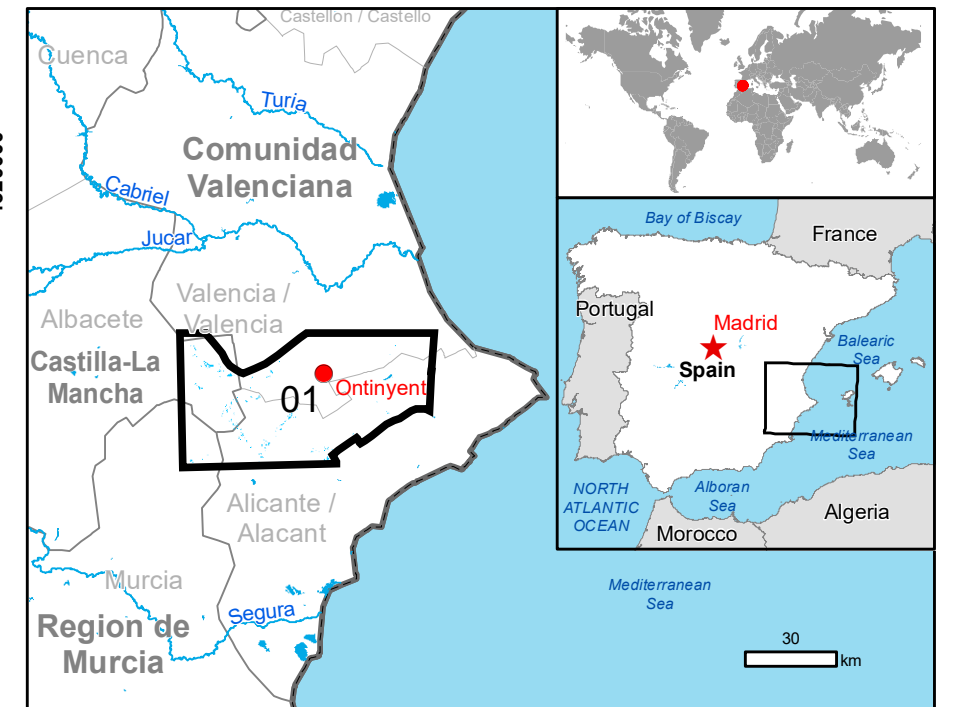


GLIDE number: N/A Activation ID: EMSR388  
Int. Charter call ID: N/A Product N.: 01ONTINYENT, v1

## Ontinyent - SPAIN

### Flood - Situation as of 13/09/2019

#### Delineation - Overview map 01



#### Cartographic Information

1:130000 Full color A1, 200 dpi resolution



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

#### Legend

Crisis Information	Hydrography	Transportation
Flooded Area (13/09/2019 18:06 UTC)	River	Primary Road
Area of Interest	Stream	Secondary Road
Image Footprint	Lake	Helpaid
Placenames	Reservoir	
Built-Up Area		
Built-Up Area		

Consequences within the AOI			
		Unit of measurement	Affected
Flooded area		ha	1612.2
Estimated population		Number of inhabitants	354
Settlements			
Other non-residential		ha	9.9
Transportation			
Highway		km	2.2
Primary Road		km	2.8
Secondary Road		km	0.2
Local Road		km	5.6
Cart Track		km	61.9
Long-distance railway		km	3.0
Land use			
Heterogeneous agricultural areas		ha	1560.5
Forests		ha	0.2
Shrub and/or herbaceous vegetation association		ha	37.6

#### Map Information

Heavy rainfall, hail, winds up to 100km/h and huge waves are affecting the Southeast of the Iberian Peninsula causing floods in many villages with numerous damages to infrastructures and buildings in the provinces of Valencia, Alicante, Murcia and Albacete. According to Spain's meteorological agency AEMET, the extreme weather will intensify affecting many other areas in the next hours/days.

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	13/09/2019 18:06
Activation	12/09/2019 13:37	Map production	14/09/2019

#### 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, Delwiler 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.

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-ghs-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  
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