



Situation as of 31/10/2024 10:22 UTC
Grading - Overview map 01



Flooded area 22.9 ha
Flood trace 340.0 ha

Potentially affected population ~9,300

Affected Built-up and Transportations

Built-Up 1,041 No.
Road 107.0 km
Railway 9.9 km

Crisis Information	General Information
Flooded Area	Area of Interest
Flood trace	Detail map
Built Up Grading	Not Analysed
Destroyed	Administrative Boundaries
Possibly damaged	Municipality
Facilities Grading	Placenames
Damaged	Placename
Possibly damaged	Hydrography
Transportation Grading	Lake, River
Road, Destroyed	Watercourse
Road, Damaged	
Road, Possibly damaged	
Railway, Possibly damaged	
Highway, No visible damage	
Main road, No visible damage	
Local road, No visible damage	
Track, No visible damage	
Railway, No visible damage	
Airfield and Heliport, No visible damage	

Event: On 29 October 2024 at 14:30 UTC, an extraordinary rainfall event affected the Levante region. High water levels in rivers caused flooding in Ribera Alta, Horta, La Plana de Utiel and Letur river. On 31 October 2024, extraordinary precipitation caused flooding in the Castellon Province area. Copernicus EMS Rapid Mapping is requested to provide emergency mapping of flood extent, Monitoring and classification damages emergency mapping.

Data sources and analysis: Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 28/10/2023, resolution 0.5 m). Post-event image: GeoEye © Maxar Technologies, Inc. (2024), (acquired on 31/10/2024 at 10:22 UTC, resolution 0.5 m). This image is used as background image. All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

The thematic layer has been derived from post-event satellite image by means of visual interpretation. Please be aware that the thematic accuracy might be lower in urban areas due to limitations of the satellite image, because of the high Off Nadir Angle (43.8°)

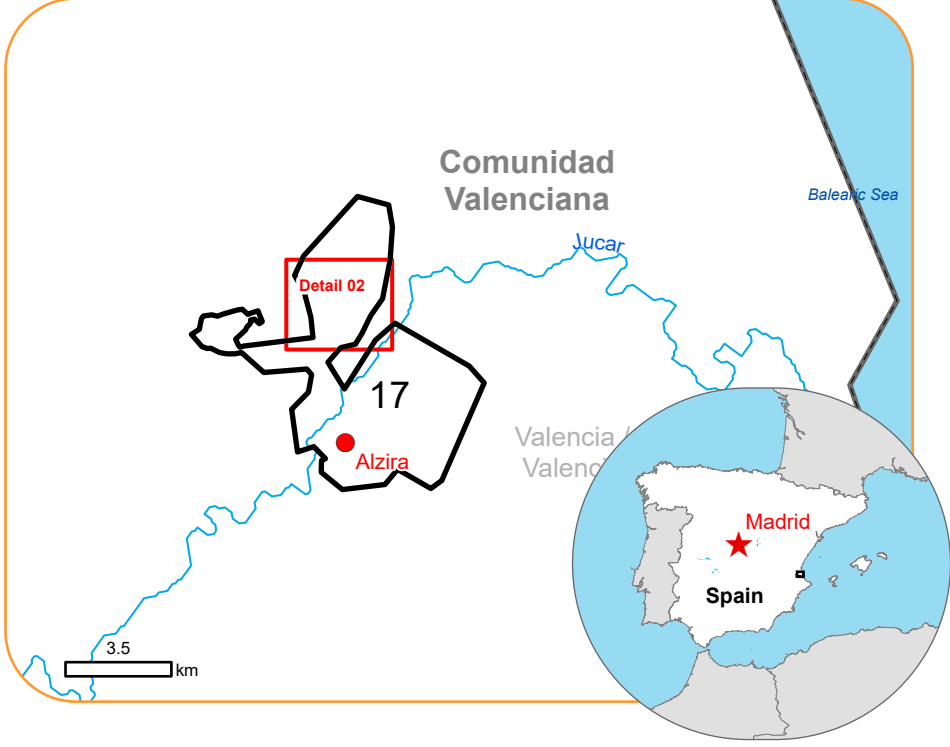
Map produced by GAF AG released by e-GEOS on the 16/11/2024.

