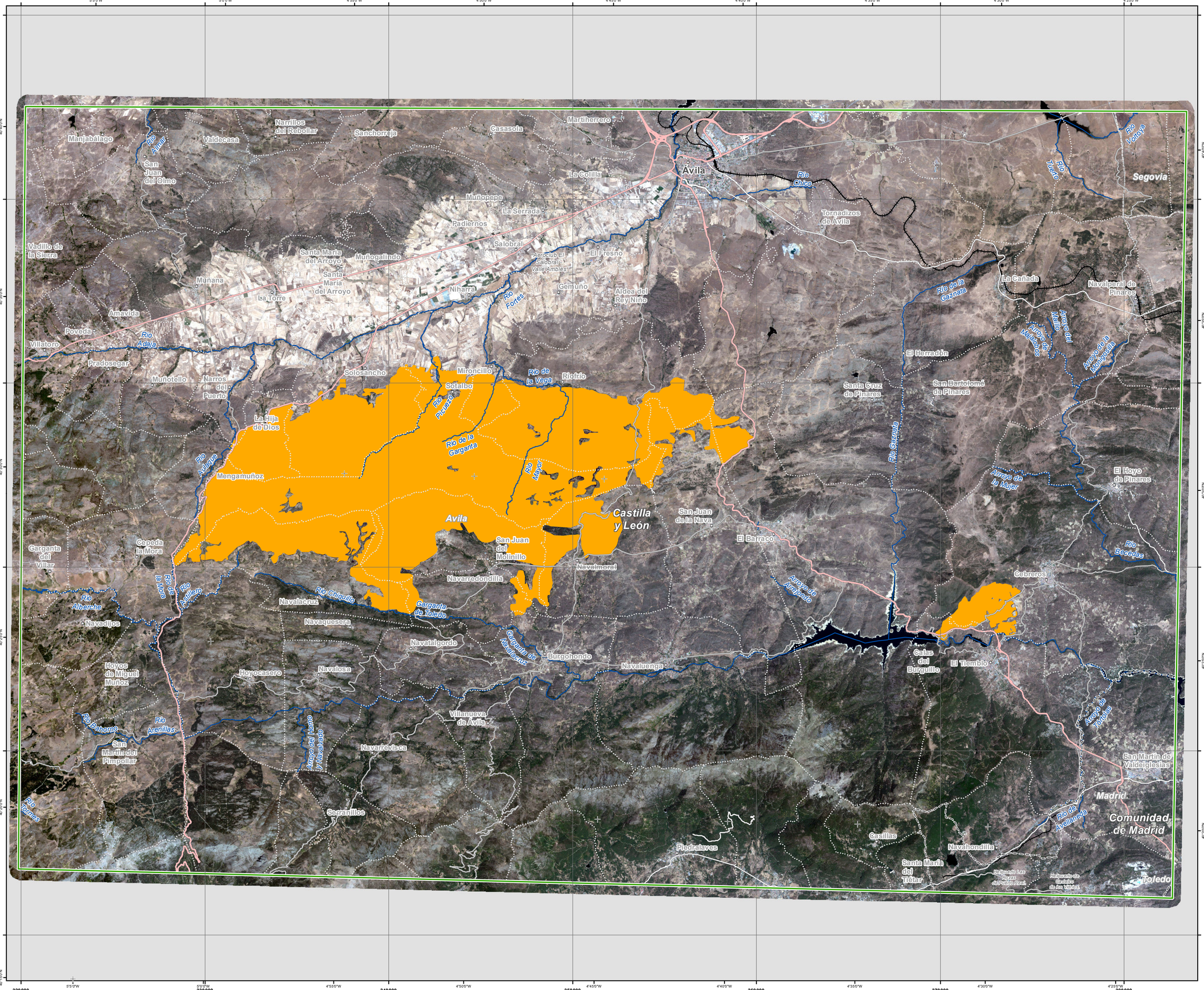
GLIDE number: N/A
Int. Charter Act. ID: N/A

Activation ID: EMSR538
Product N.: 01AVILA, v1

Avila - SPAIN

Wildfire - Situation as of 18/08/2021

Delineation MONIT01 - Overview map 01



Cartographic Information

1:95000

Full color A1, 200 dpi resolution

0 1.75 3.5 7 km

Grid: WGS 1984 UTM Zone 30N map coordinate system
Tick marks: WGS 84 geographical coordinate system

N

Legend

Crisis Information
- Burnt Area

General Information
- Area of Interest

Administrative boundaries
- Region
- Province
- Municipality

Placenames
- Placename

Hydrography
- River

Transportation
- Highway
- Primary Road
- Secondary Road
- Long-distance railway
- Airfield runway
- Airfield runway
- 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		22,768.3
Estimated population	Number of inhabitants		136	94,172
Transportation	Airfield runways	ha	0.0	18.4
	Helipad	ha	0.0	0.1
	Airfield runways	km	0.0	1.4
	Highways	km	7.5	239.9
	Primary Road	km	0.0	95.9
	Secondary Road	km	12.6	321.4
	Long-distance railways	km	0.0	99.5
Land use	Arable land	ha	44.5	16,978.3
	Permanent crops	ha	50.8	3,336.7
	Pastures	ha	408.7	9,020.8
	Heterogeneous agricultural areas	ha	278.8	9,183.6
	Forests	ha	1,006.5	49,399.1
	Shrub and/or herbaceous vegetation association	ha	16,161.9	196,542.9
	Open spaces with little or no vegetation	ha	4,814.8	14,629.9
	Other	ha	2.3	6,116.0

Map Information

On 14/08/2021, a major forest fire started close to a road located in Cepeda de La Mora (Avila). This fire mainly affects the municipality of Robledillo, Vilaviciosa, Riofrio, Sotalbo and Solosancho in Castilla y León. Due to the adverse weather conditions, the fire could be active for several days and affect more areas. Copernicus EMS Rapid Mapping is requested to provide First Estimate Product, Delineation and Grading products.

The present map shows the fire delineation in the area of Avila (Spain). 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 12 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 625 sq m.

Relevant date records (UTC)

Event	14/08/2021 08:44	Situation as of	18/08/2021 10:38
Activation	16/08/2021 11:13	Map production	18/08/2021

Data sources

Pre-event image: Sentinel-2A (2021) (acquired on 10/07/2021 at 11:06 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: SPOT7 © Airbus DS (2021), (acquired on 18/08/2021 at 10:38 UTC, GSD 6 m, approx. 0% cloud coverage in AoI, 20.9° 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, 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

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"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 GMV released by SERTIT (ODO).

For the latest version of this map and related products visit
https://emergency.copernicus.eu/EMSR538

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