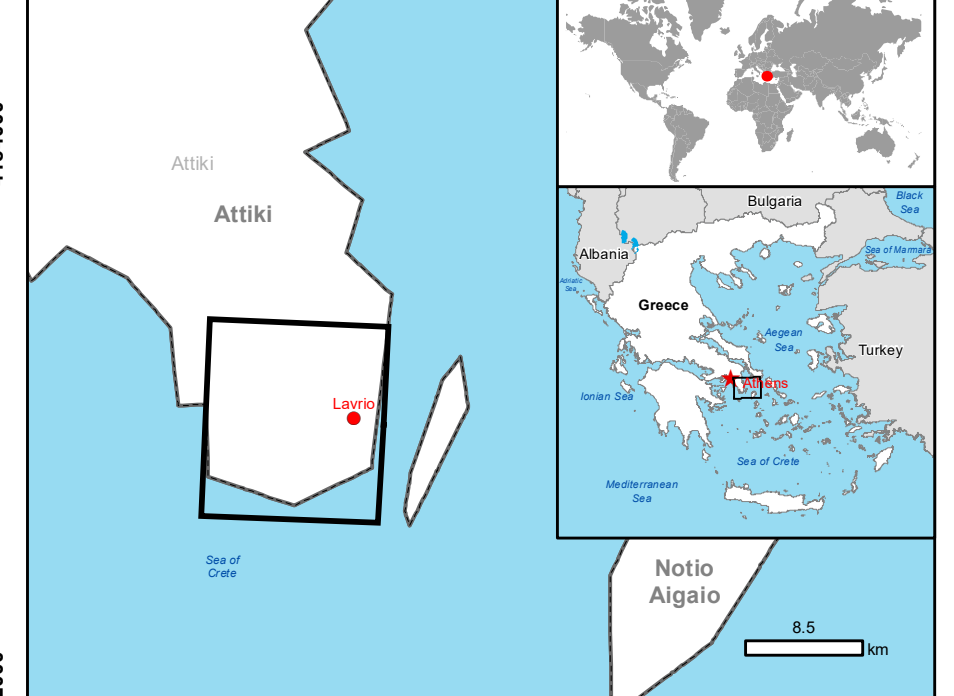


Lavrio - GREECE

Wildfire - Situation as of 19/08/2021

Grading - Overview map 01



Cartographic Information

1:27500 Full color A1, 200 dpi resolution

0 0.5 1 2 km

Grid: WGS 1984 UTM Zone 35N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

Crisis information
Built Up Grading
Damaged
Possibly damaged
Transportation Grading
Highway, No visible damage
Primary Road, No visible damage
Secondary Road, No visible damage
Local Road, No visible damage
Cart Track, No visible damage
Long-distance railway, No visible damage
Land Use-Cover Grading
Destroyed
Damaged
Possibly damaged

General information
Area of Interest
Detail map
Administrative boundaries
Municipality
Placenames
Placename
Hydrography
Coastline
River
Stream
Land Use
Lake
Open Water
Physiography & Land Use - Land Cover
Features available in the vector package

Consequences within the AOI		Unit of measurement		Destroyed	Damaged	Possibly damaged	Total	Total in AOI
Burst area		Number of inhabitants		19	19	19	531.17	531.17
Built-up		Residential Buildings		0.0	0.4	2.0	2.4	2.4
Transportation		Highways		0.0	0.0	0.0	0.0	13.5
		Primary Road		0.0	0.0	0.0	0.0	187.7
		Secondary Road		0.0	0.0	0.0	0.0	24.2
		Local Road		0.0	0.0	0.0	0.0	470.7
		Cart track		0.0	0.0	0.0	0.0	484.4
		Long-distance railways		0.0	0.0	0.0	0.0	7.5
Land use		Permanent crops		0.0	0.0	0.0	0.0	273.4
		Pastures		0.0	0.0	0.0	0.0	200.1
		Heterogeneous agricultural areas		1.2	114.8	5.3	121.2	3,465.0
		Forests		193.3	3.1	122.4	328.8	2,988.9
		Shrub and/or herbaceous vegetation association		5.6	271.8	3.6	281.0	4,607.2
		Open spaces with little or no vegetation		0.0	0.0	0.0	0.0	192.2
		Other		0.0	2.6	0.5	3.1	6,993.7

* Presence of damage proves and proximity with destroyed/damaged asset
** Sum of Destroyed, Damaged and Possibly damaged

Map Information

A wildfire has been raging from Monday noon (17/08/2021) at Lavrio, in Eastern Attica, Greece, burning forests, rural and urban areas. The strong wind and high flammability of forest fuels due to prolonged drought, make the work of firefighters very difficult. The residential communities of Αγios Konstantinos, Synterina and Markali have been evacuated for precautionary reasons. Copernicus EMS Rapid Mapping is asked to provide First Estimate, Delineation and Grading Products.

The present map shows the damage grade assessment in the area of Lavrio (Greece). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The scale of analysis is 1:25000. The estimated geometric accuracy (RMSE) is 6.25 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 525 sq m.

Relevant date records (UTC)

Event	16/08/2021 07:26	Situation as of	19/08/2021 08:53
Activation	16/08/2021 10:26	Map production	19/08/2021

Data sources

Pre-event image: SPOT7 © Airbus DS (2021), (acquired on 14/05/2020 at 08:58 UTC, GSD 1.5 m, approx. 0% cloud coverage in AoI, 16.3° off-nadir angle), provided under Copernicus by the European Union and ESA, all rights reserved.
Post-event image: SPOT6 © Airbus DS (2021), (acquired on 19/08/2021 at 08:53 UTC, GSD 1.5 m, approx. 0% cloud coverage in AoI, 7.6° off-nadir angle), provided under Copernicus by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2021), Wikimapia.org, GeoNames 2015, EuroBoundaryMap 2017 © EuroGeographics, refined by the producer.
Inset maps: JRC 2013, GISC0 2010 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2019
https://ghsl.jrc.ec.europa.eu/ghs_pop2019.php
Digital Elevation Model: COP-DEM-EA-10-R product © DLR e.V. (2014-2019) and © Airbus Defence and Space GmbH (2020) provided under Copernicus by the European Union and ESA, all rights reserved.

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Delivery formats are Layered Geospatial PDF, GeoJPEG and vector (ESRI shapefiles, Google Earth KML, GeoJSON).

Map produced by GMV released by SERTIT (ODO).

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