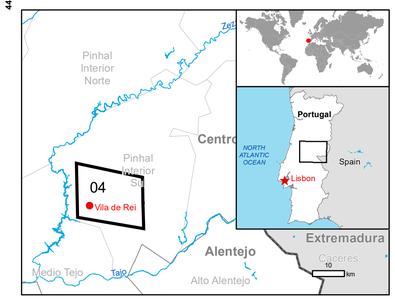
GLIDE number: N/A
Int. Charter call ID: N/A

Activation ID: EMSR372
Product N.: 04VILADEREI, v3

Vila de Rei - PORTUGAL

Wildfire - Situation as of 24/07/2019

Grading - Overview map 01



Cartographic Information

1:40000

Full color A1, 200 dpi resolution

0 1 2 4 km

N

Grid: WGS 1984 UTM Zone 29N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

Crisis Information

Built Up Grading
- Damaged
- Possibly damaged

Transportation Grading
- Road, Possibly damaged
- Road, No visible damage

Land Use-Cover Grading
- Destroyed
- Damaged
- Possibly damaged

General Information
- Area of Interest
- Detail map

Sensor Metadata
- Image Footprint

Placenames
- Placename

Hydrography
- River
- Stream
- Lake
- Reservoir

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
Burnt area		ha				9646.8	
Estimated population		Number of inhabitants				1471	15596
Settlements	Residential	ha	0.0	58.0	22.2	80.1	NA
Transportation	Primary Road	km	0.0	0.0	14.6	14.6	56
	Secondary Road	km	0.0	0.0	0.0	0.0	14
	Local Road	km	0.0	0.0	37.3	37.3	269
	Cart Track	km	0.0	0.0	307.6	307.6	1118.9
Facilities	Dam	No.	0	0	0	0	7
	Construction for mining or extraction	ha	0.0	0.0	0.0	0.0	1.8
Land use	Heterogeneous agricultural areas	ha	40.4	287.9	167.6	496.0	2557.9
	Forests	ha	356.7	1568.4	384.0	2307.1	6606.3
	Shrub and/or herbaceous vegetation association	ha	1469.8	4427.3	844.1	6741.0	24091.1
	Open spaces with little or no vegetation	ha	5.0	56.1	37.6	98.7	997.4

Map Information

On 20 July 2019, three separate forest fires have broke out in the center of Portugal. According to Civil Protection Authorities, the fire endangers two villages in the region of Castelo Branco. Several firefighters' units have been deployed in the area.

The present map shows the damage grade assessment in the area of Vila de Rei (Portugal). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometric accuracy (RMSE) is 12.5 m or better, from native positional accuracy of the background satellite image.

Relevant date records (UTC)

Event	20/07/2019 22:00	Situation as of	24/07/2019 10:52
Activation	21/07/2019 02:00	Map production	25/07/2019

Data sources

Pre-event image: WorldView-2 © Digital Globe, Inc. (2018), (acquired on 22/08/2018 at 11:48 UTC, GSD 2 m, approx. 0% cloud coverage in AoI, 30.7° off-nadir angle), provided under COPERNICUS by the European Union, ESA and European Space Imaging, all rights reserved. Pléiades-1A/B © CNES (2018), distributed by Airbus DS (acquired on 13/06/2018 at 11:42 UTC, GSD 4 m, approx. 0% cloud coverage in AoI, 26.2° off-nadir angle and acquired on 20/06/2018 at 11:40 UTC, GSD 4 m, approx. 0% cloud coverage in AoI, 26.3° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.
Post-event image: SPOT7 © Airbus DS (2019), (acquired on 24/07/2019 at 10:52 UTC, GSD 1.5 m, approx. 0% cloud coverage in AoI, 11° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, Corine Land Cover (CLC) 2012, Global Administrative Areas (2012), refined by the producer.
Inset maps: JRC 2013, EuroBoundaryMap 2017 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2013.

Population data: GHS Population Grid © European Commission, 2015 http://data.europa.eu/89h/jrc-ghsl-ghs_pop_gpw4_globe_r2015a.
Digital Elevation Model: SRTM (90 m) (NASA/USGS)

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 GAF AG released by e-GEOS (ODO).

For the latest version of this map and related products visit
http://emergency.copernicus.eu/EMSR372

jrc-ems-rapidmapping@ec.europa.eu
© European Union
For full Copyright notice visit http://emergency.copernicus.eu/mapping/ems/cite-copernicus-ems-mapping-portal

Copernicus Europe's eyes on Earth