



EMSR686 - AOI01
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 77,261.6 ha



Potentially affected population
~ 2600

Potentially Affected Built-up and Transportations



Railway
36.2 km



Road
1,615.4 km

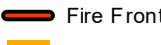


Built-Up
86.9 ha

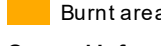
Crisis Information



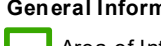
Active Flames



Fire Fronts



Burnt area



Area of Interest

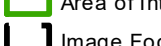
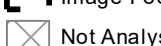


Image Footprint



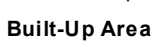
Not Analysed



Administrative boundaries



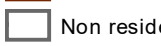
Municipality



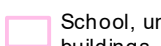
Built-Up Area



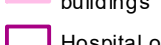
Residential



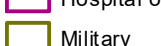
Non residential



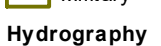
School, university and research buildings



Hospital or institutional care buildings



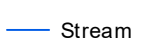
Military



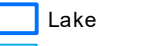
Hydrography



River



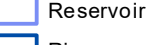
Stream



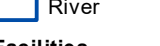
Lake



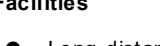
Land Subject to Inundation



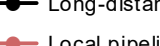
Reservoir



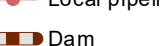
River



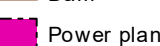
Facilities



Long-distance pipelines or lines



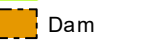
Local pipelines or lines



Dam



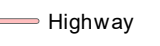
Power plant



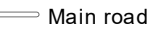
Sport and recreation constructions



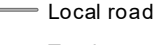
Dam



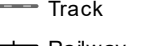
Transportation



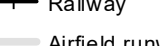
Highway



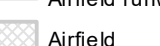
Main road



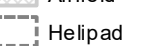
Local road



Track



Railway



Airfield runway



Airfield



Helipad

	Current		Forecast	
	24 August 08:44 UTC	25 August 08:44 UTC	26 August 08:44 UTC	
Wind direction and speed	20 km/h	18 km/h	25 km/h	
Temperature and relative humidity	32° 36%	31° 38%	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).
Post-event image: WorldView-2 © Maxar Technologies, Inc. (2023), (acquired on 24/08/2023 at 08:44 UTC, resolution 2 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 GAF AG released by e-GEOS on the 24/08/2023.
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			77,261.6
Active Flames	No.			81
Fire Fronts	km			0.9
Estimated population	Number of inhabitants		~ 2,600	~ 95,000
Built-up	Residential Buildings	ha	33.9	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	40.2	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	46.2	192.3
	Primary Road	km	10.8	99.8
	Secondary Road	km	18.2	184.1
	Local Road	km	167.2	1,630.4
	Cart Track	km	1,373.0	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	0.4	0.5
	Forests	ha	31,805.4	92,197.5
	Shrub and/or herbaceous vegetation association	ha	30,306.0	72,104.1
	Heterogeneous agricultural areas	ha	7,263.7	24,999.9
	Arable land	ha	5,762.7	55,779.1
	Permanent crops	ha	842.2	1,910.7
	Other	ha	823.7	11,654.0
	Pastures	ha	361.3	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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<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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