



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

Activation ID: EMSR521
Product N.: 01SAMOS, v1

Samos - GREECE

Wildfire - Situation as of 16/07/2021

Delineation - Overview map 01



Cartographic Information

1:25000 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 | Placenames | Transportation |
|-----------------------------------|--------------|---|
| Active Flames | Primary Road | Secondary Road |
| Fire Fronts | Coastline | Local Road |
| Burnt Area (16/07/2021 06:55 UTC) | Stream | Cart Track |
| Area of Interest | Lake | Helipad |
| | Open Water | 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 | 359.6 | 359.6 |
| Active Flames | No. | | 14 | |
| Fire Fronts | km | | 0.9 | |
| Estimated population | Number of inhabitants | | 15 | 7,472 |
| Transportation | Helipad | ha | 0.0 | 0.0 |
| | Primary Road | km | 0.0 | 22.9 |
| | Secondary Road | km | 0.0 | 52.3 |
| | Local Road | km | 0.0 | 61.0 |
| | Cart Track | km | 7.1 | 380.9 |
| Land use | Arable land | ha | 0.0 | 201.3 |
| | Permanent crops | ha | 6.6 | 1,687.1 |
| | Pastures | ha | 0.0 | 29.2 |
| | Heterogeneous agricultural areas | ha | 54.4 | 4,179.8 |
| | Forests | ha | 35.6 | 3,180.3 |
| | Shrub and/or herbaceous vegetation association | ha | 263.1 | 5,788.7 |
| | Open spaces with little or no vegetation | ha | 0.0 | 441.1 |
| | Other | ha | 0.0 | 1,313.8 |

Map Information

A wildfire has raged from Thursday noon (15/07/2021) in the island of Samos, Greece, burning large areas of forest and rural areas. Fuel type and steep relief make the work of firefighters extremely difficult. Kokkari village and two hotels have been evacuated for precautionary reasons. A considerable firefighting effort is ongoing (16/07/2021). Copernicus EMS Mapping products will be used mainly by the fire service during firefighting operations and by local authorities (Forest Service, Regions of North Aegean and Municipalities) for recovery and restoration planning of the affected area. Copernicus EMS Rapid Mapping is requested to provide First Estimate, Delineation and Grading products.

The present map shows the fire delineation in the area of Samos (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 20.0 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 | 15/07/2021 13:42 | Situation as of | 16/07/2021 08:55 |
|------------|------------------|-----------------|------------------|
| Activation | 16/07/2021 07:57 | Map production | 16/07/2021 |

Data sources

Pre-event image: Sentinel-2A (2021) (acquired on 11/07/2021 at 08:56 UTC, GSD 10 m, approx. 0% cloud coverage in AOI) provided under COPERNICUS by the European Union and ESA.

Post-event image: Sentinel-2B (2021) (acquired on 16/07/2021 at 08:55 UTC, GSD 10 m, approx. 0% cloud coverage in AOI) provided under COPERNICUS by the European Union and ESA.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2021), 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, 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/EMSR521>

Jrc-ems-rapidmapping@ec.europa.eu
© European Union
For full Copyright notice visit <https://emergency.copernicus.eu/mapping/ems/cite-copernicus-ems-mapping-portal>