



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



Flooded area 62.0 ha
Potentially affected population ~ 200

Affected Built-up and Transportations

Built-Up 449 No.
Road 20.9 km

Crisis Information	General Information
Flooded Area	Area of Interest
Built Up Grading	Detail map
Destroyed	Not Analysed
Damaged	Administrative Boundaries
Possibly damaged	Municipality
Facilities Grading	Placenames
Destroyed	Placename
Damaged	Hydrography
Possibly damaged	Lake, River
Transportation Grading	Watercourse
Road, Damaged	
Road, Possibly damaged	
Bridge, elevated	
highway, tunnel and subway, Damaged	
Highway, No visible damage	
Main road, No visible damage	
Local road, No visible damage	
Track, No visible damage	
Subway, 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.

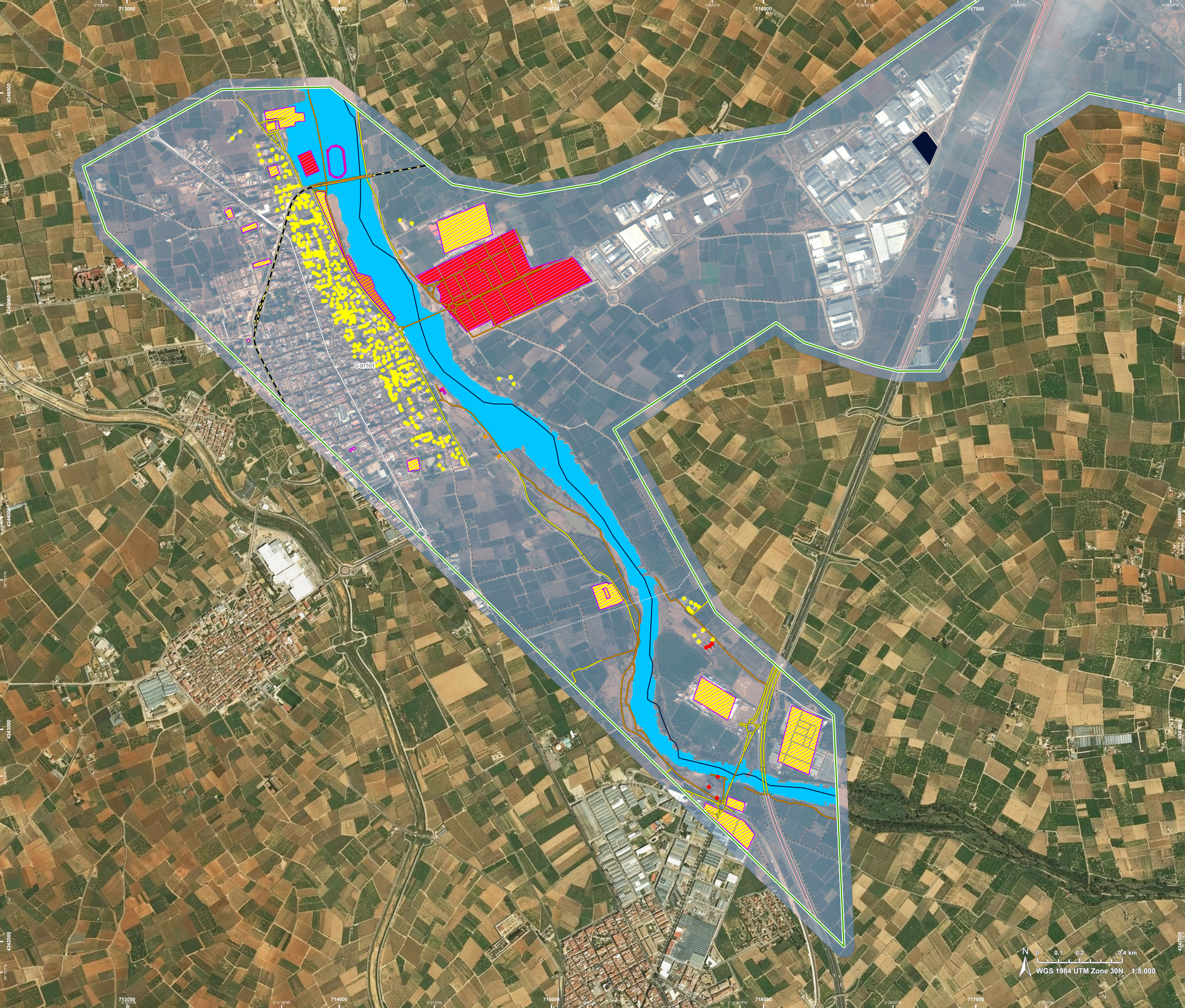
Data sources and analysis: Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 25/08/2023, resolution 0.6 m). Post-event image: GeoEye © Maxar Technologies, Inc. (2024), (acquired on 31/10/2024 at 10:22 UTC, resolution 0.5 m). This image is used as background image. All images are provided 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>





