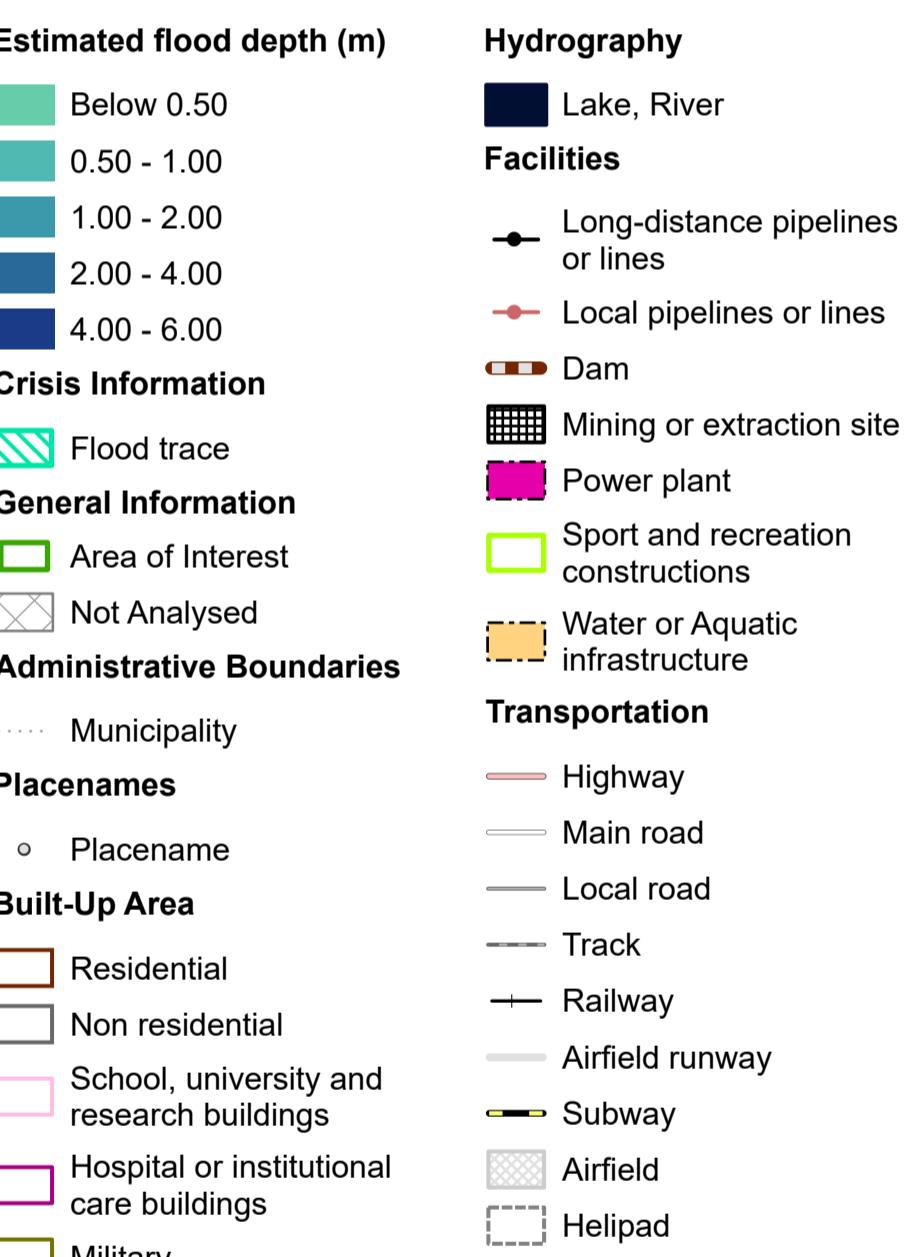
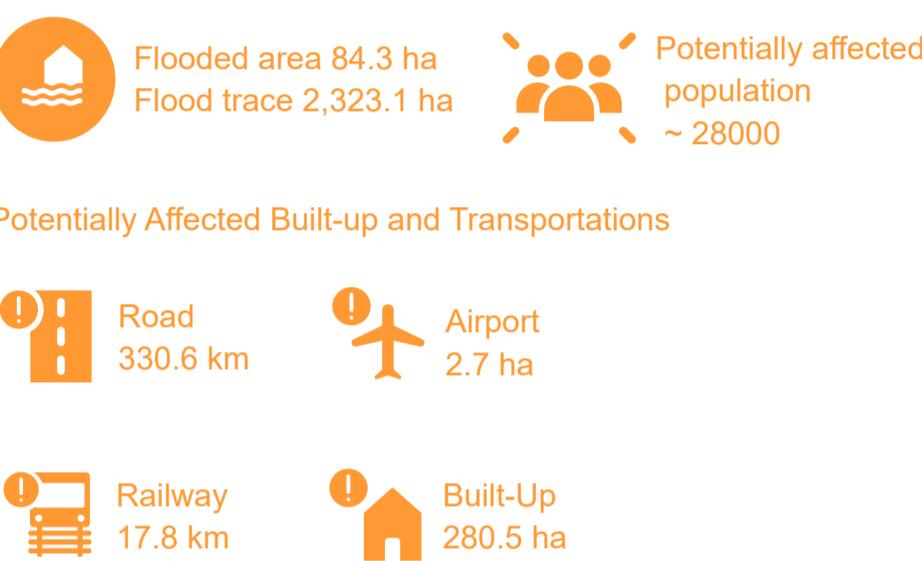
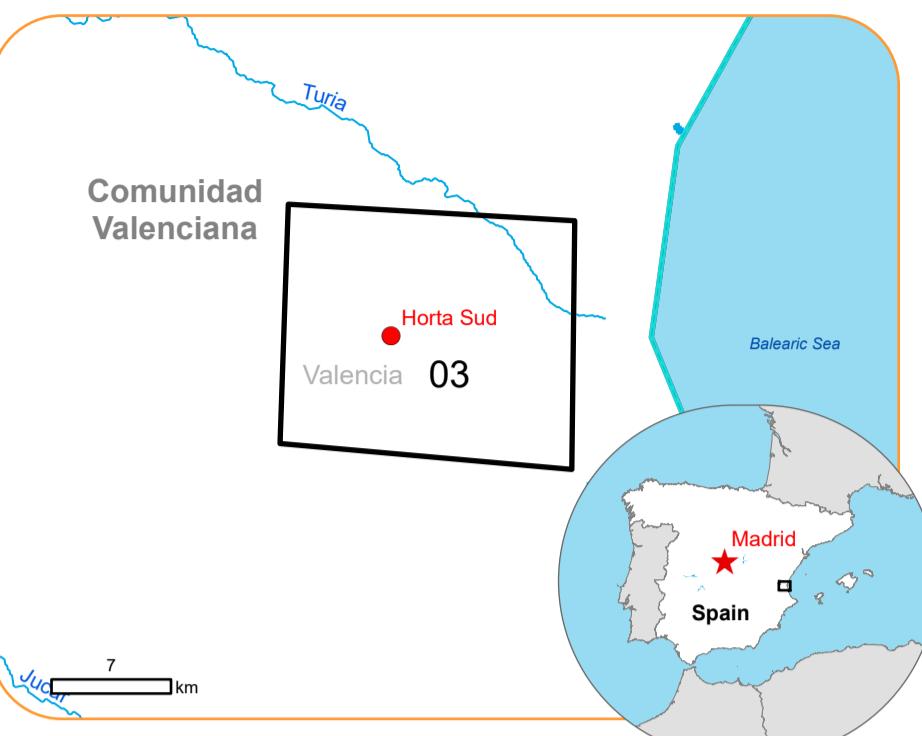




