2	126.1
	Dams	ha	0.0	0.1
	Power plant constructions	ha	22.4	112.6
	Sport and recreation constructions	ha	0.0	51.7
	Long-distance pipelines, communication and electricity lines	km	57.0	319.5
	Local pipelines and cables	km	0.0	0.4
Land use	Dams	km	0.3	0.5
	Forests	ha	32 225.5	92 197.5
	Shrub and/or herbaceous vegetation association	ha	29 604.7	72 104.1
	Heterogeneous agricultural areas	ha	7 410.2	24 999.9
	Arable land	ha	5 762.2	55 779.1
	Permanent crops	ha	843.9	1 910.7
	Other	ha	853.1	11 654.0
	Pastures	ha	273.8	1 556.9
	Coastal wetlands	ha	66.2	1 557.2
	Open spaces with little or no vegetation	ha	26.5	768.3
	Inland wetlands	ha	0.0	39.1

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<https://emergency.copernicus.eu/mapping/ems/online-manual-rapid-mapping-products>

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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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