



EMSR861 - AOI02
Storm Kristin and Flooding in Central
Portugal and Andalusia Spain
GRANADA

Situation as of 06/02/2026 18:14 UTC
Delineation MONIT02 - Overview map 01



Flooded area
EO-based 1,145.7 ha
Model-based 2,495.4 ha



Potentially affected
population
~ 1,100

Potentially Affected Built-up and Transportations



Water infrastructure
0.2 km
2.5 ha



Road
105.4 km



Airport
0.7 ha

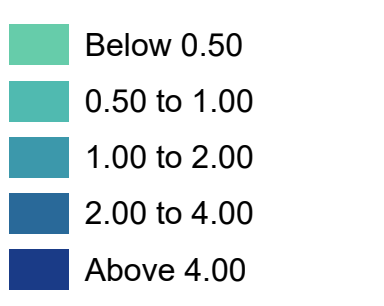


Railway
0.5 km

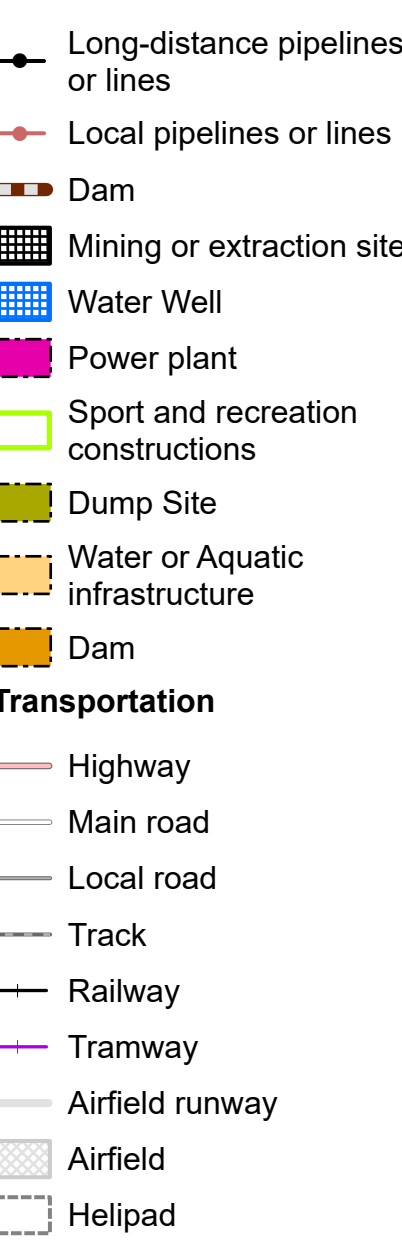


Built-Up
77.1 ha

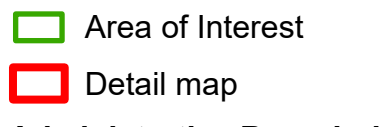
Estimated flood depth (m)



Facilities



General Information



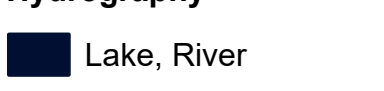
Administrative Boundaries



Built-Up Area



Hydrography



Event On 26 January 2026 at 18:00, a river overflow is forecast to affect the Guadalquivir river basin in the provinces of Granada, Jaén and Córdoba (Andalusia, Spain). The event is forecast and increasing; the main rain front has already passed, but more rainfall is expected over the next 48 hours, which is expected to maintain and increase river water levels, with flooding affecting buildings and infrastructure in the floodplains, including urban areas. Copernicus EMS Rapid Mapping is requested to provide emergency maps of the extent of the flooding for further analysis and to improve understanding of the basin's response.

