GLIDE number: 2023-000153

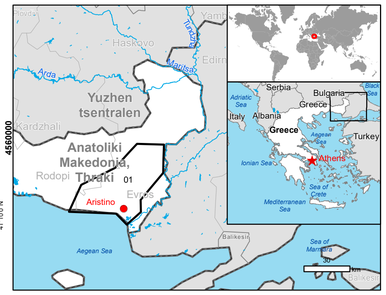
Activation ID: EMSN166

Product N: 01ARISTINO, P07, v1

Aristino - GREECE

Wildfire - Situation as of 03/10/2023

P07 - Wildfire delineation and grading (dNDVI approach)



Cartographic Information

1:100000

Full color A1, 300 dpi resolution

0 2.5 5 km

N

Grid: WGS 1984 UTM Zone 35N map coordinate system

Tick marks: WGS 84 geographical coordinate system

Legend

- Damage delineation
- **Damage Grading**
  - Destroyed
  - High damage
  - Moderate damage
  - Negligible to slight damage
- **General Information**
  - Area of Interest
  - Image Footprint
- **Placenames**
  - Placename
- **Buildings**
  - Residential
  - Other non-residential
- **Facilities**
  - Power plant construction
  - Sport and recreation constructions
  - Dam
- **Hydrography**
  - Stream
  - River
  - Reservoir
  - River
- **Transportation**
  - Highway
  - Primary Road
  - Secondary Road
  - Long-distance railway
  - Airfield runway

Consequences within the AOI

	Unit of measurement	Destroyed	High damage	Moderate damage	Negligible to slight damage	Total in AOI
Burnt area	ha	934.50	19720.10	31897.00	39769.40	92321.00

Map Information

A wildfire 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, Greece). Residents of the villages Aristino, Loutros, Agnadia, Antheia and Doriko were ordered to evacuate. Given the seriousness of the event, the Copernicus EMS Rapid Mapping service was activated to follow the evolution of the fire. According to the last product delivered in the EMSR686 activation, the fire is no longer active since September 08, 2023. The CEMS Risk and Recovery service was activated in order to provide an assessment of the damage after the forest fire in the area. The analysis confirmed that more than 92 000 hectares of burnt areas were detected.

The present map shows the wildfire delineation and grading in the area of Aristino (Greece). The thematic layer has been derived from post-event satellite image using a semi-automatic approach.
The estimated geometric accuracy (RMSE) is 6.25 m or better, from native positional accuracy of the background satellite image.
The assessed thematic accuracy value is 96.3%, assessed following the Quality Control methodology described in the Final Report (see https://emergency.copernicus.eu/EMSN166).

Relevant date records (UTC)

Event	19/08/2023 02:49	Situation as of	03/10/2023 08:41
Activation	24/08/2023	Map production	14/11/2023

Data sources

Pre-event image: Sentinel-2B (2023) (acquired on 19/07/2023 at 09:05 UTC, GSD 10 m, approx. 0% cloud coverage in AoI) provided under COPERNICUS by the European Union and ESA.

Post-event image (Background): SPOT6 © Airbus DS (2023), (acquired on 21/09/2023 at 08:34 UTC and 03/10/2023 at 08:41 UTC, GSD 1.5 m, approx. 12.2% and 0% cloud coverages in AoI, 24.8° and 7.8° off-nadir angles), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2022).

Inset maps: JRC 2013, GISCO 2010 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2015.

Disclaimer

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Delivery formats are Layered Geospatial PDF and vector (GDB and GeoJSON).

Map produced by SERTIT released by SERTIT (TPoC).

For the latest version of this map and related products visit
https://emergency.copernicus.eu/EMSN166
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