



EMSR861 - AOI20  
Storm Kristin and Flooding in Central Portugal,  
Galicia and Andalusia, Spain  
AREEIRAS DE LIMIA

**Situation as of 09/02/2026 18:27 UTC**  
Delineation MONIT01 - Overview map 01



Flooded area  
EO-based 880.3 ha  
Model-based 544.1 ha



Potentially affected  
population  
~ 70

Potentially Affected Built-up and Transportations



Built-Up  
1.7 ha



Road  
40.6 km

**Estimated flood depth (m)**

- Below 0.50
- 0.50 to 1.00

**General Information**

- Area of Interest

**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
- Sport and recreation constructions
- Transportation
- Airfield

**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: ESRI World Imagery © DigitalGlobe (acquired on 24/03/2024, resolution 0.9 m). Post-event image: RADARSAT 2 Data and products © MacDonald, Dettwiler and Associates Ltd. (2026) (acquired on 09/02/2026 at 18:27 UTC, resolution 25.0 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. 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 e-GEOS released by e-GEOS on the 10/02/2026.

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



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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	880,3	544,2	1.424,5
	Maximum of all extents**		ha	880,3	544,2	1.424,5

				POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total in AOI
Estimated population		Inhabitants	No.	~ 30	~ 40	~ 70	~ 1.800
Assets	Built-up	Residential Buildings	ha	0	0	0	71,1
		Industrial buildings	ha	0,3	1,4	1,7	147,4
		School, university and research buildings	ha	0	0	0	2,2
		Sports halls	ha	0	0	0	5,2
		Building block	ha	0	0	0	0,4
	Transportation	Airfield runways	ha	0	1,6	1,6	43,4
		Airfield runways	km	0	0,2	0,2	0,9
		Highways	km	0	0	0	11,5
		Primary Road	km	0	0	0	4,8
		Secondary Road	km	0	0	0	2,5
		Local Road	km	0	0,02	0,02	23,4
		Cart Track	km	5,5	35,1	40,5	345,7
	Facilities	Constructions for mining or extraction	ha	88,6	119,7	208,3	550,3
		Sport and recreation constructions	ha	0	0	0	0,5
		Long-distance pipelines, communication and electricity lines	km	2,2	0,4	2,6	5,4
		Local pipelines and cables	km	0	0	0	2,9
	Land use	Arable land	ha	812,5	392,3	1.204,8	7.221,1
		Other	ha	45,9	70,6	116,5	535,5
		Shrub and/or herbaceous vegetation association	ha	21,9	74,8	96,7	1.110,4
		Heterogeneous agricultural areas	ha	0	0,1	0,1	426,1
		Pastures	ha	0	0	0	51,3
		Forests	ha	0	6,5	6,5	184,8

\* 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

