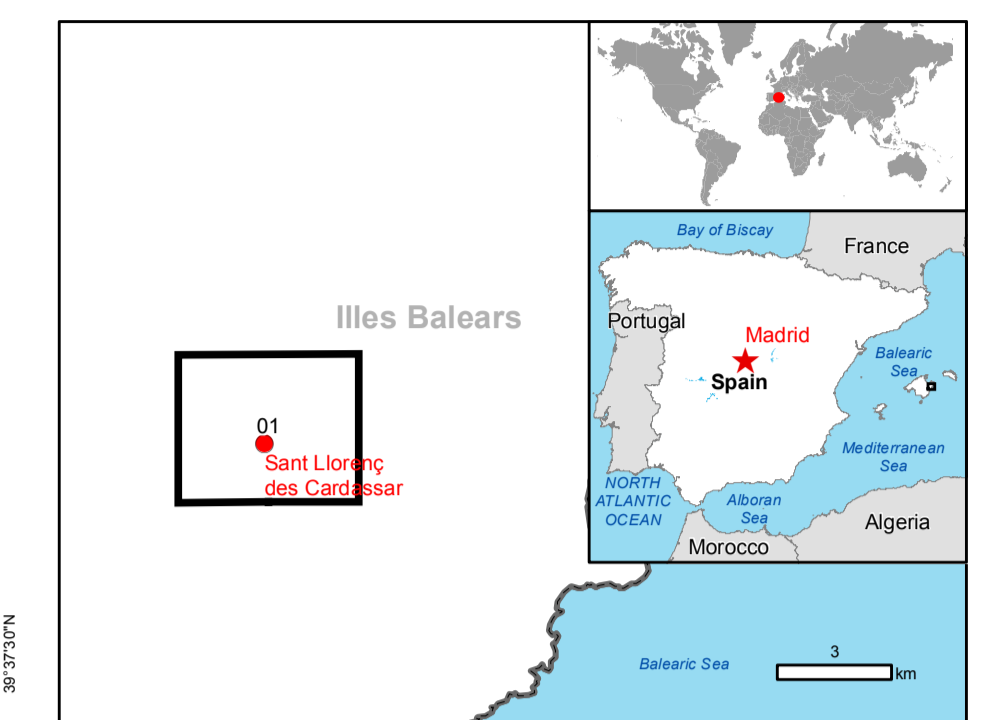




Sant Llorenç des Cardassar - SPAIN

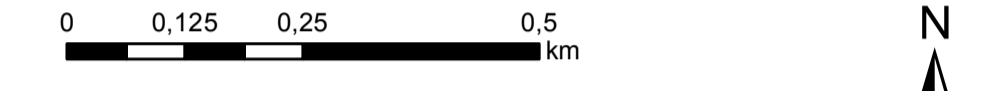
Flood - Situation as of 11/10/2018

Grading Map



Cartographic Information

1:8000 Full color ISO A1, medium resolution (200 dpi)



Grid: WGS 1984 UTM Zone 31N map coordinate system
 Tick marks: WGS 84 geographical coordinate system

Legend

- | | |
|--|---|
| Crisis Information | Placenames |
| Mudflow | Placename |
| Built Up Grading | Hydrography |
| Damaged | Stream |
| Possibly damaged | Point of Interest |
| Transportation Grading | Communication building, station, terminal and associated building |
| Bridge and elevated highways, Possibly damaged | Industrial building |
| Transportation Grading | Institutional |
| Road, Possibly damaged | Transportation |
| Railway, Possibly damaged | Bridge and elevated highway |
| General Information | Primary Road |
| Area of Interest | Local Road |
| Administrative boundaries | Cart Track |
| Municipality | Long-distance railway |

Consequences within the AOI						
		Unit of measurement	Destroyed	Damaged	Possibly damaged	Total affected
Mudflow		ha				195.0
Estimated population		Number of inhabitants				962 2095
Settlements	Residential	No.	0	53	519	572 1246
	Non-Residential	No.	0	1	11	12 10
Transportation	Bridges and elevated highways	No.	0	0	7	7 10
	Primary Road	km	0.0	0.0	0.7	0.7 8.4
	Local Road	km	0.0	0.0	7.6	7.6 35.9
	Cart Track	km	0.0	0.0	5.6	5.6 69.2
Long-distance railway	km	0.0	0.0	0.2	0.2 4.5	

Map Information
 During the night of October 09, in the area of Sant Llorenç des Cardassar, there has been a flash flood due to heavy rains in a short time (230 mm) that has caused 9 deaths, missing persons, evacuated and numerous damages.

The present map shows the flood delineation in the area of Sant Llorenç des Cardassar (Spain). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometric accuracy is 5 m or better, from native positional accuracy of the background satellite image.

Relevant date records			
Event	09/10/2018	Situation as of	11/10/2018
Activation	10/10/2018	Map production	22/10/2018

Data Sources
 Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 15/04/2015, GSD 0.25 m, approx. 0% cloud coverage in AOI).
 Post-event image: Pléiades-1B © CNES (2018), distributed by Airbus DS (acquired on 11/10/2018 at 10:32 UTC, GSD 0.5 m, approx. 0% cloud coverage in AOI, 22° 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, refined by the producer.
 Inset maps: JRC 2013, © EuroGeographics, EuroBoundaryMap 2017, © EuroGeographics, Natural Earth 2012, OCM River DB © EURLCC2007, GeoNames 2013.
 Population data: GH5 Population Grid © European Commission, 2015
http://data.europa.eu/8ah/jrc-gis-gh5_pop_gpw4_globe_2015a
 Digital Elevation Model: EU-DEM (25 m).

Disclaimer
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