



EMSR686 - AOI01
Wildfire in Greece
ARISTINO

Situation as of 23/08/2023 09:19 UTC
Delineation MONIT02 - Overview map 01



Active Flames 40 No
Fire Fronts 13.6 km
Burnt area 67,692.8 ha



Potentially affected population
~ 2400

Potentially Affected Built-up and Transportations



Railway
32.6 km



Road
1,423.9 km



Built-Up
70.6 ha

Crisis Information



Active Flames



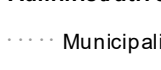
Fire Fronts



Burnt area



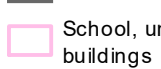
Previous burnt area (EMSR605)
(27/07/2022 08:20 UTC)



Area of Interest



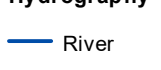
Municipality



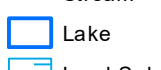
Residential



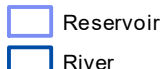
Non residential



School, university and research buildings



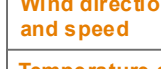
Hospital or institutional care buildings



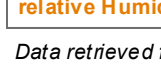
Military



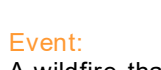
Hydrography



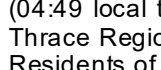
River



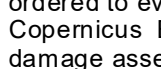
Stream



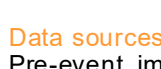
Lake



Land Subject to Inundation



Reservoir



River

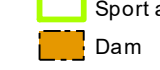
Facilities



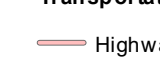
Long-distance pipelines or lines



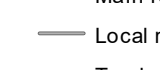
Local pipelines or lines



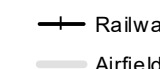
Dam



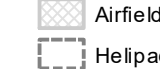
Power plant



Sport and recreation constructions



Dam



Transportation



Highway



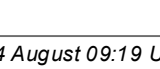
Main road



Local road



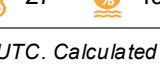
Track



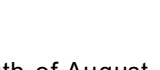
Railway



Airfield runway



Airfield



Helipad

	Current		Forecast	
	23 August 09:19 UTC	24 August 09:19 UTC	24 August 09:25 UTC	25 August 09:25 UTC
Wind direction and speed	24 km/h	15 km/h	19 km/h	
Temperature and relative Humidity	28° 51%	27° 49%	30° 45%	

Data retrieved from ECMWF on August 23, 09:19 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).
SPT6 © 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 23/08/2023 at 09:19 UTC, resolution 2.0 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		67,692.8
Active Flames		No.		40
Fire Fronts		km		13.6
Estimated population		Number of inhabitants	~ 2,400	~ 95,000
Built-up	Residential Buildings	ha	29.1	2,105.0
	Office buildings	ha	0.0	0.9
	Wholesale and retail trade buildings	ha	0.0	2.8
	Industrial buildings	ha	11.7	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	41.3	192.3
	Primary Road	km	10.6	99.8
	Secondary Road	km	15.9	184.1
	Local Road	km	142.5	1,630.4
	Cart Track	km	1,213.7	4,523.9
Facilities	Long-distance railways	km	32.6	126.1
	Dams	ha	0.0	0.1
	Power plant constructions	ha	21.9	112.6
	Sport and recreation constructions	ha	0.0	51.7
	Long-distance pipelines, communication and electricity lines	km	54.7	319.5
	Local pipelines and cables	km	0.0	0.4
Land use	Dams	km	0.3	0.5
	Forests	ha	27,506.6	92,197.5
	Shrub and/or herbaceous vegetation association	ha	26,205.5	72,104.1
	Heterogeneous agricultural areas	ha	6,821.7	24,999.9
	Arable land	ha	5,190.1	55,779.1
	Permanent crops	ha	836.8	1,910.7
	Other	ha	781.2	11,654.0
	Pastures	ha	263.0	1,556.9
	Coastal wetlands	ha	63.8	1,557.2
	Open spaces with little or no vegetation	ha	0.0	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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