

**EMSR861 - AOI04**  
**Storm Kristin and Flooding in Central Portugal, Galicia and Andalusia, Spain**  
**VILLACARRILLO**

**Situation as of 06/02/2026 06:03 UTC**  
Delineation MONIT02 - Overview map 01


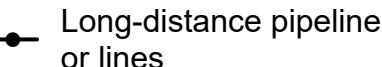

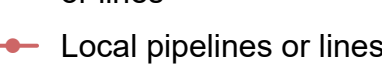


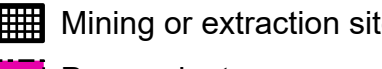

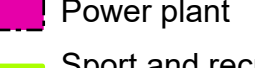

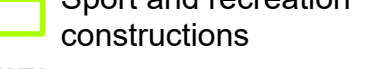

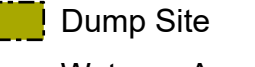

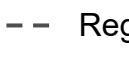


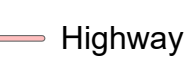
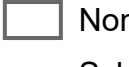
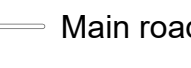
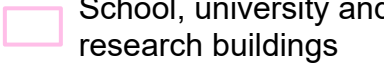
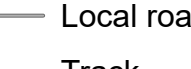
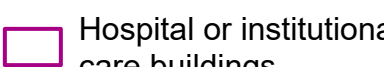
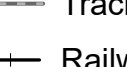



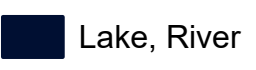
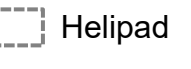



 **Flooded area**  
EO-based 65.0 ha  
Model-based 59.2 ha

 **Potentially affected population**  
~ 20

**Potentially Affected Transportations**

 **Road**  
0.8 km

Estimated flood depth (m)	Facilities
 Below 0.50	 Long-distance pipelines or lines
 0.50 to 1.00	 Local pipelines or lines
<b>General Information</b>	 Dam
 Area of Interest	 Mining or extraction site
 Detail map	 Power plant
 Image Footprint	 Sport and recreation constructions
 Not Analysed	 Dump Site
<b>Administrative Boundaries</b>	 Water or Aquatic infrastructure
 Region	 Dam
<b>Built-Up Area</b>	<b>Transportation</b>
 Residential	 Highway
 Non residential	 Main road
 School, university and research buildings	 Local road
 Hospital or institutional care buildings	 Track
 Military	 Railway
<b>Hydrography</b>	 Airfield runway
 Lake, River	 Airfield
	 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-2 (2026) (acquired on 12/01/2026 at 11:04 UTC, resolution 10.0 m).  
Post-event image: PAZ satellite image © Hisdesat Servicios Estratégicos S.A., 2026 (acquired on 06/02/2026 at 06:03 UTC, resolution 18.0 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 06/02/2026.

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





**EMSR861 - AOI04**  
**Storm Kristin and Flooding in Central Portugal,**  
**Galicia and Andalusia, Spain**  
**VILLACARRILLO**

**Situation as of 06/02/2026 06:03 UTC**  
Delineation MONIT02 - Detail map 02



- Estimated flood depth (m)**
- Below 0.50
  - 0.50 to 1.00
- Built-Up Area**
- Residential
  - Non residential
  - School, university and research buildings
  - Military
- Hydrography**
- Lake, River
- Facilities**
- Long-distance pipelines or lines
- Local pipelines or lines**
- Dam
  - Power plant
  - Sport and recreation constructions
  - Water or Aquatic infrastructure
  - Dam
- Transportation**
- Highway
  - Main road
  - Local road
  - Track
  - Railway
  - 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-2 (2026) (acquired on 12/01/2026 at 11:04 UTC, resolution 10.0 m).  
Post-event image: PAZ satellite image © Hisdesat Servicios Estratégicos S.A., 2026 (acquired on 06/02/2026 at 06:03 UTC, resolution 18.0 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 06/02/2026.

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

				LATEST IMPACT		
			Unit of measurement	Imagery-based observation*	Model-based output	Imagery- and Model-based results
Crisis information	Flooded area		ha	65,0	59,2	124,2
	Maximum of all extents**		ha	65,0	59,2	124,2

				POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total in AOI
Estimated population		Inhabitants	No.	~ 10	~ 10	~ 20,	~ 87,000
Assets	Built-up	Residential Buildings	ha	0	0	0	1,146,4
		Office buildings	ha	0	0	0	0,03
		Industrial buildings	ha	0	0	0	217,6
		School, university and research buildings	ha	0	0	0	30,9
		Hospital or institutional care buildings	ha	0	0	0	2,5
		Military	ha	0	0	0	10,6
		Cemetery	ha	0	0	0	17,4
		Transportation	Airfield runways	ha	0	0	0
Helipad	ha		0	0	0	0,4	
Airfield runways	km		0	0	0	3,3	
Highways	km		0	0	0	175,0	
Primary Road	km		0	0	0	105,6	
Secondary Road	km		0	0	0	312,8	
Local Road	km		0	0	0	1,343,1	
Cart Track	km		0,2	0,6	0,8	4,431,1	
Long-distance railways	km		0	0	0	166,3	
Facilities	Settling Basin		ha	0	0	0	3,5
	Dams	ha	0	0	0	2,3	
	Constructions for mining or extraction	ha	0	0	0	44,1	
	Power plant constructions	ha	0	0	0	47,8	
	Sport and recreation constructions	ha	0	0	0	127,0	
	Other civil engineering works not elsewhere classified	ha	0	0	0	2,7	
	Long-distance pipelines, communication and electricity lines	km	0	0	0	197,2	
	Local pipelines and cables	km	0	0	0	6,4	
	Dams	km	0	0	0	0,7	
	Land use	Permanent crops	ha	39,6	27,5	67,1	194,459,4
Arable land		ha	12,7	13,9	26,7	14,771,4	
Shrub and/or herbaceous vegetation association		ha	7,1	2,7	9,7	80,568,2	
Other		ha	4,4	12,3	16,7	6,302,5	
Heterogeneous agricultural areas		ha	1,1	2,7	3,8	21,863,4	
Pastures		ha	0	0	0	1,072,4	
Forests		ha	0	0	0	62,965,4	
Open spaces with little or no vegetation		ha	0	0	0	2,721,7	
Inland wetlands		ha	0	0,2	0,2	57,6	

\* 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/>

© European Union / Copernicus Emergency Management Service

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.

Access to 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