



EMSR773 - AOI03
Flood in Spain
HORTA SUD

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



Flooded area 84.3 ha
Flood trace 2,323.1 ha



Potentially affected
population
~ 28000

Potentially Affected Built-up and Transportations



Road
330.6 km



Airport
2.7 ha



Railway
17.8 km



Built-Up
280.5 ha

Estimated flood depth (m)



Hydrography

Lake, River

Facilities

Long-distance pipelines
or lines

Local pipelines or lines

Dam

Mining or extraction site

Power plant

Sport and recreation
constructions

Water or Aquatic
infrastructure

Crisis Information

Flood trace

General Information

Area of Interest

Not Analysed

Administrative Boundaries

Municipality

Placenames

Placename

Built-Up Area

Residential

Non residential

School, university and
research buildings

Hospital or institutional
care buildings

Military

Transportation

Highway

Main road

Local road

Track

Railway

Airfield runway

Subway

Airfield

Helipad

Event: On 29 October 2024 at 14:30 UTC, an extraordinary rainfall event affected the Valencia 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 25/08/2023, resolution 0.6 m).
Post-event images: GeoEye © Maxar Technologies, Inc. (2024), (acquired on 31/10/2024 at 10:22 UTC, resolution 2.0 m).
WorldView-2 © Maxar Technologies, Inc. (2024), (acquired on 31/10/2024 at 10:22 UTC, resolution 0.5 m).
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The thematic layer has been derived from post-event satellite image using a semi-automatic approach.

The flood depth information is based on the analysis of post-event satellite imagery and on Digital Elevation Model data. The flooded area corresponds to the water observed in the most recent satellite imagery, excluding the permanent water.

Map produced by Telespazio Iberica released by e-GEOS on the 02/11/2024.

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



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Consequences within the AOI			
		Unit of measurement	Affected
Flood trace		ha	2,323.1
Flooded area		ha	84.3
Estimated population	Number of inhabitants		~ 28,000
Built-up	Residential Buildings	ha	57.9
	Wholesale and retail trade buildings	ha	0
	Industrial buildings	ha	190.8
	School, university and research buildings	ha	4.8
	Hospital or institutional care buildings	ha	0
	Other non-residential buildings	ha	26.4
	Military	ha	0.1
	Cemetery	ha	0.5
Transportation	Airfield runways	ha	2.7
	Helipad	ha	0.1
	Airfield runways	km	0
	Highways	km	52.4
	Primary Road	km	0.3
	Secondary Road	km	14.6
	Local Road	km	166.5
	Cart Track	km	96.8
	Railway Yard	km	1.8
	Subway	km	4.6
	Long-distance railways	km	11.3
Facilities	Settling Basin	ha	10.0
	Constructions for mining or extraction	ha	9.7
	Power plant constructions	ha	0.03
	Sport and recreation constructions	ha	28.1
	Long-distance pipelines, communication and electricity lines	km	23.3
	Local pipelines and cables	km	4.0
Land use	Dams	km	0
	Other	ha	854.3
	Heterogeneous agricultural areas	ha	696.7
	Permanent crops	ha	660.0
	Pastures	ha	94.7
	Shrub and/or herbaceous vegetation association	ha	58.3
	Arable land	ha	42.7
	Open spaces with little or no vegetation	ha	0.6
	Forests	ha	0

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.

Access to 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 Terrain Model (2m) © Spain National Data (2015).



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