- Crisis Information**

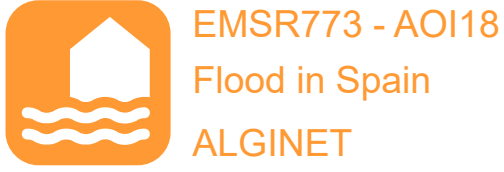
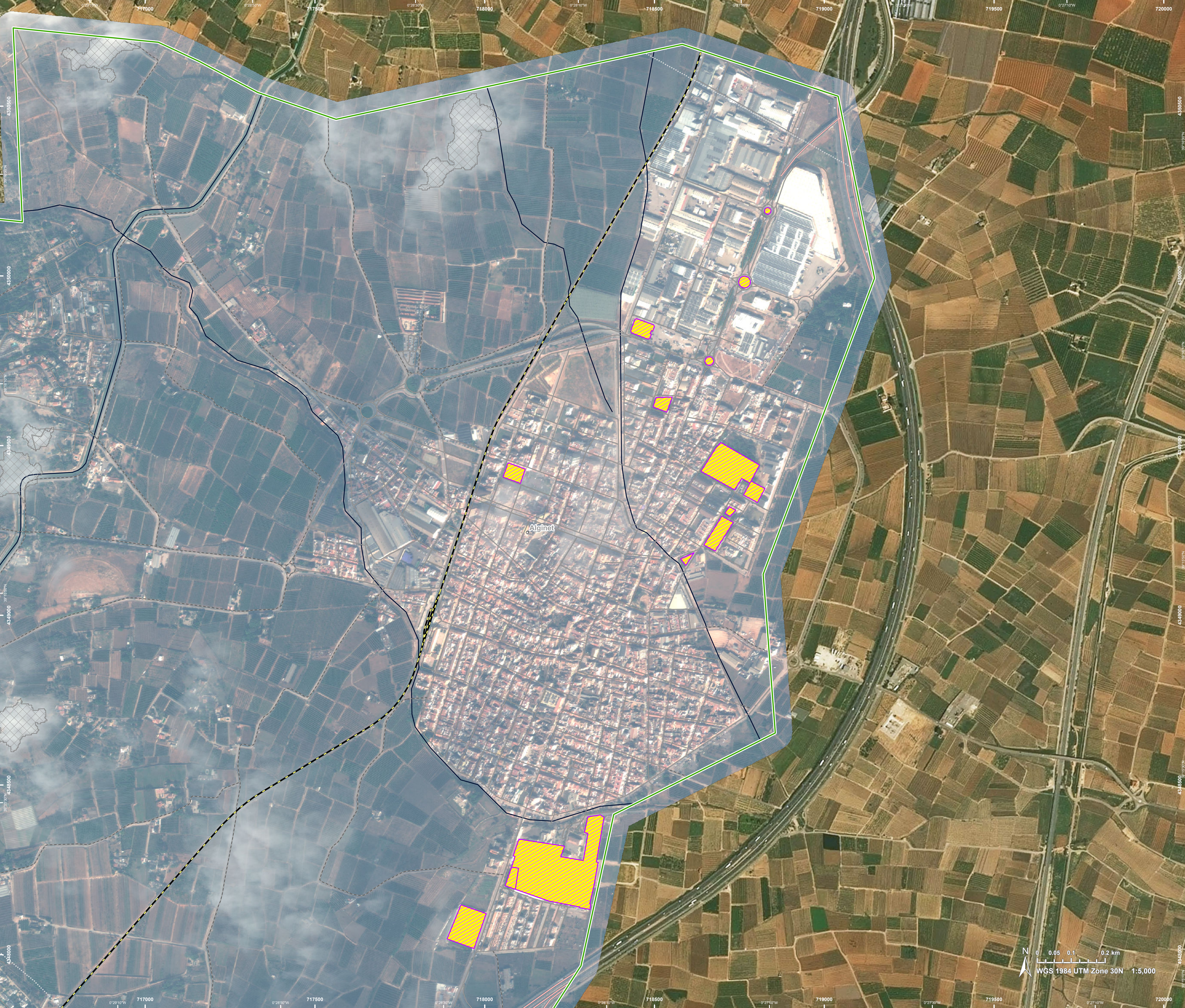
 -  Flooded Area
 - Built Up Grading**
 -  Destroyed
 -  Damaged
 -  Possibly damaged
 - Facilities Grading**
 -  Destroyed
 -  Damaged
 -  Possibly damaged
 - Transportation Grading**
 -  Road, Damaged
 -  Road, Possibly damaged
 -  Bridge, elevated
 -  highway, tunnel and subway, Damaged
 -  Highway, No visible damage
 -  Main road, No visible damage
 -  Local road, No visible damage
 -  Track, No visible damage
 -  Subway, No visible damage
- General Information**

 -  Area of Interest
 - Administrative Boundaries**
 -  Municipality
 - Placenames**
 -  Placename
 - Hydrography**
 -  Lake, River
 -  Watercourse