Data sources and analysis: Pre-event image: Sentinel-2 (2026) (acquired on 12/01/2026 at 11:04 UTC, resolution 10 m).
Post-event image: PAZ satellite image © Hisdesat Servicios Estratégicos S.A., 2021 (acquired on 06/02/2026 at 18:14 UTC, resolution 8 m).
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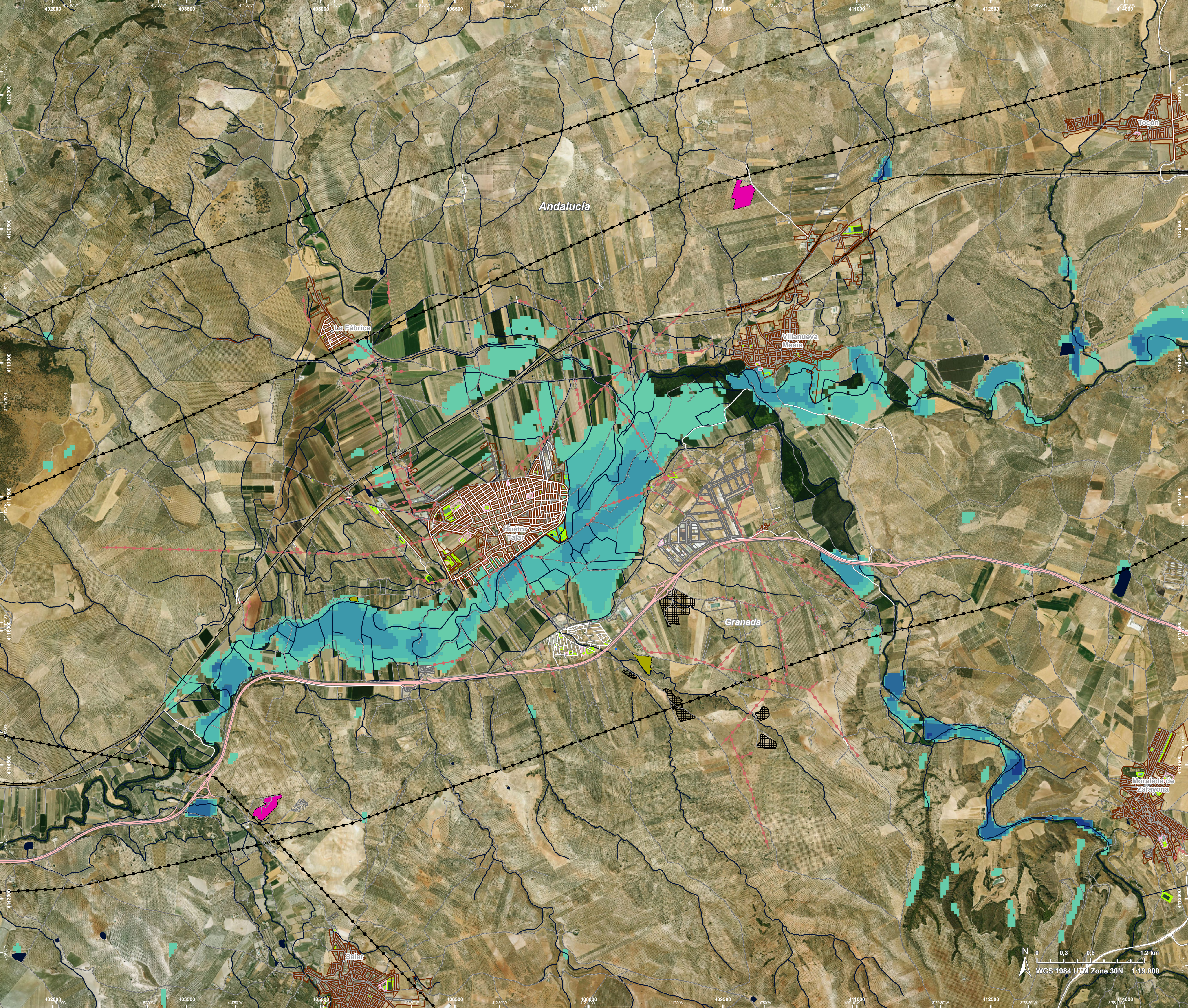
The thematic layer has been derived from post-event satellite image using a semi-automatic approach. Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

The flooded area corresponds to the water observed in the most recent satellite imagery, excluding the permanent water.
An extrapolated flood extent is generated by integrating observed flood areas with a Digital Terrain Model (DTM). The model's accuracy and spatial coverage depend on DTM resolution and quality, enabling the prediction of potentially flooded areas in regions with limited visibility in imagery, such as urban and forested zones.

