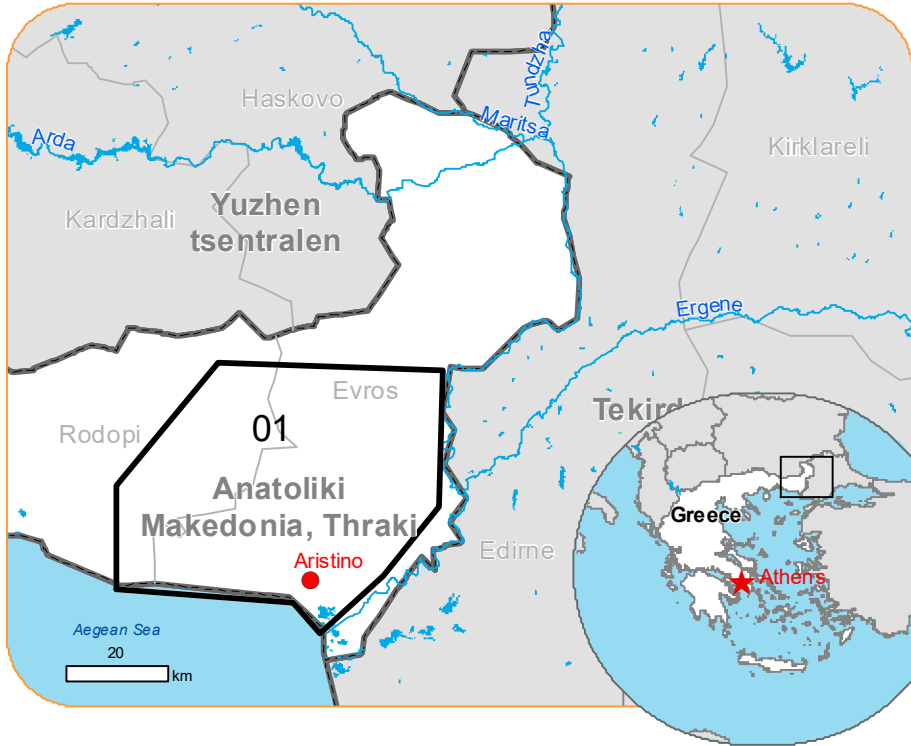




EMSR686 - AOI01
Wildfire in Greece
ARISTINO

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 72,344.5 ha



Potentially affected population
~ 3100

Potentially Affected Built-up and Transportations



Railway
33.1 km



Road
1,500.6 km



Built-Up
103.3 ha

Crisis Information



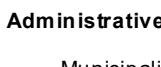
Active Flames



Fire Fronts



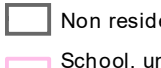
Burnt area



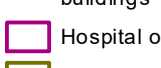
Area of Interest



Municipality



Residential



Non residential



School, university and research buildings



Hospital or institutional care buildings



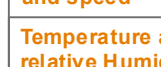
Military



Coastline



River



Stream



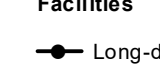
Lake



Land Subject to Inundation



Open Water



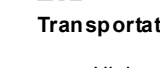
Reservoir



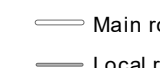
River



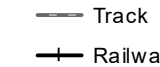
Dam



Power plant



Sport and recreation constructions



Dam



Highway



Main road



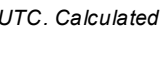
Local road



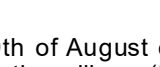
Track



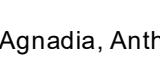
Railway



Airfield runway



Airfield



Helipad

	Current	Forecast
Wind direction and speed	23 August 09:19 UTC 24 km/h	24 August 09:19 UTC 15 km/h 25 August 09:25 UTC 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).
Post-event image: WorldView-2 © Maxar Technologies, Inc. (2023), (acquired on 23/08/2023 at 09:19 UTC, resolution 2.0 m). This image was used as background image.
All images are provided under COPENICUS by the European Union and ESA, all rights reserved.

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 23/08/2023.
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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European eyes on Earth

Consequences within the AOI				
	Unit of measurement		Affected	Total in AOI
Burnt area	ha			72,344.5
Active Flames	No.			40
Fire Fronts	km			13.6
Estimated population	Number of inhabitants		~ 3,100	~ 95,000
Built-up	Residential Buildings	ha	49.2	2,105.0
	Office buildings	ha	0.0	0.9
	Wholesale and retail trade buildings	ha	0.0	2.8
	Industrial buildings	ha	12.5	264.4
	School, university and research buildings	ha	0.3	18.8
	Hospital or institutional care buildings	ha	0.5	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	47.3	192.3
	Primary Road	km	11.9	99.8
	Secondary Road	km	18.8	184.1
	Local Road	km	151.7	1,630.4
	Cart Track	km	1,270.9	4,523.9
Facilities	Long-distance railways	km	33.1	126.1
	Dams	ha	0.0	0.1
	Power plant constructions	ha	26.0	112.6
	Sport and recreation constructions	ha	1.9	51.7
	Long-distance pipelines, communication and electricity lines	km	56.5	319.5
	Local pipelines and cables	km	0.0	0.4
Land use	Dams	km	0.4	0.5
	Forests	ha	29,538.9	92,197.5
	Shrub and/or herbaceous vegetation association	ha	28,024.6	72,104.1
	Heterogeneous agricultural areas	ha	7,013.2	24,999.9
	Arable land	ha	5,386.8	55,779.1
	Other	ha	1,011.1	11,654.0
	Permanent crops	ha	924.3	1,910.7
	Pastures	ha	357.3	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

Disclaimer:

Full disclaimer and other helpful information available in the online manual:

<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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