Situation as of 31/10/2024 10:22 UTC

Delineation - Overview map 01



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 Létor river. On 31 October 2024, extraordinary precipitation caused flooding in the Castellón 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). 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 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	Total in AOI
Flood trace		ha		2,323.1
Flooded area		ha		84.3
Estimated population		Number of inhabitants	~ 28,000	~ 590,000
Built-up	Residential Buildings Wholesale and retail trade buildings Industrial buildings School, university and research buildings Hospital or institutional care buildings Other non-residential buildings Military Cemetery	ha	57.9 0 190.8 4.8 0 26.4 0.1 0.5	2,250.1 13.8 1,668.4 142.6 9.2 214.4 10.1 41.6
Transportation	Airfield runways Helipad Airfield runways Highways Primary Road Secondary Road Local Road Cart Track Railway Yard Subway Long-distance railways	ha km km km km km km km km km km	2.7 0.1 0 52.4 0.3 14.6 166.5 96.8 1.8 4.6 11.3	418.0 0.9 21.2 246.5 72.3 103.8 1,419.9 811.5 8.3 54.3 87.5
Facilities	Settling Basin Constructions for mining or extraction Power plant constructions Sport and recreation constructions Long-distance pipelines, communication and electricity lines Local pipelines and cables Dams	ha	10.0 9.7 0.03 28.1 23.3 4.0 0	12.6 37.6 0.5 694.7 149.1 30.3 0.1
Land use	Other Heterogeneous agricultural areas Permanent crops Pastures Shrub and/or herbaceous vegetation association Arable land Open spaces with little or no vegetation Forests	ha	854.3 696.7 660.0 94.7 58.3 42.7 0.6 0	8,500.9 3,751.8 9,884.3 789.1 666.3 526.2 4.3 90.6

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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