Map produced by ITHACA released by e-GEOS on the 07/02/2026.

Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR861>





- Estimated flood depth (m)**
- Below 0.50
 - 0.50 to 1.00
 - 1.00 to 2.00
 - 2.00 to 4.00
 - Above 4.00
- Built-Up Area**
- Residential
 - Non residential
 - School, university and research buildings
- Hydrography**
- Lake, River
- Facilities**
- Long-distance pipelines or lines
- Local pipelines or lines**
- Mining or extraction site
 - Water Well
 - Power plant
 - Sport and recreation constructions
 - Dump Site
 - Dam
- Transportation**
- Highway
 - Main road
 - Local road
 - Track
 - Railway
 - Helipad

Event: On 26 January 2026 at 18:00, a river overflow is forecast to affect the Guadalquivir river basin in the provinces of Granada, Jaén and Córdoba (Andalusia, Spain). The event is forecast and increasing; the main rain front has already passed, but more rainfall is expected over the next 48 hours, which is expected to maintain and increase river water levels, with flooding affecting buildings and infrastructure in the floodplains, including urban areas. Copernicus EMS Rapid Mapping is requested to provide emergency maps of the extent of the flooding for further analysis and to improve understanding of the basin's response.

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Delineation MONIT02 - Detail map 03



Estimated flood depth (m)	Facilities
Below 0.50	Mining or extraction site
0.50 to 1.00	Water Well
1.00 to 2.00	Power plant
2.00 to 4.00	Sport and recreation constructions
Built-Up Area	Transportation
Residential	Highway
Non residential	Main road
School, university and research buildings	Local road
Hydrography	Track
Lake, River	Railway
Facilities	Airfield runway
Long-distance pipelines or lines	Transportation
Local pipelines or lines	Airfield

Event: On 26 January 2026 at 18:00, a river overflow is forecast to affect the Guadalquivir river basin in the provinces of Granada, Jaén and Córdoba (Andalusia, Spain). The event is forecast and increasing; the main rain front has already passed, but more rainfall is expected over the next 48 hours, which is expected to maintain and increase river water levels, with flooding affecting buildings and infrastructure in the floodplains, including urban areas. Copernicus EMS Rapid Mapping is requested to provide emergency maps of the extent of the flooding for further analysis and to improve understanding of the basin's response.

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Delineation MONIT02 - Detail map 04



Estimated flood depth (m)	Facilities
Below 0.50	Power plant
0.50 to 1.00	Sport and recreation constructions
1.00 to 2.00	Water or Aquatic infrastructure
2.00 to 4.00	Dam
Above 4.00	
Built-Up Area	Transportation
Residential	Highway
Non residential	Main road
School, university and research buildings	Local road
Hydrography	Track
Lake, River	Railway
Facilities	Airfield runway
Long-distance pipelines or lines	Airfield
Local pipelines or lines	Helipad

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Estimated flood depth (m)	Facilities
<div></div> Below 0.50	<div></div> Long-distance pipelines or lines
<div></div> 0.50 to 1.00	<div></div> Facilities
<div></div> 1.00 to 2.00	<div></div> Power plant
<div></div> 2.00 to 4.00	<div></div> Sport and recreation constructions
<div></div> Above 4.00	<div></div> Dump Site
<div></div> Built-Up Area	<div></div> Transportation
<div></div> Residential	<div></div> Main road
<div></div> Non residential	<div></div> Local road
<div></div> School, university and research buildings	<div></div> Track
<div></div> Hydrography	
<div></div> Lake, River	

