



EMSR861 - AOI32
Storm Kristin and Flooding in Central Portugal,
Galicia and Andalusia, Spain
CADIZ

Situation as of 08/02/2026 18:26 UTC
Delineation - Overview map 01



Flooded area
EO-based 135.4 ha
Model-based 89.0 ha



Potentially affected
population
~ 60

Potentially Affected Built-up and Transportations



Built-Up
4.6 ha



Road
1.6 km

Estimated flood depth (m)

- Below 0.50
- 0.50 to 1.00
- 1.00 to 2.00

General Information

Area of Interest

Detail map

Built-Up Area

Residential

Non residential

School, university and
research buildings

Hospital or institutional
care buildings

Military

Hydrography

Lake, River

Facilities

Long-distance pipelines
or lines

Local pipelines or lines

Water or Aquatic
infrastructure

Mining or extraction site

Sport and recreation
constructions

Water or Aquatic
infrastructure

Dam

Transportation

Highway

Main road

Local road

Track

Railway

Tramway

Airfield runway

Navigable canal

Heliport

Helipad

Harbour

Water or Aquatic
infrastructure

Event: On 26 January 2026 at 18:00, Storm Kristin is reported to have affected central Portugal (Coimbra Region, Leiria Region, Médio Tejo and Beira Baixa sub-regions) 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-2 (2026) (acquired on 10/01/2026 at 11:13 UTC, resolution 10 m).
This image is used as background image.
Post-event image: Sentinel-1 (2026) (acquired on 08/02/2026 at 18:26 UTC, resolution 20 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 GAF AG released by e-GEOS on the 06/03/2026.

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



PROGRAMME OF THE
EUROPEAN UNION





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Situation as of 08/02/2026 18:26 UTC
Delineation - Detail map 02



Estimated flood depth (m)

- Below 0.50
- 0.50 to 1.00
- 1.00 to 2.00

General Information

- Area of Interest

Built-Up Area

- Residential
- Non residential
- School, university and research buildings
- Hospital or institutional care buildings
- Military

Hydrography

- Lake, River

Facilities

- Long-distance pipelines or lines
- Local pipelines or lines
- Water or Aquatic infrastructure
- Sport and recreation constructions
- Water or Aquatic infrastructure
- Transportation
 - Highway
 - Main road
 - Local road
 - Track
 - Railway
 - Tramway
 - Airfield runway
 - Navigable canal
 - Heliport
 - Helipad
 - Harbour
 - Water or Aquatic infrastructure

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Consequences within the AOI

			LATEST IMPACT			
			Unit of measurement	Imagery-based observation*	Model-based output	Imagery- and Model-based results
Crisis information	Flooded area		ha	135,4	89,0	224,4
	Maximum of all extents**		ha	135,4	89,0	224,4

				POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total in AOI
				~ 20	~ 40	~ 60	~ 300.000
Estimated population		Inhabitants	No.				
Assets	Built-up	Residential Buildings	ha	0	0,01	0,01	3.205,8
		Office buildings	ha	0	0	0	8,4
		Wholesale and retail trade buildings	ha	0	0	0	20,1
		Industrial buildings	ha	0	0	0	264,0
		School, university and research buildings	ha	0	0	0	52,8
		Hospital or institutional care buildings	ha	0	0	0	1,1
		Military	ha	0,2	4,4	4,6	347,9
		Cemetery	ha	0	0	0	7,3
		Navigation canals	ha	0	0	0	2,8
		Helipad	ha	0	0	0	6,7
	Transportation	Harbours	ha	0	0	0	0,4
		Airfield runways	km	0	0	0	5,2
		Navigation canals	km	0	0	0	0,3
		Highways	km	0	0	0	3,6
		Primary Road	km	0	0	0	123,4
		Secondary Road	km	0	0	0	34,2
		Local Road	km	0	0	0	49,2
		Cart Track	km	0,4	0,1	0,4	1.501,9
		Railway Yard	km	0,1	1,1	1,2	660,0
		Tramway	km	0	0	0	1,8
		Harbours	km	0	0	0	11,3
		Long-distance railways	km	0	0	0	1,6
		Settling Basin	ha	0	0	0	55,5
		Breakwater	ha	0	0	0	10,4
		Dams	ha	0	0	0	7,7
	Facilities	Constructions for mining or extraction	ha	0	0	0	0,2
		Sport and recreation constructions	ha	0	0	0	23,8
		Long-distance pipelines, communication and electricity lines	ha	0	0	0	619,7
		Local pipelines and cables	km	0,02	0,1	0,2	57,3
		Breakwater	km	0	0,1	0,1	16,9
		Coastal wetlands	km	0	0,02	0,02	5,3
		Other	ha	118,6	77,5	196,1	5.118,6
	Land use	Pastures	ha	15,7	10,8	26,5	13.988,6
		Arable land	ha	1,2	0,3	1,4	2.891,2
		Permanent crops	ha	0	0	0	11.558,6
		Heterogeneous agricultural areas	ha	0	0	0	87,8
		Forests	ha	0	0	0	2.598,4
		Shrub and/or herbaceous vegetation association	ha	0	0	0	3.567,5
		Open spaces with little or no vegetation	ha	0	0,4	0,4	3.024,7
		Inland wetlands	ha	0	0,03	0,03	522,6
			ha	0	0	0	44,5
			ha	0	0	0	

* 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:
Spain National DTM, CC-BY 4.0 scne.es 2008-2015

Access to the portal