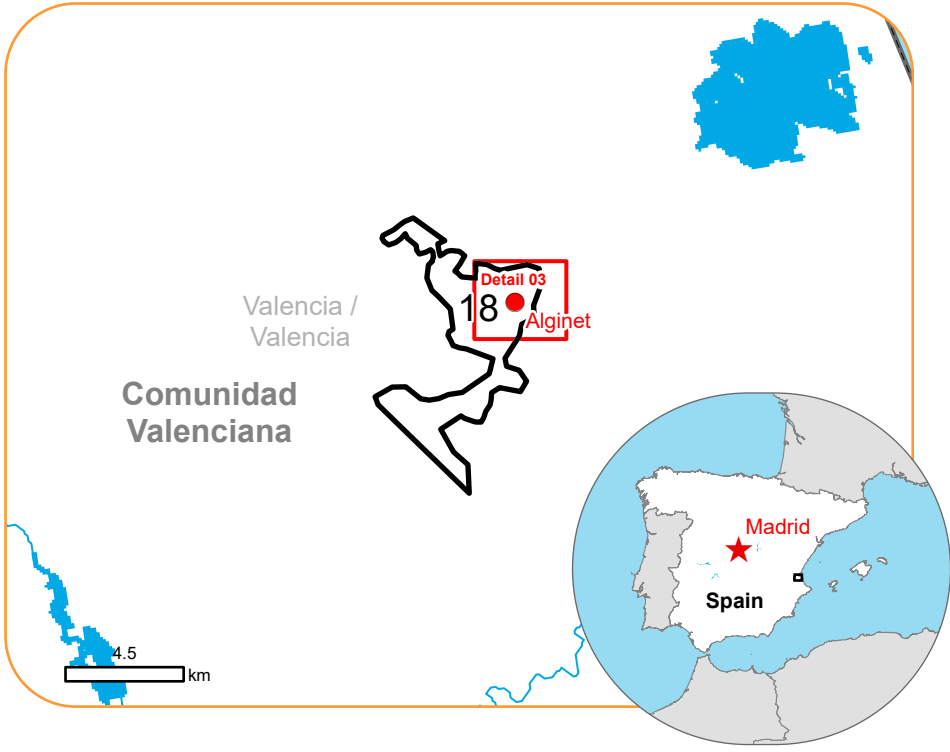
Event: On 29 October 2024 at 14:30 UTC, an extraordinary rainfall event affected the Levante region. High water levels in rivers caused flooding in Ribera Alta, Horta, La Plana de Utiel and Letur river. On 31 October 2024, extraordinary precipitation caused flooding in the Castellon Province area. Copernicus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

Data sources and analysis: Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 25/08/2023, resolution 0.6 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°)



Situation as of 31/10/2024 10:22 UTC
Grading - Detail map 03



- | Facilities Grading | General Information |
|-------------------------------|---------------------|
| Possibly damaged | Area of Interest |
| Highway, No visible damage | Not Analysed |
| Local road, No visible damage | Municipality |
| Track, No visible damage | Placenames |
| Subway, No visible damage | Placename |

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 25/08/2023, resolution 0.6 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>

Consequences within the AOI							
	Unit of measurement		Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Flooded area	ha						62.0
Estimated population	Number of inhabitants					~ 200	~ 23,000
Built-up	Residential Buildings	No.	0	3	434	437	438
	Office buildings	No.	0	0	0	0	1
	Institutional	No.	0	0	0	0	1
	Wholesale and retail trade buildings	No.	0	0	1	1	3
	Industrial buildings	No.	0	0	2	2	22
	Museums and libraries	No.	0	0	0	0	1
	Non-residential farm buildings	No.	6	0	2	8	27
	Buildings used as places of worship and for religious activities	No.	0	0	1	1	3
	Unclassified	No.	0	0	0	0	92
Transportation	Highways	km	0	0	1.5	1.5	14.3
	Primary Road	km	0	0	0	0	3.7
	Secondary Road	km	0	0	0	0	2.2
	Local Road	km	0	4.8	3.4	8.2	144.6
	Cart Track	km	0	6.2	3.0	9.2	50.6
	No Driveway	km	0	1.6	0.3	2.0	2.0
	Subway	km	0	0.3	0	0.3	6.4
Facilities	Settling Basin	ha	0	0	1.2	1.2	1.2
	Sport and recreation constructions	ha	20.3	1.2	25.3	46.8	46.8
	Not Applicable	ha	0	0	0.2	0.2	0.2
	Long-distance pipelines, communication and electricity lines	km	0	0	0	0	6.3
	Dams	km	0	0	0	0	0.1
Land use	Shrub and/or herbaceous vegetation association	ha				46.6	300.2
	Open spaces with little or no vegetation	ha				8.0	8.5
	Other	ha				6.4	704.0
	Permanent crops	ha				1.0	945.4
	Arable land	ha				0	1.0
	Heterogeneous agricultural areas	ha				0	177.5
* 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>

© European Union / Copernicus Emergency Management Service

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



PROGRAMME OF THE
EUROPEAN UNION

