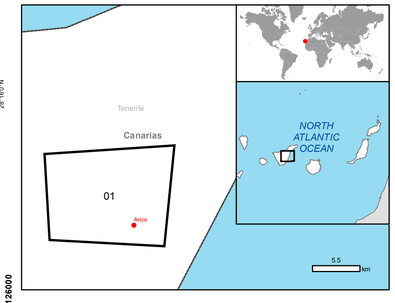
GLIDE number: N/A
Int. Charter Act. ID: N/A

Activation ID: EMSR512
Product N.: 01ARICO, v1

Arico - CANARY ISLANDS (SPA.)

Wildfire - Situation as of 24/05/2021

Grading - Overview01



Cartographic Information

1:25000

Full color A1, 200 dpi resolution

0 0.5 1 2 km

N

Grid: WGS 1984 UTM Zone 28N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

Crisis Information
Built Up Grading
- Possibly damaged

Transportation Grading
- Road, Possibly damaged
- 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
- Not Analysed

Administrative boundaries
- Municipality

Placenames
- GPlacename

Hydrography
- Stream
- Lake
- Reservoir

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

Consequences within the AOI

	Unit of measurement	Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Estimated population	Number of inhabitants				2	1 166
Built-up	Residential Buildings	No.	0	0	2	2
	Unclassified	No.	0	0	7	7
Transportation	Primary Road	km	0.0	0.0	0.0	8.8
	Secondary Road	km	0.0	0.0	0.0	2.6
	Local Road	km	0.0	0.0	0.0	8.9
	Cart Track	km	0.0	0.0	5.3	283.0
	Long-distance railways	km	0.0	0.0	0.0	0.1
Land use	Arable land	ha	0.0	0.0	0.0	85.1
	Heterogeneous agricultural areas	ha	0.0	0.0	0.0	438.5
	Forests	ha	0.2	510.8	1 977.8	1 948.8	5 483.4
	Open spaces with little or no vegetation	ha	0.0	85.5	513.6	367.0	8 910.7

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

Map Information

On 05/20/2021, a major forest fire started on the Island of Tenerife (Canary Islands). This fire mainly affects the municipality of Arico in the south-east of the island and affects the Corona Forestal Natural Park near the Teide National Park, where there is a significant number of endemisms. Due to the adverse weather conditions the fire can be active for several days and affect populated areas. Copernicus EMS Rapid Mapping is requested to provide First Estimate Product, Delineation and Grading products.

The present map shows the damage grade assessment (Grading maps) in the area of Arico (Canary Islands). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. Due to dense smoke, the burnt area delineation is not complete. "Not analysed" indicates an area that could not be analysed in any of the post-event images. The scale of analysis is 1:5000. The estimated geometric accuracy (RMSE) is 3.0 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 225 sq m.

Relevant date records (UTC)

Event	20/05/2021 09:45	Situation as of	24/05/2021 11:41
Activation	21/05/2021 11:58	Map production	25/05/2021

Data sources

Pre-event image: Sentinel-2B (2021) (acquired on 15/05/2021 at 11:52 UTC, GSD 10 m, approx. 0% cloud coverage in AoI) provided under COPERNICUS by the European Union and ESA.

Post-event image: SPOT7 © Airbus DS (2021), (acquired on 24/05/2021 at 11:41 UTC, GSD 1.5 m, approx. 1% cloud coverage in AoI, 30.7° 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, INSIDE EUROPE Corine Land Cover (CLC) 2018, EuroBoundaryMap 2017 © EuroGeographics,
Inset maps: INSIDE EUROPE 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

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.

The current Burnt Area Delineation cumulates all burnt area extents from previous post-event products.

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

Map produced by SERTIT released by e-GEOS (ODO).

For the latest version of this map and related products visit https://emergency.copernicus.eu/EMSR512

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