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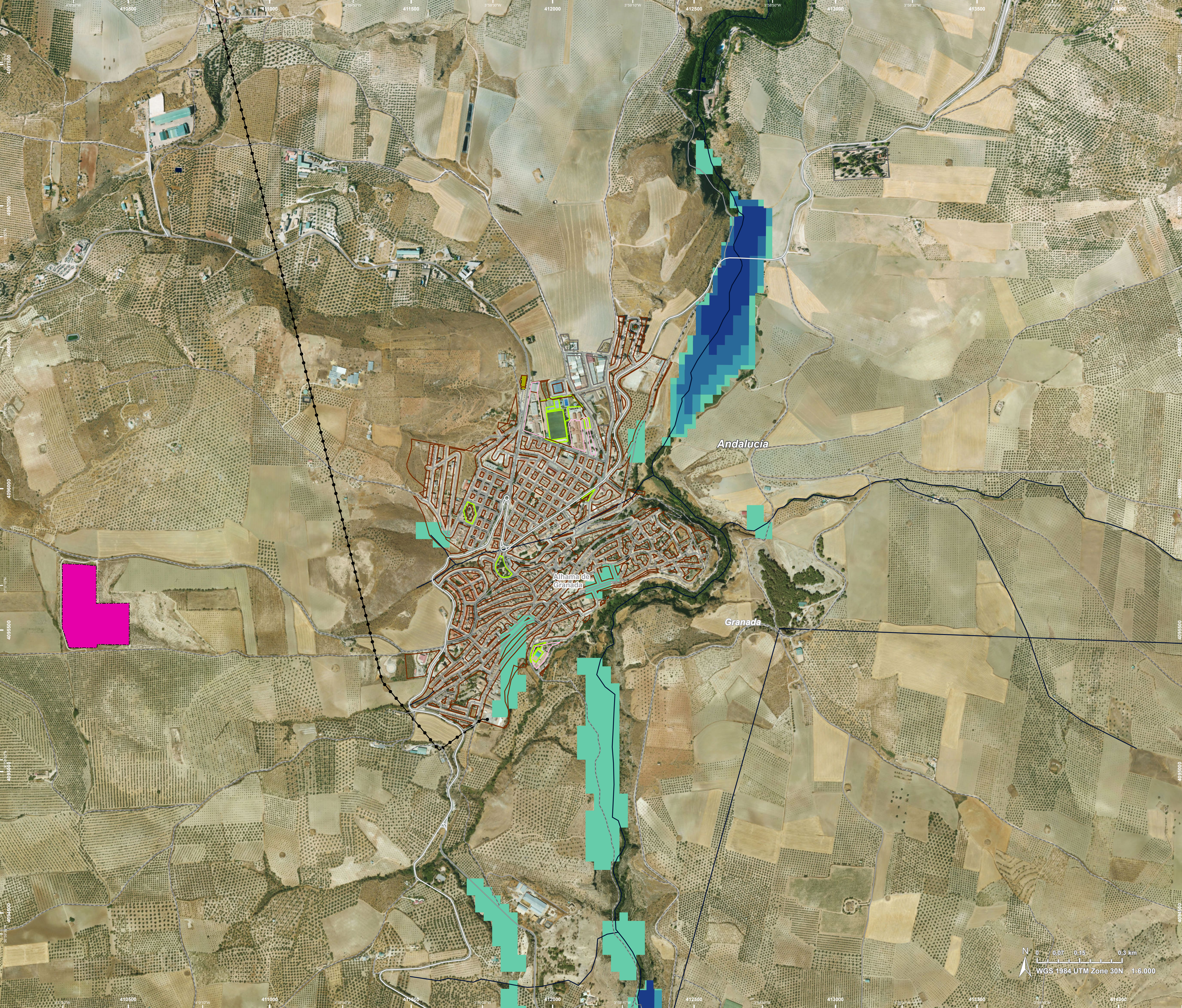
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Consequences within the AOI

