



EMSR686 - AO101
Wildfire in Greece
ARISTINO

Situation as of 24/08/2023 08:44 UTC
Delineation MONIT03 - Overview map 01



Active Flames 81 No.
Fire Fronts 0.9 km
Burnt area 73,526.5 ha



Potentially affected population
~ 2500

Potentially Affected Built-up and Transportations



Railway
36.2 km



Road
1,557.8 km



Built-Up
72.8 ha

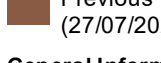
Crisis Information



Active Flames



Fire Fronts



Burnt area



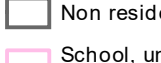
Area of Interest



Image Footprint



Not Analysed



Administrative boundaries



Built-Up Area



Non residential



School, university and research buildings

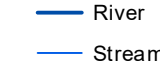


Hospital or institutional care buildings



Military

Hydrography



River



Stream



Lake



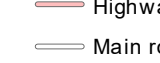
Land Subject to Inundation



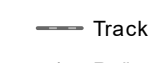
Reservoir



River



Long-distance pipelines or lines



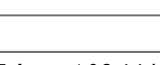
Local pipelines or lines



Dam



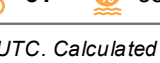
Power plant



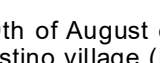
Sport and recreation constructions



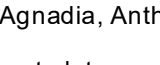
Dam



Transportation



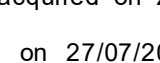
Highway



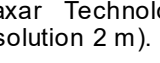
Main road



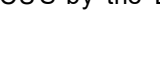
Local road



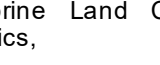
Track



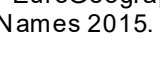
Railway



Airfield runway



Airfield



Helipad

	Current		Forecast	
	24 August 08:44 UTC	25 August 08:44 UTC	26 August 08:44 UTC	27 August 08:44 UTC
Wind direction and speed	20 km/h	18 km/h	25 km/h	25 km/h
Temperature and relative humidity	32° 36%	31° 38%	30° 40%	30° 40%

Data retrieved from ECMWF on August 24, 08:44 UTC. Calculated at: 40.87194°N, 25.99750°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 © Airbus DS (2022), (acquired on 27/07/2022 at 08:20 UTC, resolution 1.5 m).
Post-event image: WorldView-2 © Maxar Technologies, Inc. (2023), (acquired on 24/08/2023 at 08:44 UTC, resolution 2 m).
This image is 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 GAF AG released by e-GEOS on the 25/08/2023.

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



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Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Burnt area		ha		73,526.5
Active Flames		No.		81
Fire Fronts		km		0.9
Estimated population		Number of inhabitants	~ 2,500	~ 95,000
Built-up	Residential Buildings	ha	31.2	2,105.0
	Office buildings	ha	0.0	0.9
	Wholesale and retail trade buildings	ha	0.0	2.8
	Industrial buildings	ha	11.9	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	43.5	192.3
	Primary Road	km	10.8	99.8
	Secondary Road	km	16.5	184.1
	Local Road	km	166.4	1,630.4
	Cart Track	km	1,320.7	4,523.9
Facilities	Long-distance railways	km	36.2	126.1
	Dams	ha	0.0	0.1
	Power plant constructions	ha	22.0	112.6
	Sport and recreation constructions	ha	0.0	51.7
	Long-distance pipelines, communication and electricity lines	km	56.8	319.5
	Local pipelines and cables	km	0.0	0.4
Land use	Dams	km	0.3	0.5
	Forests	ha	29,698.5	92,197.5
	Shrub and/or herbaceous vegetation association	ha	28,849.8	72,104.1
	Heterogeneous agricultural areas	ha	7,245.7	24,999.9
	Arable land	ha	5,706.8	55,779.1
	Permanent crops	ha	841.7	1,910.7
	Other	ha	818.6	11,654.0
	Pastures	ha	269.0	1,556.9
	Coastal wetlands	ha	64.0	1,557.2
	Open spaces with little or no vegetation	ha	7.6	768.3
	Inland wetlands	ha	0.0	39.1

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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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