

Flooded area
EO-based 327.7 ha
Model-based 709.6 ha

Potentially affected population
~ 60

Potentially Affected Built-up and Transportations

Water infrastructure
0.2 ha

Road
3.1 km

Built-Up
0.5 ha

- 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
- General Information**
- Area of Interest
 - Detail map
- Administrative Boundaries**
- Province
- Hydrography**
- Lake, River
- Facilities**
- Long-distance pipelines or lines
 - Local pipelines or lines
 - Dam
- Mining or extraction site
 - Water Well
 - Power plant
 - Sport and recreation constructions
 - Dump Site
 - Water or Aquatic infrastructure
 - Dam
- Transportation**
- Highway
 - Main road
 - Local road
 - Track
 - Railway
 - Tramway
 - Airfield runway
 - Airfield
 - Helipad

Event: On 26 January 2026 at 18:00, Storm Kristin is reported to have affected central Portugal (Coimbra, Castelo Branco and Peniche) and a river overflow is forecast to affect the Guadalquivir River Basin in the provinces of Granada, Jaén and Córdoba (Andalusia, Spain). The event is on-going and spreading, with storm-related damage reported to affect buildings, infrastructure, transport networks and utilities in central Portugal, and flooding expected to affect buildings and infrastructure in the Guadalquivir floodplains, including urban areas, in Andalusia. Copernicus EMS Rapid Mapping is requested to provide storm and flood extent and damage assessment emergency mapping for subsequent analyses, and to improve understanding of the Guadalquivir basin's response to this type of event.

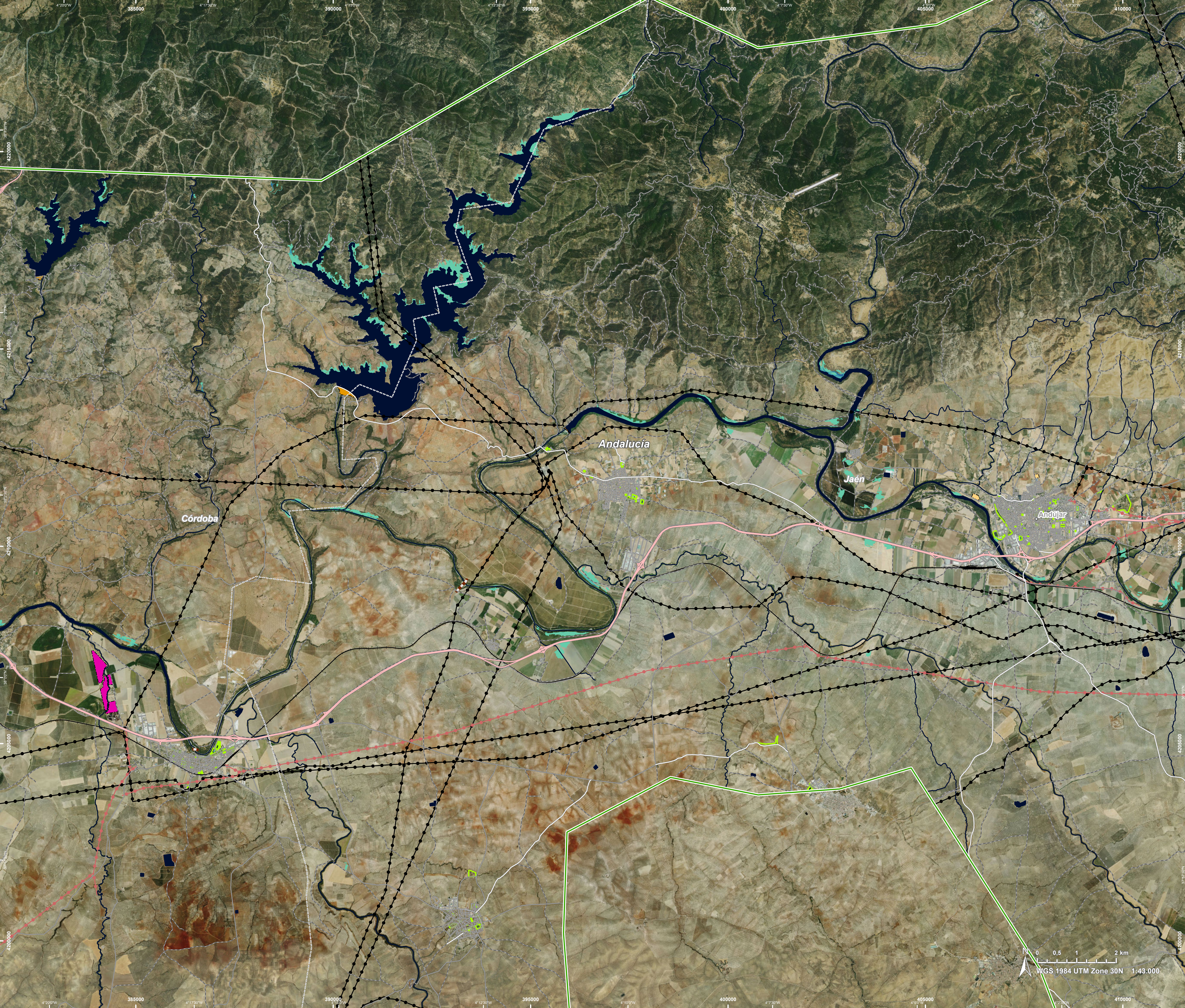
Data sources and analysis: Pre-event image: Sentinel-2A/B (2025) (acquired on 09/08/2021 at 09:19 UTC, resolution 10.0 m). Post-event image: ICEYE (2026), (acquired on 08/02/2026 at 09:38 UTC, resolution 10.0 m). All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