			Unit of measurement	LATEST IMPACT				
				Imagery-based observation*	Model-based output	Imagery- and Model-based results		
Crisis information	Flooded area		ha	1,145.7	2,495.4	3,641.1		
	Maximum of all extents**		ha	1,145.7	2,495.4	3,641.1		
				POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total in AOI	
Estimated population		Inhabitants	No.	~ 250	~ 850	~ 1,100	~ 550,000	
Assets	Built-up	Residential Buildings	ha	9.9	24.7	34.6	7,578.1	
		Office buildings	ha	0	0	0	51.8	
		Wholesale and retail trade buildings	ha	0	0.02	0.02	17.4	
		Industrial buildings	ha	2.6	4.8	7.4	3,025.5	
		Museums and libraries	ha	0	0	0	51.1	
		School, university and research buildings	ha	0.3	0.3	0.7	206.4	
		Sports halls	ha	2.6	31.3	33.9	186.0	
		Hospital or institutional care buildings	ha	0	0	0	13.4	
		Military	ha	0	0	0	341.1	
		Cemetery	ha	0.04	0.5	0.5	45.6	
		Transportation	Airfield runways	ha	0	0.7	0.7	1,000.6
Helipad	ha			0	0.1	0.1	1.3	
Airfield runways	km			0	0	0	13.6	
Highways	km			0.2	4.5	4.7	494.0	
Primary Road	km			0.7	4.1	4.8	219.6	
Secondary Road	km			0.5	0.6	1.1	312.2	
Local Road	km			6.5	20.9	27.4	3,726.8	
Cart Track	km			20.1	47.3	67.4	3,899.0	
Tramway	km			0	0	0	0.02	
Long-distance railways	km			0.3	0.2	0.5	186.8	
Facilities	Settling Basin			ha	0.04	0.01	0.05	23.5
		Dams	ha	0.3	2.2	2.5	4.9	
		Constructions for mining or extraction	ha	4.0	9.9	13.9	681.4	
		Power plant constructions	ha	31.1	34.5	65.6	448.3	
		Sport and recreation constructions	ha	1.9	6.2	8.1	730.1	
		Other civil engineering works not elsewhere classified	ha	0.3	0.1	0.4	49.5	
		Long-distance pipelines, communication and electricity lines	km	0.5	3.1	3.6	541.6	
		Local pipelines and cables	km	2.8	3.7	6.5	234.0	
			km	0.1	0.1	0.2	0.4	
		Land use	Arable land	ha	456.5	810.3	1,268.9	47,593.8
				Other	ha	438.4	769.7	1,208.1
Forests	ha			86.9	271.3	358.2	11,684.9	
Shrub and/or herbaceous vegetation association	ha			76.2	227.7	303.9	20,544.6	
Permanent crops	ha			71.7	356.4	428.1	124,688.3	
Heterogeneous agricultural areas	ha			13.0	58.0	71.0	12,084.7	
Open spaces with little or no vegetation	ha			0.9	2.1	3.0	508.0	
Pastures	ha			0	0.1	0.1	341.1	

* Corresponds to the water observed in the most recent satellite imagery, excluding permanent water
** Corresponds to the geographic union (and NOT the sum) of all Crisis Information extents.

Disclaimer:
Full disclaimer and other helpful information available in the online manual:
<https://mapping.emergency.copernicus.eu/about/rapid-mapping-manual/>
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Data Access:
All data displayed on the map(s), as well as Land Use - Land Cover layer(s), 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 (2026); Wikimapia.org; GeoNames 2015;
© EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2024.
Corine Land Cover (CLC) 2018.
Globe Land 30 (2010), Copernicus Global Land Service: Land Cover (2019).

Inset Maps: Natural Earth 2023; HydroLAKES 2016 by HydroSHEDS;
© EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2024.

Digital Elevation Model:
FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30
Digital Elevation Model (DEM) (Airbus, 2020).

