



EMSR861 - AOI13
Storm Kristin and Flooding in Central
Portugal, Galicia and Andalusia, Spain
LA LINEA DE LA CONCEPCION

Situation as of 06/02/2026 18:12 UTC
Delineation MONIT04 - Overview map 01



Flooded area
EO-based 314.7 ha
Model-based 478.3 ha

Potentially affected population
~ 470

Potentially Affected Built-up and Transportations

Road
21.3 km

Built-Up
14.1 ha

Railway
0.03 km

Estimated flood depth (m)	Facilities
Below 0.50	Water or Aquatic infrastructure
0.50 to 1.00	Dam
1.00 to 2.00	Mining or extraction site
2.00 to 4.00	Water Well
Above 4.00	Power plant
Area of Interest	Sport and recreation constructions
Province	Dump Site
Built-Up Area	Water or Aquatic infrastructure
Residential	Dam
Non residential	Transportation
School, university and research buildings	Highway
Hospital or institutional care buildings	Main road
Military	Local road
Hydrography	Track
Lake, River	Railway
	Airfield runway
	Helipad

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-2A/B (2026) (acquired on 17/01/2026 at 11:03 UTC, resolution 10.0 m).
Post-event image: RADARSAT 2 Data and products © MacDonald, Dettwiler and Associates Ltd. (2026) (acquired on 06/02/2026 at 18:12 UTC, resolution 12.5 m) – RADARSAT is an official mark of the Canadian Space Agency.
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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 Planetek Hellas released by e-GEOS on the 08/02/2026.

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	314.7	478.3	793.0
	Maximum of all extents**		ha	314.7	478.3	793.0

				POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total in AOI
Estimated population		Inhabitants	No.	~ 70	~ 400	~ 470	~ 140,000
Assets	Built-up	Residential Buildings	ha	0.3	12.7	13.0	1,648.8
		Office buildings	ha	0	0	0	23.8
		Wholesale and retail trade buildings	ha	0	0	0	3.3
		Industrial buildings	ha	0	0.7	0.7	708.5
		School, university and research buildings	ha	0	0	0	40.4
		Hospital or institutional care buildings	ha	0	0	0	2.8
		Military	ha	0	0.3	0.3	205.5
		Cemetery	ha	0	0	0	3.0
	Transportation	Helipad	ha	0	0	0	0.4
		Airfield runways	km	0	0	0	0.4
		Highways	km	0	0.3	0.3	140.0
		Primary Road	km	2.9	1.4	4.2	87.9
		Secondary Road	km	0.3	0.3	0.6	142.4
		Local Road	km	2.7	10.0	12.7	1,103.9
		Cart Track	km	0.5	3.0	3.5	619.4
		Long-distance railways	km	0	0.03	0.03	73.0
	Facilities	Settling Basin	ha	0	0	0	12.6
		Breakwater	ha	0	0	0	3.1
		Dams	ha	0	0.1	0.1	0.9
		Constructions for mining or extraction	ha	0	0	0	87.4
		Power plant constructions	ha	0	0	0	130.2
		Sport and recreation constructions	ha	43.0	41.2	84.2	586.7
		Other civil engineering works not elsewhere classified	ha	0	0	0	57.7
		Long-distance pipelines, communication and electricity lines	km	0.9	2.4	3.4	337.8
		Local pipelines and cables	km	0	0.1	0.1	28.8
		Breakwater	km	0	1.0	1.0	7.0
		Dams	km	0	0	0	0.4
	Land use	Arable land	ha	156.4	118.9	275.3	7,383.0
		Other	ha	98.9	135.2	234.1	8,692.8
		Permanent crops	ha	35.9	60.0	95.8	3,208.5
		Pastures	ha	12.1	63.4	75.5	9,934.8
		Shrub and/or herbaceous vegetation association	ha	7.8	31.0	38.9	11,114.0
		Heterogeneous agricultural areas	ha	3.2	3.0	6.2	2,815.3
		Forests	ha	0.4	26.0	26.4	10,425.1
		Open spaces with little or no vegetation	ha	0	0	0	152.6
		Coastal wetlands	ha	0	40.7	40.7	102.5

* 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;

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Digital Elevation Model:

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



Access to the portal