Details on this activation and service conditions available through the QR code or at the link: <https://rapidmapping.emergency.copernicus.eu/EMSR773>





Situation as of 31/10/2024 10:22 UTC
Grading - Detail map 02



- Crisis Information

Flooded Area

Flood trace
- Built Up Grading

Destroyed

Possibly damaged
- Facilities Grading

Damaged

Possibly damaged
- Transportation Grading

Road, Destroyed

Road, Damaged

Road, Possibly damaged

Railway, Possibly damaged

Main road, No visible damage

Local road, No visible damage

Track, No visible damage

Railway, No visible damage
- General Information

Area of Interest

Not Analysed
- Administrative Boundaries

Municipality
- Placenames

Placename
- Hydrography

Lake, River

Watercourse

Event: On 29 October 2024 at 14:30 UTC, an extraordinary rainfall event affected the Levante region. High water levels in rivers caused flooding in Ribera Alta, Horta, La Plana de Utiel and Letur river. On 31 October 2024, extraordinary precipitation caused flooding in the Castellon Province area. Copernicus EMS Rapid Mapping is requested to provide emergency mapping of flood extent, Monitoring and classification damages emergency mapping.

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Consequences within the AOI						
	Unit of measurement	Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Flood trace	ha					340.0
Flooded area	ha					22.9
Estimated population	Number of inhabitants				- 9,300	- 67,000
Built-up	Residential Buildings	No. 1	0	742	743	6,793
	Office buildings	No. 0	0	0	0	6
	Administrative	No. 0	0	0	0	2
	Institutional	No. 0	0	0	0	6
	Police station	No. 0	0	0	0	3
	Fire station	No. 0	0	0	0	2
	Wholesale and retail trade buildings	No. 0	0	0	0	41
	Industrial buildings	No. 0	0	1	1	89
	Reservoirs, silos and warehouses	No. 0	0	0	0	8
	Public entertainment buildings	No. 0	0	0	0	4
	Museums and libraries	No. 0	0	0	0	3
	School, university and research buildings	No. 0	0	0	0	30
	Hospital or institutional care buildings	No. 0	0	0	0	1
	Non-residential farm buildings	No. 0	0	0	0	11
	Buildings used as places of worship and for religious activities	No. 0	0	0	0	6
	Historic or protected monuments	No. 0	0	0	0	8
	Other buildings not elsewhere classified	No. 0	0	0	0	1
	Building point	No. 0	0	297	297	315
	Communication buildings, stations, terminals and associated buildings	No. 0	0	0	0	4
Transportation	Helipad	ha 0	0	0	0	0.3
	Highways	km 0	0	0	0	4.1
	Primary Road	km 0	0.03	2.1	2.1	26.4
	Secondary Road	km 0	1.3	2.7	4.0	15.4
	Local Road	km 0	12.2	66.4	78.6	269.6
	Cart Track	km 0.5	2.7	11.1	14.3	153.7
	No Driveway	km 0	0.2	7.7	7.9	7.9
	Long-distance railways	km 0	0	9.9	9.9	20.3
Facilities	Settling Basin	ha 0	0	0	0	0.5
	Dams	ha 0	0	0	0	0.00
	Constructions for mining or extraction	ha 0	0	0	0	0
	Sport and recreation constructions	ha 0	11.1	1.9	13.0	63.8
	Other civil engineering works not elsewhere classified	ha 0	0	0.8	0.8	1.2
	Long-distance pipelines, communication and electricity lines	km 0	0	0	0	9.0
	Local pipelines and cables	km 0	0	0	0	1.7
Land use	Other	ha			285.3	1,392.8
	Permanent crops	ha			77.5	1,793.9
	Heterogeneous agricultural areas	ha			0.1	515.5
	Forests	ha			0	60.9
	Shrub and/or herbaceous vegetation association	ha			0	6.8

* Presence of damage proxies and proximity with destroyed/damaged asset

** Sum of all damage classes

Disclaimer:

Full disclaimer and other helpful information available in the online manual:
<https://emergency.copernicus.eu/mapping/ems/online-manual-rapid-mapping-products>
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Data Access:

All data displayed on the map(s), as well as the Physiography and Land Use - Land Cover layers, are available in the Crisis Information Package and the Base Layer Package (for reference data). The table above is available in editable format in the Crisis Information Package. All products and data are also available for download on the portal.

Estimated Population:

Estimated population is based on Copernicus Global Human Settlement Layer (GHSL) dataset. Additional population datasets and analysis are available in the summary table.

Data Sources:

Base Vector Layers: OpenStreetMap © OpenStreetMap contributors (2024), Wikimapia.org, GeoNames 2015, Corine Land Cover (CLC) 2018, EuroBoundaryMap 2017 ©EuroGeographics.
 Inset Maps: JRC 2013, GISCO 2010 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2015.
 Digital Elevation Model:
 FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30
 Digital Elevation Model (DEM) (Airbus,2020).

Access to the portal



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