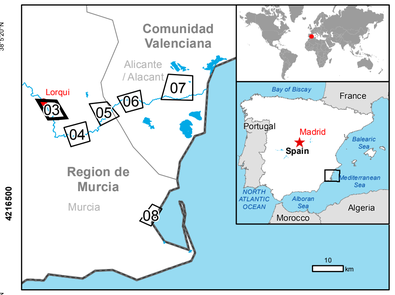
GLIDE number: N/A
Int. Charter call ID: N/A

Activation ID: EMSR388
Product N.: 03LORQUI, v2

Lorqui - SPAIN

Flood - Situation as of 18/09/2019

Grading - Overview map 01



Cartographic Information

1:14000

Full color A1, 200 dpi resolution

0 0.25 0.5 1 km

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

N

Legend

Crisis Information
- Flooded Area (18/09/2019 10:51 UTC)
- Flood trace (18/09/2019 10:51 UTC)
- Dike breach

Built Up Grading
- Destroyed
- Damaged
- Possibly damaged

Transportation Grading
- Road, Destroyed
- Road, Damaged
- Road, Possibly damaged
- Road, No visible damage
- Railway, No visible damage

Facilities Grading
- Possibly damaged

General Information
- Area of Interest

Administrative boundaries
- Municipality

Placenames
- Placename

Hydrography
- Stream
- Reservoir
- River

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
Flooded area		ha				36.2	
Flood trace		ha				28.7	
Dike breach		No.				4	
Estimated population		Number of inhabitants				N/A	63361
Settlements	Residential	No.	4	76	147	227	N/A
	Industrial building and warehouse	No.	0	1	0	1	N/A
	Public entertainment	No.	0	4	1	5	N/A
Transportation	Highway	km	0.0	0.0	0.0	0.0	5.1
	Primary Road	km	0.0	0.0	0.0	0.0	17.8
	Secondary Road	km	0.0	0.4	0.0	0.4	39.1
	Local Road	km	0.0	0.5	0.3	0.8	344.2
	Cart Track	km	0.1	0.5	0.6	1.2	86.9
	Long-distance railway	km	0.0	0.0	0.0	0.0	10.2
Facilities	Power plant construction	ha	0.0	0.0	0.4	0.4	0.4

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 damage grade assessment in the area of Lorqui (Spain). The thematic layer has been derived from post-event satellite image by means of visual interpretation. The estimated geometric accuracy (RMSE) is 1.25 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	18/09/2019 10:51
Activation	12/09/2019 13:37	Map production	24/09/2019

Data sources

Pre-event image: Pléiades-1A © CNES (2018), distributed by Airbus DS (acquired on 22/08/2018 at 11:05 UTC, GSD 0.5 m, approx. 0% cloud coverage in AoI, 14.6° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.
Post-event image:Pléiades-1A © CNES (2019), distributed by Airbus DS (acquired on 18/09/2019 at 10:51 UTC, GSD 0.5 m, approx. 0% cloud coverage in AoI, 19.6° 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: EU-DEM (25 m)

Disclaimer

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

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

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

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