The thematic layer has been derived from post-event satellite image using a semi-automatic approach OR by means of visual interpretation (NOTE: add here comments in case of limitations of the applied methodology and/or data used, indication of any issue encountered, e.g. Due to dense smoke, the burnt area delineation is not complete.). 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 09/02/2026.

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



EMSR861 - AOI03
Storm Kristin and Flooding in Central Portugal,
Galicia and Andalusia, Spain
MENGIBAR

Situation as of 08/02/2026 09:38 UTC
Delineation MONIT02 - Detail map 02



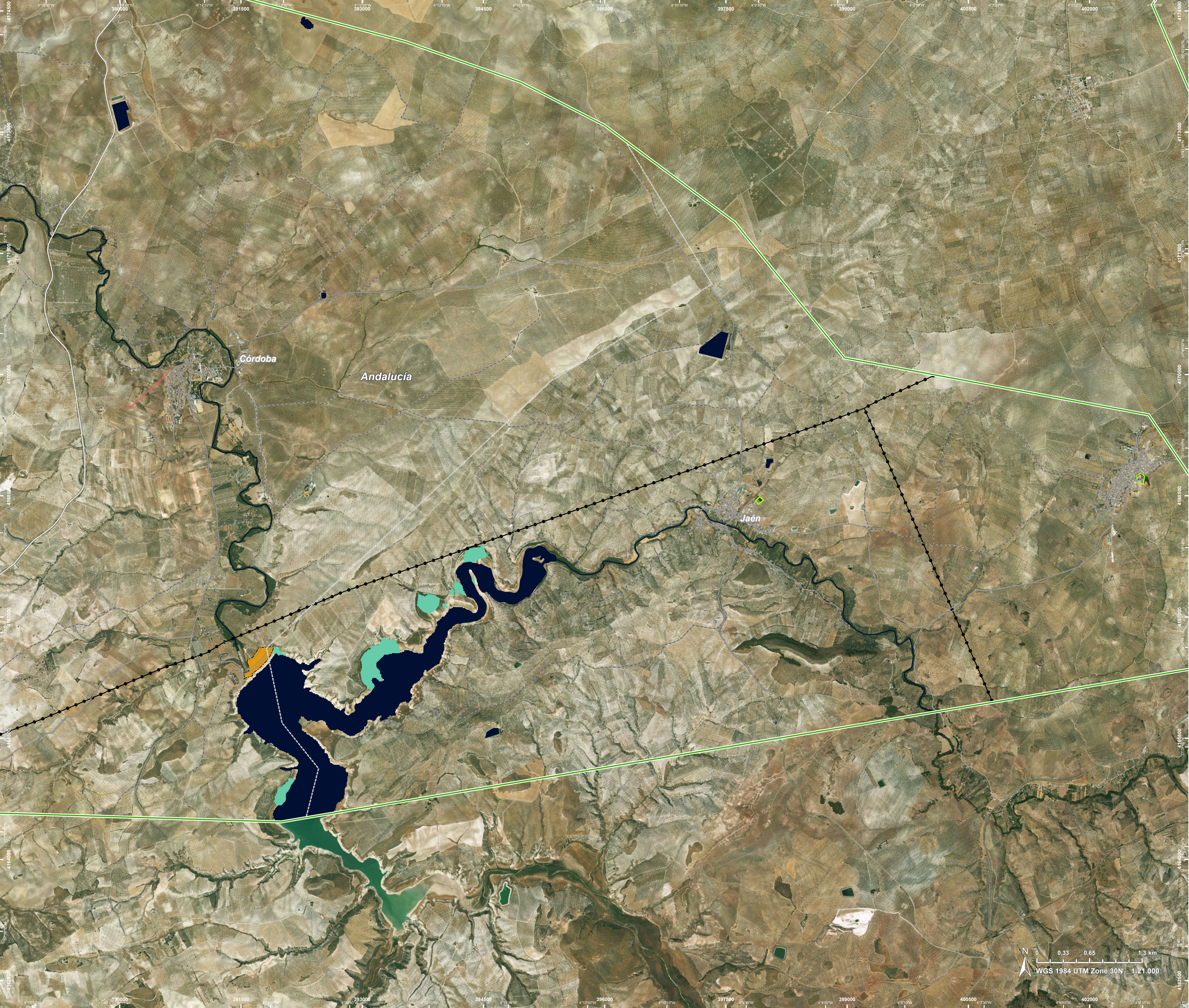
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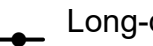
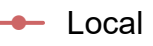

