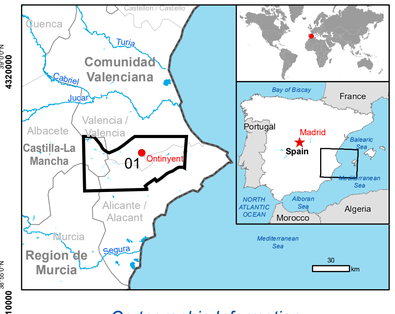
GLIDE number: N/A
Int. Charter call ID: N/A

Activation ID: EMSR388
Product N.: 01ONTINYENT, v1

Ontinyent - SPAIN

Flood - Situation as of 16/09/2019

Delineation map - MONIT01



Cartographic Information

1:130000

Full color A1, 200 dpi resolution

0 2.5 5 10 km

N

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

Legend

Crisis Information
- Flooded Area (16/09/2019 06:09 UTC)
- Previous Flooded Area (13/09/2019 18:06 UTC)

General Information
- Area of Interest
- Image Footprint

Placenames
- Placename

Built-Up Area
- Built-Up Area

Hydrography
- River
- Stream
- Lake
- Reservoir

Transportation
- Primary Road
- Secondary Road
- Helipad

Land use - Land Cover
Features available in the vector package

Consequences within the AOI

		Unit of measurement	Affected	Total in AOI
Flooded area		ha		998.1
Estimated population		Number of inhabitants	22	353197
Settlements	Residential	ha	0.5	7805.0
	Other non-residential	ha	0.5	1745.0
Transportation	Highway	km	0.2	451
	Primary Road	km	0.6	323
	Secondary Road	km	0.0	547
	Local Road	km	0.7	2980.5
	Cart Track	km	19.1	9075.1
	Long-distance railway	km	0.0	619.1
Land use	Heterogeneous agricultural areas	ha	973.0	167618.2
	Forests	ha	0.5	29712.2
	Shrub and/or herbaceous vegetation association	ha	23.6	90638.5

Map Information

Heavy rainfall, hail, winds up to 100 km/h and huge waves have affected the Southeast of the Iberian Peninsula, causing floods in many villages with much damage to infrastructure and buildings in the provinces of Valencia, Alicante, Murcia and Albacete. The request is for Delineation and monitoring over large AOIs and damage grading analysis over focused badly hit areas.

The present map shows the flood delineation product in the area of Ontinyent (Spain). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometric accuracy (RMSE) is 12 m or better from native positional accuracy of the background satellite image.

Relevant date records (UTC)

Event	11/09/2019 12:00	Situation as of	16/09/2019 06:09
Activation	12/09/2019 13:37	Map production	16/09/2019

Data sources

Pre-event image: Sentinel-2A (2019) (acquired on 24/08/2019 at 10:50 UTC, GSD 10 m, approx. 10% cloud coverage in AoI, 0° off-nadir angle) provided under COPERNICUS by the European Union and ESA.
Post-event image: Radarsat-2 Data and products © MacDonald, Dettwiler and Associates Ltd. (2019) (acquired on 13/09/2019 at 18:06 UTC, GSD 6.0 m) – RADARSAT is an official mark of the Canadian Space Agency – provided under COPERNICUS by the European Union and ESA, all rights reserved.
Sentinel-1B (2019) (acquired on 16/09/2019 at 06:09 UTC, GSD 10 m) provided under COPERNICUS by the European Union and ESA.
Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, Corine Land Cover (CLC) 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: EU-DEM (25 m)

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.
Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

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

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

For the latest version of this map and related products visit
http://emergency.copernicus.eu/EMSR388

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