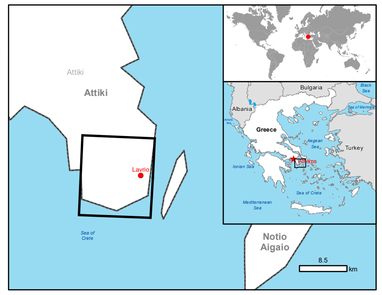
GLIDE number: N/A
Int. Charter Act. ID: N/A

Activation ID: EMSR542
Product N.: 01LAVRIO, v1

Lavrio - GREECE

Wildfire - Situation as of 18/08/2021

Delineation - 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

N

Legend

Crisis Information
- Burnt Area

General Information
- Area of Interest

Administrative boundaries
- Municipality

Placenames
- Placename

Hydrography
- Coastline
- River
- Stream
- Lake
- Open Water

Transportation
- Highway
- Primary Road
- Secondary Road
- Local Road
- Cart Track
- Long-distance railway
- Helipad

Physiography & Land Use - Land Cover
Features available in the vector package

Consequences within the AOI		Unit of measurement	Affected	Total in AOI
Burnt area		ha		508.5
Estimated population	Number of inhabitants		15	21,163
Transportation	Helipad	ha	0.0	0.1
	Highways	km	0.0	13.5
	Primary Road	km	6.7	187.7
	Secondary Road	km	0.0	24.2
	Local Road	km	0.6	470.7
	Cart Track	km	12.8	419.4
	Long-distance railways	km	0.0	7.3
Land use	Permanent crops	ha	0.0	273.4
	Pastures	ha	0.0	203.9
	Heterogeneous agricultural areas	ha	111.1	3,465.0
	Forests	ha	117.1	2,596.3
	Shrub and/or herbaceous vegetation association	ha	278.6	4,607.2
	Open spaces with little or no vegetation	ha	0.0	372.2
	Other	ha	1.7	6,993.7

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 Agios Konstantinos, Synterina and Markati 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 fire delineation 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 20 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 2500 sq m.

Relevant date records (UTC)

Event	16/08/2021 07:26	Situation as of	18/08/2021 09:05
Activation	16/08/2021 10:26	Map production	18/08/2021

Data sources

Pre-event image: Sentinel-2A (2021) (acquired on 24/07/2021 at 09:06 UTC, GSD 10 m, approx. 0% cloud coverage in AoI, 0° off-nadir angle) provided under COPERNICUS by the European Union and ESA.
Post-event image: Sentinel-2A (2021) (acquired on 18/08/2021 at 09:05 UTC, GSD 10 m, approx. 0% cloud coverage in AoI, 0° off-nadir angle) provided under COPERNICUS by the European Union and ESA.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2021), Wikimapia.org, GeoNames 2015, EuroBoundaryMap 2017 © EuroGeographics, refined by the producer.

Inset maps: JRC 2013, GISCO 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-EEA-10-R product © DLR e.V. (2014-2018) and © Airbus Defence and Space GmbH (2020) provided under COPERNICUS by the European Union and ESA, all rights reserved.

Disclaimer

Products elaborated in this Copernicus EMS Rapid Mapping activity are realized to the best of our ability, within a very short time frame, optimising the available data and information. All geographic information has limitations due to scale, resolution, date and interpretation of the original sources. No liability concerning the contents or the use thereof is assumed by the producer and by the European Union.

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

Map produced by GMV released by SERTIT (ODO).

For the latest version of this map and related products visit
https://emergency.copernicus.eu/EMSR542

jrc-ems-rapidmapping@ec.europa.eu

Copernicus Europe's eyes on Earth