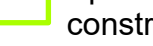






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- | Estimated flood depth (m) | Facilities |
|--|--|
|  Below 0.50 |  Long-distance pipelines or lines |
| General Information |  Local pipelines or lines |
|  Area of Interest |  Sport and recreation constructions |
| Administrative Boundaries |  Dam |
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Map produced by ITHACA released by e-GEOS on the 09/02/2026.

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

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	327.7	709.6	1,037.3
	Maximum of all extents**		ha	327.7	709.6	1,037.3

				POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total in AOI
Estimated population		Inhabitants	No.	~ 30	~ 30	~ 60	~ 460,000
Assets	Built-up	Residential Buildings	ha	0.04	0.01	0.05	3,424.1
		Office buildings	ha	0	0	0	97.8
		Wholesale and retail trade buildings	ha	0	0	0	9.2
		Industrial buildings	ha	0.2	0.3	0.5	1,718.1
		School, university and research buildings	ha	0	0	0	147.9
		Hospital or institutional care buildings	ha	0	0	0	14.2
		Military	ha	0	0	0	118.8
		Cemetery	ha	0	0	0	49.5
	Transportation	Airfield runways	ha	0	0	0	5.5
		Helipad	ha	0	0	0	7.8
		Airfield runways	km	0	0	0	3.1
		Highways	km	0.2	0.1	0.3	774.3
		Primary Road	km	0	0	0	299.8
		Secondary Road	km	0	0	0	280.1
		Local Road	km	0.4	0.2	0.5	3,368.1
		Cart Track	km	1.1	1.2	2.3	5,123.2
		Tramway	km	0	0	0	10.0
		Long-distance railways	km	0	0	0	372.7
	Facilities	Settling Basin	ha	0	0.2	0.2	32.5
		Dams	ha	0	0.04	0.04	24.5
		Constructions for mining or extraction	ha	0	0	0	315.7
		Power plant constructions	ha	0	0	0	199.6
		Sport and recreation constructions	ha	0	0.1	0.1	585.3
		Other civil engineering works not elsewhere classified	ha	0	0	0	33.4
		Long-distance pipelines, communication and electricity lines	km	0.5	1.0	1.5	1,106.0
		Local pipelines and cables	km	0.03	0.03	0.1	142.9
		Dams	km	0	0	0	1.1
			Land use	Other	ha	181.2	578.9
Shrub and/or herbaceous vegetation association	ha			42.6	19.3	61.9	42,561.3
Permanent crops	ha			41.0	33.5	74.5	316,338.9
Arable land	ha			33.6	56.4	90.0	41,488.9
Forests	ha			15.2	13.5	28.7	17,212.6
Heterogeneous agricultural areas	ha			12.4	4.1	16.5	25,168.4
Pastures	ha			1.8	3.9	5.7	1,146.8
Open spaces with little or no vegetation	ha			0	0	0	1,314.1

* 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.

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).

Access to the portal

